

Andhra Loyola College

(Autonomous)
Vijayawada

Krishna District, Andhra Pradesh

SELF STUDY REPORT FOR III CYCLE OF ACCREDITATION

**Submitted to
National Assessment and Accreditation Council
Bengaluru**

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PREFACE

Higher education in India has recorded impressive growth since Independence. Andhra Loyola College (Autonomous) Vijayawada, Andhra Pradesh, by designing programmes and implementing various strategies in academic, administrative and financial functionalities, has contributed in no small measure to the growth and development of higher education in this part of the country. This has been done in keeping with constant commitment to all the stakeholders in delivering quality education fostering towards developing a competent human resource required for the social, economic and ethical development of the nation.

Andhra Loyola College has fully realized that to survive, grow and develop in a highly competitive environment, it requires to focus on quality. Curricular innovations, state of the art infrastructure, outreach activities, teaching-learning methodologies, research and development, placement, innovative practices, student support activities and governance are some of the key areas of HEIs that serve as indicators of quality. So conscious efforts were made to sustain quality in these key areas.

Andhra Loyola College has already been assessed and accredited twice by the National Assessment and Accreditation Council (NAAC) Bengaluru and as a part of its commitment to sustenance of quality the College now volunteers for the third cycle of accreditation by NAAC.

(FR DR G A P KISHORE, SJ)

PRINCIPAL

(G. MATHEW SRIRANGAM)

STEERING COMMITTEE COORDINATOR

EXECUTIVE SUMMARY

Andhra Loyola College was established in 1954 and is managed by the Loyola College Society, Guntur-Vijayawada. The 'Jesuits', who manage the institution, are members of an international religious order of Catholic Priests and Brothers known as "the Society of Jesus". It was founded by the soldier-Saint, St. Ignatius of Loyola, with the aim of serving God and man. The Society of Jesus, otherwise known as 'the Jesuit order', carries out its mission chiefly through its educational institutions. There are more than 2000 such institutions established by the Society of Jesus throughout the world. The vision of Jesuit education is to form men and women of competence, conscience and compassionate commitment.

Andhra Loyola College is one such educational institution founded by the Society of Jesus. It takes its name from the founder of the Jesuit Order, St. Ignatius of Loyola.

The Jesuits who constitute the management of Andhra Loyola College draw their inspiration from the founder of their religious order, St. Ignatius Loyola. St. Ignatius cherished the vision of being a man of God and leading others to an understanding and service of God. He realized that ascetical practices and personal perfection alone was not enough but that men must seek their union with God by serving other men. In this way he hoped that the religious order he founded, the Society of Jesus, would realize its vision enshrined in its motto, Ad Majorem Dei Gloriam (AMDG) – “for the greater glory of God”. In keeping with this vision, the Jesuit management of Andhra Loyola College aims at forming men and women for others. The profile of the student who will pass out of the portals of this institution is portrayed in the document, "Characteristics of Jesuit Education - 2006", and the pedagogy for realizing these characteristics in practice is spelt out in the document, "The Ignatian Pedagogical Paradigm - 2000"

ORIGINS

In 1945, the idea of starting a good Catholic college in Andhra took shape in the mind of Rev. Ignatius Mummadi, Bishop of Guntur. In 1948, he went to Rome, met the Jesuit General in person and requested him to clear the proposal of starting a college in Andhra, and the clearance came from him in due course.

Fr. Karanam Francis Devaiah, who was at Madras Loyola College, was deputed to pursue the matter in Andhra. In the summer of 1952, on 31st July, he came to Guntur to explore and find a suitable location for the college. On his first visit to Vijayawada, Fr. Devaiah met Sri. Yelamanchali Satyanarayana IPS, Sri. Katragadda Raghuramaiah and several others. Because of their relentless search, a single piece of land of 100 acres was acquired in Gunadala. Now things started moving fast. "Loyola College Society" was registered at Guntur on 30th June 1953 and an application for the affiliation of the college reached the Registrar of Andhra University on 21st October 1953. On 9th December 1953, the foundation stone of the college building was laid by Sri. C. M. Trivedi, the first Governor of Andhra Pradesh, and that of the first hostel by Sri. Gogineni Venkata Subbaiah Naidu.

At last, Andhra Loyola College took shape, thanks to the generosity, large-heartedness, and vision of the people of the coastal districts of Andhra Pradesh.

ANDHRA LOYOLA COLLEGE - UNIQUE FEATURES

“Excellence - enshrined in the Jesuit Charism, 'The Magis' - Ever Greater.

Andhra Loyola College stands out from other educational institutions in Andhra Pradesh because of the following characteristics:

A: VISION AND IDENTITY

The Jesuits who manage Andhra Loyola College have a common vision and identity, as explained and offered in the landmark document of the Jesuit order - "Characteristics of Jesuit Education -2006". These characteristics are:

1. Integral and Total Formation
2. Personal Care
3. Value-Oriented
4. Faith Formation
5. Concern for Justice
6. Leadership in Service of the Poor
7. Excellence
8. Co-Responsibility
9. Ongoing Formation

B. IGNATIAN PEDAGOGICAL PARADIGM

The characteristics of Jesuit Education are realized in the classroom through an appropriate methodology called the Ignatian Pedagogical Paradigm (IPP). This helps incorporate values, principles, and guidelines, as spelt out in the characteristics, in actual classroom teaching.

The IPP is a practical approach. There are five steps involved in the Ignatian Pedagogical Paradigm:

Context Experience Reflection Action and Evaluation.

C. HOLISTIC DEVELOPMENT

Andhra Loyola College not only promotes academic excellence but also the holistic formation of the students. The co-curricular activities play an important role on the campus. From the very beginning, Loyola could boast of a number of playing fields -

football, volley ball, cricket, athletics, a gymnasium with 8 workstations, an indoor stadium with three shuttle badminton courts, and concrete basketball courts.

Apart from physical formation, Loyola also encourages active participation of students in various cultural activities. In this regard, the various departmental associations play an important role. The value formation of the students is an integral part of Jesuit education. Apart from the classes in value education and religious instruction, the very ethos of the college and role modeling of the teachers enable students imbibe the values of discipline, hard work, cooperation and team spirit, tolerance and acceptance of others and communal harmony.

Jesuit education believes that faith formation is essential to the integral formation of students. "To be rooted in one's own faith and yet remain open to other faiths" has been the hallmark of Jesuit education, which seeks to foster inter-religious understanding among staff and students.

D. COSMOPOLITAN AND SECULAR

Andhra Loyola College has been very cosmopolitan and secular in its outlook from the very beginning. Even though Loyola College is primarily meant for Catholic students, it also caters to the needs of other students irrespective of religion, caste, community or creed. The College displays a special concern for students coming from the disturbed areas of the North-East and student refugees from Tibet.

E. PREPONDERANTLY RESIDENTIAL

From the very beginning, Andhra Loyola College has been preponderantly residential. The students reside in its four hostels - Gogineni Hostel, New Hostel, Xavier Hostel and Sanjeevan Hostel. Since most of the students from rural areas wanted to benefit from the quality education offered by Andhra Loyola College, hostel facilities became a necessity to cater to their needs. The hostels help promote the academic excellence of students because the Director and the Assistant Directors of each hostel teach in the college and carefully monitor the academic progress of the students.

The hostel life is an education in itself. Without much effort, the students learn the values of discipline, punctuality and proper use of time, fellowship, tolerance,

equality, justice and all those qualities which help and prepare them to be outstanding citizens of a democratic country.

F. FOSTERING CO-RESPONSIBILITY

The administration of Andhra Loyola College is known for its meaningful democratization by means of which authority is delegated with adequate responsibility. Committees have been formed to look into the various aspects of the college administration such as planning and evaluation, finance, infrastructural facilities, and academics. The co-responsibility is also reflected in the process of joint decision-making. Heads of the Departments are taken into confidence to decide on important issues.

The Teaching and Non-teaching Staff Associations give the staff opportunity to participate in the administration by voicing their opinions with regard to policy matters and articulating their grievances.

The Students Council comprising the secretaries of various associations meets periodically to give feedback to the Principal on academic and administrative matters. Periodical feedback is obtained from the parents as well.

Thus, an on-going mechanism consisting of participative decision making, committees, associations and student council has been put in place to foster co-responsibility among the staff and students.

To make this co-responsibility a reality, both staff and students are made to share the vision and objectives of the college through various orientation programmes and seminars.

G. ROLE OF ALUMNI

The Alumni Association has played an important part in the history of Andhra Loyola College from the very beginning. The Chapters of Loyola Alumni Association are found in other parts of the State and they form a part of the All-India Jesuit Alumni Association. Through frequent get-to-gethers and meetings, they keep themselves updated about the affairs of the college. They work for the development of the college and Fr. Devaiah Memorial Auditorium, built by the generous donations of the alumni, is a fitting memorial to the founder of the alma mater. Andhra Loyola College Alumni

Association also launched the Golden Jubilee Project of starting a school for the poorest of the poor in our campus. There are 160 such children and 7 teachers to impart quality English-medium instruction and a maid to take care of the children.

H. KALADARSHINI

To promote integration between academics and culture, Kaladarshini, an institute of fine arts, was founded in 1990. It is affiliated to the Gandharva University of Fine Arts, Maharashtra. Courses in music (vocal & instrumental) are offered at the institute. Every year a week-long cultural festival is conducted in November in which nearly 150 educational institutions compete with one another in various events of fine arts. Thus, the institution promotes cultural integration into academic life.

In the year 2002, Andhra Loyola College volunteered itself for Assessment and Accreditation by NAAC and was accredited with A * * * *. Again in the year 2008, Andhra Loyola College was reaccredited with 'A' grade with a CGPA of 3.65 out of 4.00

SWOC ANALYSIS

The Internal Quality Assurance Cell (IQAC) of the College conducted a SWOC Analysis of the College. The respondents include the various stakeholders – students, parents, alumni, present faculty members and former faculty members and representatives of the Society. The IQAC of the College had series of meetings with the above stakeholders and recorded the views and statements addressing the following areas:

Strengths: What are the strengths of Andhra Loyola College does well?

Weaknesses: What are the top things that should improve?

Opportunities: What could be the opportunities for Andhra Loyola College to take advantage of in the next five years?

Challenges: What could adversely affect Andhra Loyola College?

Priorities 1: What should Andhra Loyola College address immediately?

Priorities 2: What should Andhra Loyola College preserve at all costs?

Priorities 3: What future direction or decision should Andhra Loyola College avoid at all costs?

Competitive Factors 1: What does Andhra Loyola College do better than other institutions of higher education in the area?

Competitive Factors 2: What do other institutions of higher education in the area do better than Andhra Loyola College?

The responses were analysed, synthesized and inferred by conducting deliberations with the faculty members and members of the management and the following SWOT Analysis was drafted.

Strengths: The SWOC Analysis inferred the following as the strengths of the College.

1. Its zealous commitment and renowned contribution to the cause of Higher Education for the last 61 years
1. The reputation and good will it has in public
2. Quality and commitment of the faculty
3. 98 acres of own land in the name of the Society which runs the College

4. A built-up area of 4.50 lakh sft
5. Autonomous College since 1988
6. College recognized as a College with Potential for Excellence
7. Quality of Instruction
8. Program Offerings
9. Semester System with Choice Based Credit System
10. Student Centeredness
11. Student Support Services
12. Leadership of the Management
13. Continuous Internal Assessment
14. Decentralization of Administration
15. Financial Management
16. Demonstrative, ingenuous and supportive alumni

Weaknesses: The SWOC Analysis inferred the following as the weaknesses of the College.

1. Ban on recruitment for Govt. grant-in-aid vacancies.
2. Inadequate ability and motivation of students getting enrolled for general education with the mushrooming up of engineering colleges in the State.
3. Consultancy Services
4. Amplified employability of the students
5. Patents
6. Lack of financial resources for augmentation if infrastructural facilities
7. Collaborations with industry and other premier institutes
8. Implementation of new technologies

Opportunities: The SWOC Analysis inferred the following as the opportunities for furthering the strengths of the college.

1. Introduction of 4-year Degree Programme with vocationalisation of the 4th year of study.
2. Workforce needs (capitalize on workforce demands for emerging industry programs; trained/skilled workers by existing/ incoming industries/companies)
3. Scope for increased enrolment leading to enhanced Internal Revenue Generation.
4. Technology (introduction of new technologies in teaching-learning process)

5. Dual specializations
6. Increasing the scope of the present Continuous Learning Center to promote the access to drop-outs and to enhance life-long learning of the general public.
7. Earning of extra credits in employability courses
8. Partnerships with industry

Challenges: The following factors are inferred that could adversely affect Andhra Loyola College in the future years -

1. Funding reductions
2. From curricular point of view misalignment of higher secondary education with collegiate education.
3. Student/citizen issues (poor preparation; illiteracy)
4. Competition from other higher education institutions
5. Faculty Retention
6. Prevailing capricious political situation

Priorities 1: Andhra Loyola College should immediately address the following issues

1. Increasing of programme options by introducing vocational courses to augment the employability of the students
2. To fill up the gaps in the technology usage (augmentation of digital classrooms / effective usage of education technology / strengthening of the laboratories)
3. Professional training of the faculty
4. Technical skill development programmes for the students
5. Furthering the coordination of the curriculum with employment opportunities
6. Improving interaction with the industry
7. Enhancement of research and consultancy activities

Priorities 2: Andhra Loyola College should preserve the following at all costs

1. Existing College Culture
2. Quality instruction
3. Focus on community needs
4. Mission and Values
5. Small size classes

Priorities 3: What future direction or decision should Andhra Loyola College avoid at all costs?

1. Neglecting faculty quality
2. Neglecting its own values
3. Financial issues - Wasting funding; Reducing funding
4. Missing opportunities to get diversified in Higher Education
5. Resource generation

Competitive Factors 1: What does Andhra Loyola College do better than other institutions of higher education in the area?

1. Diversified Programmes of study
2. Infrastructural facilities
3. Focusing on students learning outcomes
4. Student Support Services
5. Community Services

Competitive Factors 2: What do other institutions of higher education in the area do better than Andhra Loyola College?

1. Financial Resources

Conclusion:

SWOC analysis made us realize the importance of the immediate concerns that the College needs to address such as – Strengthening the curriculum by way of introducing more vocational component and increasing the employability of the passing out students. Improving the interaction with industry and enhancing action oriented research activities and consultancy services.

Looking into the future

POTENTIAL OF THE INSTITUTION

As is obvious from the above self-study analysis, the college with its outstanding infrastructural facilities and committed and qualified staff and effective academic leadership provided by the management, is poised for growth and development in all directions.

MASTER PLAN FOR INSTITUTIONAL GROWTH AND DEVELOPMENT

IMMEDIATE CONCERNS

The self-study analysis has made us aware that the following steps are to be taken in the near future for the betterment of the institution to make it function effectively in various aspects:

1. Curricular aspects:
 - The college should introduce every year one inter-disciplinary course, which would be vocational and terminal in nature and which would give immediate placement opportunities to students.
 - More relevant Postgraduate courses and Courses leading to Research Degrees are to be started with autonomous status .
2. Teaching-Learning and Evaluation
 - The college should move gradually towards adopting 100% internal assessment.
3. Research, Consultancy and Extension
 - Efforts are to be made to ensure that the research work undertaken by the faculty for their M.Phil and Ph.D., as well as minor research projects submitted to UGC has a social orientation.
 - Efforts should be made to formalize the consultancy available in the college so that governmental and non-governmental agencies may approach us for various consultancy assignments. We could thereby generate income for the college, apart from being of service to the society.
 - Promoting inter-disciplinary research among various Departments.
4. Infrastructure & Learning Resources
 - There is an imperative need to construct a separate administrative block with fully automated facilities for office management.
 - Wooden Courts in Indoor Stadium.
5. Student Support and Progression
 - A comprehensive and computerized database of all our present students and alumni should be built up.

CONCLUSION

Andhra Loyola College, as it stands today, has witnessed monumental growth over a period of 54 years. Where there were rice fields and marshy lands, there stands today a great monument of learning and excellence. This College with Potential for Excellence should serve the state and the nation by blossoming into a deemed university to impart value oriented education to one and all, without sacrificing its relentless quest for quality enhancement and excellence.

“Education, by its very nature is transformative process, namely changing human persons, and through them, society and its structures. This activity of transformation is a spiritual, humanizing, and liberating activity and constitutes the core mission of education. In the knowledge society that is emerging, ‘Quality Education’ serves as the gateway to the socio-cultural and economic development of persons and of the country”.

**- Catholic Bishops’ Conference of India Document on
Catholic Education. (2007)**

III. Profile of the College

1. Name and address of the College:

Name: Andhra Loyola College (Autonomous)
Address: Door No. 54-16-14, Polytechnic Post VIJAYAWADA - 520 008
City: Vijayawada State: Andhra Pradesh
Website: www.andhraloyolacollege.ac.in

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	E- Mail ID
Principal	Rev Fr.Dr.G.A.P. Kishore, SJ	O: 0866 2476082 R: 0866 2476329	9440136838	2474531	contactalc@gmail.com
Vice Principal	Rev Fr S.Melchoir SJ	O: 0866 2481907 R: 0866 2476329	8500001172	2486084	smelsj@gmail.com
Steering Committee Co-ordinator	Mr.G. Mathew Srirangam	O: 0866 2476082 R:0866 2493868	9490979796		srirangam_mathew@yahoo.com

3. Status of the Autonomous College by management.

- i. Government
- ii. Private **Private**
- iii. Constituent College of the University

4. Name of University to which the College is Affiliated **Krishna University, Machilipatnam**

- a. Date of establishment, prior to the grant of 'Autonomy' **(July 1954)**
- b. Date of grant of 'Autonomy' to the College by UGC: **(October 1987)**

6. Type of institution:

a. By Gender

i. For Men

ii. For Women

iii. Co-education

b. By shift

i. Regular

ii. Day

iii. Evening

c. Source of funding

i. Government

ii. Grant-in-aid

iii. Self-financing

iv. Any other (Please specify)

7. Is it a recognized minority institution?

Yes

Yes

No

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

Religious

8. a. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	07.12.1977	
ii. 12 (B)	07.12.1977	

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

- b. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/clause	Day, Month and Year (dd-mm-yyyy)	Validity	Programme / institution	Remarks
i. AICTE	07.04.2015	2015-16	MBA	
ii. AICTE	07.04.2015	2015-16	MCA	
iii.				
iv.				

(Enclose the Certificate of recognition/approval)

9. **Has the College been recognized**

a. By UGC as a 'College with Potential for Excellence'(CPE)?

Yes No

If yes, date of recognition : **13.09.2004**

b. For its contributions/performance by any other governmental agency?

Yes No

If yes, Name of the agency Commissionerate of Collegiate Education Govt. of AP and

Date of recognition: 24/11/2015

10. Location of the campus and area:

Location *	Gunadala, Vijayawada Urban
Campus area in sq. mts or acres	98 acres
Built up area in sq. mts.	45024.83

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.
- Auditorium/seminar complex ✓
 - Sports facilities
 - * play ground ✓
 - * swimming pool
 - * gymnasium ✓
 - Hostel
 - * Boys' hostels ✓
 - * Girls' hostels ✓
 - Residential facilities
 - * for teaching staff
 - * for non-teaching staff ✓
 - Cafeteria ✓
 - Health centre –
 - First aid facility ✓
 - Inpatient facility
 - Outpatient facility
 - ambulance facility
 - emergency care facility
 - Health centre staff –

○ Qualified doctor	Full time ✓	Part-time
○ Qualified Nurse	Full time ✓	Part-time
 - Other facilities
 - Bank ✓
 - ATM ✓
 - post office
 - book shops ✓
 - Transport facilities
 - * for students
 - * for staff
 - Power house ✓
 - Waste management facility ✓

12. Details of programmes offered by the institution: (Give data for current academic year 2015-16)

Sl . No.	Programme Level	Name of the Programme/ Course	Durat ion	Entry Qualifi cation	Mediu m of instruct ion	Sanctione d/ approved Student intake	No. of students admitted
1	UG	B.A B.Com. B.Sc. BBA	3 yrs	Inter- media te	English	80 80 60/48/30 40	960
2	PG	MCA MBA M.Sc.,	3 yrs 2 yrs 2 yrs	Degre e	English	60 60 168	190
3	Integrated Masters						
4	M.Phil.						
5	Ph.D.						
6	Integrated Ph.D.						
7	Certificate	1. Food Technology 2. C programming 3. Web designing 4. Oracle 5. Hardware maintenance/c omputer networking 6. Multimedia 7. Journalism 8. English for Competitive Exms 9. Clinical Biology 10. Quantitative Aptitude 11. TV Production 12. Analytical					

		Aptitude 13. Soft skills and Personality Development 14. Telugu Performing Folk Art Forms 15. Green House Management 16. Information Technology Application (CITA) 17. Tally Accounting Package					
8	Diploma	-					
9	PG Diploma	-					
10	Any other (please Specify)	-					

13. Does the institution offer self-financed Programmes?

Yes No

If yes, how many? **13 (Thirteen)**

14. Whether new programmes have been introduced during the last five years?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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If yes

Number	07
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15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars		Number	Number of Students
Science	Under Graduate	11	1657
	Post Graduate	07	254
	Research centre(s)	02	
Arts	Under Graduate	06	281
	Post Graduate		
	Research centre(s)		
Commerce	Under Graduate	04	562
	Post Graduate	01	110
	Research centre(s)		
Any Other (please specify)			
Languages & Ethics & Religion	Under Graduate	02	56
	Post Graduate		
	Research centre(s)		

16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details.

PG Courses are not covered under Autonomous Status.

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, M Sc, B.Com etc.)

- a. annual system
- b. semester system
- c. trimester system

18. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/multidisciplinary approach
- c. Any other (specify)

23

19. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component

Rs. 38.276

(b) excluding the salary component

Rs. 412

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education?

Yes No

If yes,

a. How many years of standing does the department have?
..... years

b. NCTE recognition details (if applicable)

Notification No.:

Date: (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes No

21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?

Yes No

If yes,

a. How many years of standing does the department have?
..... years

b. NCTE recognition details (if applicable)

Notification No.:

Date: (dd/mm/yyyy)

- c. Is the department opting for assessment and accreditation separately?
 Yes No

22. Whether the College is offering professional programme?

Yes No

If yes, please enclose approval / recognition details issued by the statutory body governing the programme. **MBA & MCA**

23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

As on 24.11.2015, out of 117 Aided Degree Colleges in the State of Andhra Pradesh, only 8 are graded with A grade based on Key Performance Indicators by the Department of Commissioner of Collegiate Education, Hyderabad. In Krishna District only Andhra Loyola College Vijayawada was awarded A grade. website address – <http://knowledgmission.ap.gov.in>

24. Number of teaching and non-teaching positions in the College

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the State Government										
AIDED										
Teaching			10	0	43	4	22	00	00	00
<i>Recruited - 57</i>										
<i>Yet to recruit - 0</i>										
Non-Teaching										
<i>Recruited - 22</i>										
<i>Yet to recruit -</i>										

Positions	Teaching faculty						Non-teaching staff		Technical staff	
Sanctioned by the Management/Society or other authorized bodies					73	54	40	12	06	00
<i>Recruited</i>										
<i>Yet to recruit</i>										

***M-Male *F-Female**

25. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			10	00	24	06	40
M.Phil.			00	00	21	09	30
PG			00	00	41	25	66
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							

PG							
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26. Number of Visiting Faculty/ Guest Faculty engaged by the College. NIL

27. Students enrolled in the College during the current academic year, with the following details:

Students	UG		PG		Integra ted Master s		M.Phil		Ph.D.		Integ rated Ph.D		D.Li tt./D. Sc.		Cert ific ate		Dip lom a		PG Dipl oma	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From the state where the College is located	147	720	79	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
From other states of India	84	20	05	00																
NRI students	--	--	--	--																
Foreign students	--	02	--	--																

Students	UG		PG		Integrated Masters		M.Phil		Ph.D.		Integrated Ph.D		D.Litt./D.Sc.		Certificate		Diploma		PG Diploma	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total	156	742	84	65																

*M-Male F-Female

28. Dropout rate in UG and PG (average for the last two batches)

UG

4%

PG

Nil

29. Number of working days during the last academic year.

2 2 4

30. Number of teaching days during the last academic year

1 8 0

31. Is the College registered as a study centre for offering distance education programmes for any University?

Yes No

If yes, provide the

Pondicherry University

a. Name of the University

b. Is it recognized by the Distance Education Council?

Yes No

c. Indicate the number of programmes offered.

One

32. Provide Teacher-student ratio for each of the programme/course offered

Sl No.	Name of the Course	Strength	Teachers	Ratio
	BA			
1	Economics .Politics & History.	60	8	
2	Eco.Tel. Hist.	60	10	
3	Eng.Lit.Pol.Hist.	60	15	
4	Eco.Stat.Maths	60	24	
5	Music, Dance	20	4	

6	Journalism	20	4	
	B.Sc			
1	Math,Phy.Stat.	180	38	
2	Phy.Math.Chem	360	45	
3	Bot.Zool.Chem.	360	22	
4	Maths.Phy. Comp.Sc.	180	40	
5	Maths.Stat.Comp.Sc	300	30	
6	Maths.Elect.Comp.Sc	150	28	
7	VisCom.Comp.Sc. &Electronics	300	19	
8	Biotech. M.Bio.Chem	90	17	
9	Elect.Technology	90	5	
10	Food Technology	90	3	
11	Visual Effects	50	3	
	B.Com			
1	General	240	11	
2	B.Com., Comp.	180	11	
3	B.Com. Professional	120	11	
	BBA	180	5	
	B.Voc			
1	Paramedical & Hosp. Administration	100	3	
2	Renewable Energy Management	100	2	

33. Is the College applying for?

Accreditation : Cycle 1 Cycle 2 Cycle 3 Cycle

Re-Assessment:

34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)
Cycle 1: **15.05.2002** Accreditation outcome/results “ **Four Star Level**”
Cycle 2: **16.09.2008** - Accreditation outcome/results: – **A Grade (3.65/4.00)**
Cycle 3: (dd/mm/yyyy) Accreditation outcome/results
* Kindly enclose copy of accreditation certificate(s) and peer team report(s)
Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation
35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)
19/08/2005
b. Dates of submission of Annual Quality Assurance Reports (AQARs).
(i) AQAR for year 2011 – 2012 on 25/08/2013
(ii) AQAR for year 2012 - 2103 on 06/01/2014
(iii) AQAR for year 2013 - 2014 on 12/08/2014
(iv) AQAR for year 2014 - 2015 on 17/02/2016

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 How are the institutional vision/mission reflected in the academic programs of the College?

Vision of the College: To impart higher education with integral formation that involves **academic excellence, spiritual growth, social commitment, and value-based leadership.**

Mission: Forming men and women for others and mould them as global citizens with **competence, conscience, and compassionate commitment** to the socially and economically marginalized sections.

The Vision and Mission of the College are reflected in all the academic programs. The Mission of the institution is “forming men and women with competence, conscience and compassionate commitment”. The College has introduced the **Choice-based Credit System (CBCS)** in the academic year **2005 – 2006**. The CBCS has equipped the College with the means to translate its goals and objectives into the academic programs of the College.

Competence: This includes both academic excellence and technical expertise.

- In order to provide technical competence to students, along with the academic programs in **B.Sc. (Bio-technology), B.Sc. (Visual Communication), and B.Sc.** programs with **Computer Science** combinations, **new programs** of study like **B.Sc. (Electronic Technology) and B.Sc. (Food Technology), B.Com (Professional), B.Com (Computers); Bachelor of Business Administration, B.A. (Animation with Visual Effects) and B.A. (Music/Dance (Classical) with Animation Design and Sound)** introduced during the period of review are with the aim of making students **technically competent**.
- **B.Sc. (Electronics Technology)** envisages hands-on training in design and testing of Solid State Luminaries.
- **B.Com (Professional)** program is designed to create enhanced competencies of career positioning through corporate employment.
- **B.Com (Computers)** is aimed at producing commerce graduates with necessary computational accounting skills.
- **B.A. (Music/Dance with Animation Design and Sound)** is multi-disciplinary in nature aiming at creating artists who are also experts in animation and sound.
- To give impetus to **Skill Development**, the College has introduced **two B.Voc.** Programs, one in **Renewable Energy Management** and the other in **Paramedical and Hospital Administration**.
- The existing academic programs are enriched so as to increase the academic excellence of students. Under the CBCS, each department offers two **Subject Electives (Special)**, with a view to enhancing the **academic excellence** of students by way of offering advanced topics in these electives. **To cite a few examples:**
 - Advanced papers such as ‘**Principles of Immunology**’ and ‘**Principles of Biochemistry**’ have been introduced as subject-based electives in the curriculum of the **Department of Zoology**.

- The **Department of Physics** offers electives on **Micro-processors and applications, General Instrumentation and Electronic Instrumentation**.
- The **Department of Microbiology** offers a **Subject Elective (Special) in Environmental and Food Micro-biology**.
- The Department of **Political Science** offers an elective on **International Relations**.
- The Department of **Statistics** offers electives in **Operations Research and SQC and Numerical Analysis**.
- To further the **technical competence** of final year students, two **Subject Electives (Skill-based)** are offered during the VI semester. Students are also required to **undertake compulsory Project Work**, relating their theoretical knowledge to practical exposure. To cite a few examples,
 - In the curriculum of the Dept. of Zoology, the **elective, “Clinical Biology”** enhances the employability of students in the area of medical lab technology. Another elective, **“Ornamental Fishery”** enhances the technical skills of students to get gainful employment in the field of ornamental fish culture – marketing of aquaria, aquaria fish, etc.
 - To enhance the technical competence of their students, the **Department of Commerce** has incorporated Project Work related to **Banking Operations, Studies on e-Seva, Transport Systems, and Tax Planning**.
 - The **Department of Chemistry** offers electives like **“Synthetic Organic Chemistry”, “Drug formulations and Pesticides”, and “Chemistry of Natural Products”**.
 - **Department of Statistics** offers an elective, **“Actuarial Science”** and **“Optimization Techniques”**.
 - To enhance the technical competence of its students, the **Department of Zoology** offers courses on **“Vermiculture”** and **“Apiculture”**. These enable students to take up a vocation in these areas.
 - The **Department of Economics** offers an elective on **“Computer Applications in Economics”** and **“International Trade”** to inculcate technical skills required for public financial institutions.
 - To enhance the technical competence of Special English students, the **Department of English** offers an elective on **“English for Competitive Examinations”**.
 - A **general elective** on **“Pharma Drug Marketing”** is being offered not only to students of Biology but to others also. This course provides the basics required for **Professional Service Representatives in Pharmaceutical Industry**.
 - Similarly, **general electives** like **Food Technology, Home Crafts and Textile Technology, Travel and Tourism, Basic Electronics and Electricals** equip students with technical skills.
 - The **Department of Telugu** offers electives on **“Journalism Genre”** and **“Literary Genre”** **“Desktop Publishing in Telugu”** to enhance the employability of students in the print media.
 - The **Department of Visual Communication** offers an elective on

“**Scriptwriting**” to enable the students to get employed in the electronic media.

- The **Department of Bio-technology** introduced a paper in **Bio-informatics and Bio-statistics** to increase the technical competency of students in the emerging field of bio-informatics.
- The papers on **Practical Auditing Financial Services, Insurance and Banking, and Computerized Financial Accounting** offered in the B.Com course are meant for enhancing the technical competencies of students of Commerce.

Conscience:

- The College lays emphasis on inculcating values in students through its **Value Education Course** taught by the Department of Ethics and Religion. It is integrated into the **Foundation Courses** under the CBCS. A pass in this course is mandatory for students to be eligible for the award of Degree.
- A course on **Contemporary India** is made compulsory for all the first-year students as part of the **Foundation Courses**. This course exposes students to the rich and varied traditions and cultures of our Country and infuses social values pertaining to the present-day society.
- Similarly, a compulsory course on “**Science Technology and Development**” is part of the Foundation Course, which instills a scientific temperament in the young minds, removing superstitions. It also enables them to remain humane and civilized citizens in the midst of rapid technological advances, which focus more on machine than on man.
- To infuse values into the student community through academic programs, special courses on “**Community and Social Medicine**” are introduced in the academic curriculum of the **Department of Zoology**. This paper sensitizes the students to **drug addiction, alcoholism, and sexually-transmitted diseases**.
- The course on **Visual Communication** not only prepares technically competent media professionals but professionals with **social conscience** by including papers on “**Human Communication and Psychological Foundation**”, “**Media Culture and Society**”, “**Media Laws**” and “**Ethics**”.

Compassionate Commitment:

- The goals of the institution are also reflected in the extension activities of the College. **ALERT – Andhra Loyola Extension for Rural Transformation** - the specifically-designated program of the College introduced with the objective of extending the classrooms into the neighborhood takes care of infusing compassionate commitment and conscience in students.
- **ALANA - Andhra Loyola Assistance for Neighborhood Advancement** - an extension service and community-based empowerment program introduced from the academic year 2012 - 2013 for our first year Degree students is part of the College Golden Jubilee initiative.
- The individual departments are also geared towards **infusing social values** into students through their academic programs. The Department of Chemistry introduced **Project Works** on **topics like analysis of milk, water, ghee, oil, etc., for their nutritive value and adulterants and pesticide residues in vegetables** etc., which infuse social concern in students. Students are sensitized towards their

moral responsibilities and to transform their theoretical knowledge into practical application towards social justice.

- To inculcate **compassionate commitment** and concern for others, the academic program offers a compulsory course in “**Environmental Biology**” which deals with **the importance of nature, the maladies of nature, conservation of nature, and biodiversity**. It is made mandatory for all students.
- The **Department of Hindi** has introduced a major drama, ‘**Ashok Kaa Shok**’ focusing on the historic attitudinal change that took place in King Ashoka after the **Kalinga War**. The values of this drama are in alignment with the goals of the institution – conscience and compassionate commitment.
- The **Department of Telugu** has introduced major lessons on topics dealing with the **issues of women and dalits** in order to sensitize students and make them sympathetic towards these vulnerable sections of the society.
- The **Department of Bio-technology** has a paper on **Agricultural and Environmental Bio-technology** which infuses values of crop farming and environmental degradation and remedies provided through Bio-technology.

1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process. (Need Assessment, Feedback, etc)

Essential Considerations for Curriculum Development in ALC:

- Issue/problem/need is identified (issue → what),
- Characteristics and needs of learners (target audience → who),
- Changes intended in learners (intended outcomes/objectives → what the learners will be able to do),
- Important and relevant content →(what),
- Methods to accomplish intended outcomes →(how),
- Evaluation strategies for methods, content, and intended outcomes →(What works?).

Some more considerations in Curriculum Development by ALC:

- We are in the information age: the explosion of information through modern technology has brought about new challenges in the provision of higher education. While designing the curricula, the College considers whether the Curriculum encourages active adoption of innovative approaches of curricula design that are aimed at equipping learners with the necessary skills to access and manage knowledge rather than just assimilate knowledge.
- The College aims at developing curriculum that provides a base for a broad and all round education that integrates academic excellence, humanistic education, and entrepreneurial training.

- Analysis of the surrounding educational environment is a key feature of curriculum development by the College. Before a program is designed, the needs of the learners and society are ascertained.
- Reviewing processes is made part of the curriculum plan in order to accommodate new ideas and knowledge. Such changes should be informed by innovations in learning and teaching technologies as well as advancements in a particular subject or discipline.
- In the development of curricula, faculties specify clearly the aims as well as the learning outcomes of the program. This will facilitate the identification of specific outcomes for various courses and modules in the program. The learning outcomes are aligned to assessment and should include knowledge and understanding of the subject, cognitive skills, core professional skills as well as personal attitude and generic skills.
- Curricula are made learner-centered and describe content, skills to be mastered, teaching methods and learning activities, forms of assessment, course texts and other teaching materials.
- The Curriculum plan requires learners to undergo two types of attachment/internship as an integral part of their study program at the College: community attachment, to provide students with an opportunity to learn as they serve and industrial internship to provide students with the opportunity to learn as they work.
- All graduate curricula require learners to undertake Project Work and write a dissertation or thesis as part of the study program.

After the curriculum is developed by the concerned department, looking into the above-listed considerations, it will be presented to the Board of Studies for approval. The Board of Studies is constituted not only with the faculty of the department and external experts but also with representatives of the industry and meritorious alumni/ae. The curriculum is thoroughly discussed. With the modifications suggested by the industrial experts and other experts, it will be recommended for ratification by the Academic Council along with business case plan which will be discussed in the Academic Council and ratified. And the curriculum comes into force.

1.1.3 How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?

The Boards of Studies which approve the curricula have representatives from the industry, research bodies, and meritorious alumni/ae. They get actively involved in the discussions in the design and development of the curriculum. Hence the curriculum designed by the College meets the requirements of the industry. The suggestions and comments of the alumni/ae that are pursuing their higher degrees will cater to the smooth transition for the vertical mobility of the learners.

To cite an example as to how the College benefited through the involvement of stakeholders is the introduction of the **B.Sc. program (Electronic Technology)**. The initial thought of introducing this course occurred in the deliberations of the Board of

Studies of Electronics, wherein a member from **Efftronics Ltd**, a leading electronics designing firm of repute, mooted the idea which was later formalized with the active involvement of that industrial house.

Similar is the case with **B.Voc. (Renewable Energy Management)** course which was designed and developed with the help of the representatives from the industry and those of Dept. of Non-Conventional Energy.

1.1.4 How are the following aspects ensured through curriculum design and development?

- **Employability**
- **Innovation**
- **Research**

Employability:

To enhance the employability of students, two B.Voc. Programs are introduced from the academic year 2014 – 2015: one in **Renewable Energy Management** and the other in **Paramedical and Hospital Administration**. The courses on **Visual Communication, Food Technology, Bio-technology, Animation and Visual Effects**, etc., are also geared to the employability of students.

The curriculum is so designed that all the courses are **functionally relevant** and **application-oriented** so that **employability** of the learners is ensured. This aspect has been very much strengthened with the introduction of the CBCS from the academic year 2005 – 2006.

Under the CBCS, there are **Subject Electives (Special), Skill-based Electives, and General Electives** which ensure employability of students. The Subject Electives (Special) expose students to a higher level of learning in that particular subject and try to meet the requirements of the industry. Skill-based electives focus on imparting technical skills and General Electives orient students towards a multi-disciplinary approach and these general electives are career-oriented, add-on courses. To cite a few examples:

- The **Subject Electives (Special)** of the Department of Zoology, “**Principles of Immunology**” and “**Principles of Bio-chemistry**” focus on imparting knowledge in advanced topics and enable students to get gainful employment in diagnostic laboratories.
- The curriculum of **Department of Microbiology** ensures employability of students through applied papers such as **Industrial Microbiology, Agricultural Microbiology, and Environmental Microbiology**. In the above papers, students learn and practice various microbiological procedures or methods such as sanitary analysis of water, fermentation to obtain useful products (wine preparations, enzymes, antibodies, etc.), analysis of soil samples microbiologically to know its fertility, preparation of bio-fertilizers, etc., which will ensure our students in

grabbing opportunities in areas such as water plants, pharmaceutical productions, quality management and control, agro-based companies, research and various other industries.

- The **Department of Botany** introduced a special paper **Horticulture**. Students are trained in different techniques for their future employment, i.e. in Bonsai, Landscaping, Nursery management, etc.
- Students of Biology also get benefited by other papers such as **Food Microbiology** in which they learn and practice micro-biological analysis of various food samples, preparation of fermented milk products using micro-organisms. Utilizing these courses, they can get placed in star hotels, food processing units, food quality control units, dairy industries, etc.
- Similarly, the Subject Electives (Special), of the **Department of Chemistry** include “**Synthetic Organic Chemistry**” and “**Chemistry of Natural Products**” imparting advanced knowledge in specialty areas of the subject.
- The skill-based electives of the Department of Zoology, “**Ornamental Fishery**” imparts employability skills to students in the field of aquaculture and the elective “**Clinical biology**” ensures employability in medical and diagnostic centers.
- The skill-based electives of the Department of Mathematics, “**Operations Research**” and “**Numerical Analysis**” and “**Discrete Mathematics**” focus on employability of students.
- The Department of **Physics** is offering four skill based electives: “**Microprocessors**”, “**Computer Graphics**” “**Electronic Devices**” and “**General Instrumentation**”. All of them are geared towards developing skills among students for gainful employment.
- Employability skills are also provided through the **General Electives**.

General Electives offered under CBCS			
1	Food Technology	9	General Studies with Current Affairs
2	Basics of Financial Accountancy	10	Pharma Drug Marketing
3	Web Designing	11	Principles of Marketing
4	Data Base Management System (Oracle)	12	Every day Physics in life
5	English for Competitive Exams	13	Home Crafts & Textiles
6	Spoken English	14	Herbal Medicine
7	Analytical aptitude	15	Script writing
8	Quantitative Techniques	16	Food Supply Chain Marketing

- Similarly, the curriculum of the **Department of Commerce** ensures the employability of the students by offering courses on **Accounting Packages**.

- **B.Com (Professional)** program is designed to create enhanced competencies of career positioning through corporate employment or higher studies at institutions of repute. The uniqueness of B.Com Professional is its content, topic coverage, teaching methodology, evaluation pattern, the faculty and the compulsory add-on professional course. The syllabus has been designed at a **level higher** than that of the **intermediate level of CA/CS**.
- Apart from the electives offered, the core-curricula of all the departments incorporate additional application-oriented components needed for employability. To cite a few examples:
 - The Department of English has made the **General English** course **communication skills-oriented** rather than reproduction of text content.
 - To enhance the chances of employment for students of **Special Telugu**, a course on “**Journalism**” has been introduced. Students are trained to acquire journalistic skills so that they could get employment in the ever-growing print and electronic media.
 - The curricula of **Hindi and Sanskrit** have incorporated the **component of translation** which helps students to get employment as translators. Moreover, the curriculum of the Department of Hindi incorporates **Functional Hindi**, thanks to which students will have bright future in the fields of translation and administration, as every national institution is required to employ Hindi translators.
 - The **Department of Statistics** has introduced a paper on “**Actuarial Science**” which creates employability in Insurance sector with the number of players in the field of insurance increasing constantly.
 - The **Department of History** trains students to relate contemporary social problems to past History. On the other hand, they offer a course on “**Monetary Systems**” dealing with the economic aspects. They have also included a paper on “**Tourism and Travel Management**”.
 - As **Political Science** is one of the most **preferred papers** for **Civil Services** and other competitive examinations, the Department of Political Science has devised its curriculum in such a way that it caters to the needs of the students who take up these competitive examinations.
 - The curriculum of **Commerce** is more oriented towards professional competence through introduction of papers on **Marketing and Sales Management, Human Resources Management** and **e-Commerce**.
 - The **Bachelor of Vocational Degrees** like B.Voc. in **Paramedical and Hospital Administration** and B.Voc in **Renewable Energy Management** are completely employment-oriented.

Innovation:

Autonomy and the introduction of CBCS have paved way for innovation in the curriculum offered by different programs of study. The College offers innovative programs of study like B.Sc. (Visual Communication), B.Sc. (Food Technology) and B.A. (Music, Dance, Animation and Sound Production). All are UGC-sponsored

under the scheme ‘**Innovative programs**’ (including courses in emerging areas).

Apart from these UGC-sponsored Innovative Programs, the College also offers innovative programs like **B.Sc. (Electronic Technology)**, **B.Com (Professional)**, **B.Com (Computers)**, etc.

Besides, the curricula offered by different programs of study include innovative syllabi and papers. To cite a few examples, the paper, **Applied Zoology** in B.Sc. (Zoology) curriculum is innovative in nature as it caters to the needs of students in the areas of Bio-technology, Bio-informatics and Aquaculture.

Molecular Techniques in the curriculum of Botany is another important applied paper which provides a number of jobs in research and pharmacological institutes.

Medicinal Botany: Today people are carefully looking for highly healthy methods to cure various ailments. We have introduced Medicinal Botany to explain various medical systems in India and also to explain various chemical components of those medicinal plants.

A paper on **Herbal medicines** has been introduced for non-biology students as a general elective in the curriculum.

Papers like **Andhra Pradesh Economy**, **Environmental Economics**, **Fundamental Computers**, **Economic Statistics**, etc., have been introduced in the curriculum of the Department of Economics to prepare students for competitive exams.

The curriculum of the **Department of Hindi** trains students in **drama preparation** at various stages of a drama such as script writing, sitting rehearsals, standing rehearsals, dialogue delivery, acting without makeup, etc. For this purpose, the historical drama, “**ASHOK KA SHOK**” has been introduced in the syllabus. This has created a lot of interest in this popular literary form and continues to make students learn original and native accent of Hindi language.

Research:

To make the curriculum research-oriented, the component of Project Work has been included for all the final year students, through which they are introduced to the fascinating world of research and to ensure scientific temperament, scientific thinking, and critical analysis. Students are also encouraged to present seminar papers in various regional and national seminars.

1.1.5 How does the College ensure that the curriculum developed addresses the needs of the society and have relevance to the regional/national developmental needs?

ALC ensures that the curriculum it has developed addresses **the needs of the society** and has relevance to the regional/national developmental needs. It is also ensured by conducting the preliminary survey and need assessment before a course is being introduced. For example,

- **New academic program in Food Technology, Microbiology and Chemistry** is introduced to address the needs of the society. Krishna District in which the College is located is an agrarian district. It is a real concern that the unprocessed food items have very little shelf life and it is the need of the hour that processing technology is to be promoted. Already several processing industries have been started in the area. **B.Sc. (Food Technology)** course finds its place in addressing the need of the society. At the same time, it also addresses the regional and national developmental needs. Food Technology is an emerging discipline. India is one of the largest producers of raw food materials in the world but Indian Food Industry is not so much developed.

At present, we are processing only 2% of our raw food. In contrast, in the developed countries such as the United States, the United Kingdom and Canada, 80-90% of the raw food materials undergo processing and value addition. Recently, the Indian Government has taken steps in right direction aiming at increasing food processing from 2% (as at present) to 10% by 2020. To achieve this growth, the Food Processing Ministry has set a target of attracting investment of over Rs. 1, 40, 000 crores over the next 10 years. This is expected to generate direct employment for 75 lakh persons and ensure better prices for farmers. ALC has started B.Sc. (Food Technology) to cater to the regional and national needs and to support the growing demand of food industries for qualified human resources.

- The curriculum is constantly upgraded to address the needs of the society, like forming citizens with social concern and compassionate commitment. To cite a few examples, **curriculum includes courses on environmental concerns, conservation of bio-diversity and social and preventive medicines.**
- **Environmental and Agricultural Microbiology** is a paper introduced in the curriculum of B.Sc Microbiology, related to current areas of research to further the development and meet the needs of the society.
- The courses in **B.Sc. (Electronic Technology Development)** and **B.Sc. (Visual Effects)** are in consonance with the regional needs of developing professionals in the fields of electronics, animation and visual designing respectively.
- The course **B.Sc. (Visual Communication)** meets the needs of the regional and national development. Keeping in mind the kind of media explosion being witnessed in the country, the College has introduced a course on B.Sc. (Visual Communication) to bring out trained man power for meeting the requirements of the **electronic media** through subjects like **development communication, media culture and society, mass communication research,** etc.

- The **Department of English** has introduced subjects like **English for Career Development, English for Competitive Examinations, Spoken English** since communicative competence is the need of the hour.
- The curriculum of the **Department of Hindi** seeks to impart the necessary knowledge required for the administrative career and regional development needs by introducing **Translation of Official Language** and **Translation of Regional Language and Literature** into Hindi.
- The curriculum of the **Department of Statistics** meets the present-day requirement by introducing papers like “**Optimization Techniques**”, “**Actuarial Statistics**”, “**Operations Research**”, and “**Statistical Quality Control**”.
- The **Department of History** offers a paper on “**History of Modern Andhra**” and a paper on “**Economic History of Modern India**”, both focusing on regional and national development needs. The paper on the History of Modern Andhra deals with the socio-economic and cultural ethos of the region.
- The **Department of Political Science** offers papers on “**Indian Political Thought**” and “**International Relations**” focusing on the national development.
- Keeping pace with the present demands of regional and national needs, the **Department of Physics** has enriched its curriculum by including the following papers on “**Atomic, Molecular and Nuclear Physics** (in the final Semester), **Thermodynamics** (in III & IV Semesters), **Electronic Devices and Circuits** (elective paper in V Semester), **Nanotechnology** (elective paper in V Semester), **Bio-Physics** (elective paper in V Semester), **Communications Physics** (elective paper in V Semester), **Material Science** (elective paper in V Semester), etc.
- The curriculum of the **Department of Microbiology** is developed in such a way as to address the needs of the society and have relevance to the regional/national developmental needs too. Papers such as **Environmental and Agricultural Microbiology, Medical Microbiology, Clinical Microbiology, etc.**, are incorporated into the curriculum which consists of topics related to current areas of research to further the development and the needs of the society.

1.1.6 To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?

The College takes cognizance of the guidelines published by the regulatory bodies like the University Grants Commission (UGC) by way of adopting its model curriculum on need basis. Similarly in the development of various curricula, the guidelines of A.P. State Council for Higher Education have been taken into consideration. All the Boards of Studies have been supplied with a copy the UGC Model Curriculum to facilitate the baseline data for their deliberations in modifying the existing curricula.

1.2 Academic Flexibility

1.2.1 Give details on the following provisions with reference to academic flexibility:

- a. Core/Elective options
- b. Enrichment courses
- c. Courses offered in modular form

- d. Credit transfer and accumulation facility
- e. Lateral and vertical mobility within and across programs and courses

a. Core / Elective options

Under the CBCS system in the curricula of all the departments, there are core papers which are mandatory for all students along with subject-based electives and skill-based electives, where option is given to students to choose one among two or three electives offered. Similarly, option is given to students in General Electives.

- B.A. Department is offering **Rural Development and Environmental Economics** as core papers. The Department offers two elective papers that are offered in semester V (two paper) and semester VI (two papers) to enable the students pursue higher studies and also to enhance their employability. Students have the freedom to choose the electives from the options provided. In Semester V, **Public Finance, Computer Fundamentals and Economic Statistics** are offered as Elective papers. In Semester VI, **International Trade, Computer Applications in Economics** are offered.

b. Enrichment Courses

To enrich the entire curriculum, certificate courses are offered to students, which enrich their existing knowledge in the area of their discipline. **Andhra Pradesh Economy, Environmental Economics, International Trade, Computer Fundamentals and Economic Statistics, Computer Applications in Economics** are offered by the Department of Economics. **Food Technology** as a General Elective is offered by the Department of Microbiology.

c. Courses offered in modular form

The syllabi of all the departments are designed in such a way that they are offered in a modular form. To cite a few examples, in the department of Zoology, **Animal Diversity (Invertebrates), Animal Diversity (Chordates)** are the two modular courses by which students complete the two major areas as two single and independent modules which are not carried forward further. Similar is the case with the independent modular papers being offered by the Department of Political Science.

The Department of Physics also offers similar modular papers in **Atomic, molecular and Nuclear Physics** (a paper in the final semester), **Electronic devices and circuits** (elective paper in V Sem), **Nanotechnology** (elective paper in V Sem), **Bio-Physics** (elective paper in V Sem), **Communications Physics** (elective paper in V Sem), **Material Science** (elective paper in V Sem).

d. Credit transfer and accumulation facility

Credit transfer is ensured by given equivalency to the papers studied by students when they wish to pursue the same course in some other college. However, they are very stray cases. Credit accumulation facility is provided for students who are pursuing certificate courses which are separate from the regular courses of study.

e. Lateral and vertical mobility within and across programs and courses

Lateral mobility within the courses is ensured through the various General Electives offered.

Vertical mobility within and across the programs and courses is ensured through the

facility available for doing more number of electives offered by different departments.

1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If ‘no’, explain the impediments.

Yes. The course in **B.A. (Music/Dance)** is specially designed to target international students. It was designed to introduce the art and dance of Indian classics to international students. However, not many international students are joining the College as it is not situated in a metropolitan city. The major impediment is that the College is located in a semi-urban area.

1.2.3 Does the College offer dual degree and twinning programs? If yes, give details.

The policy of the State Government and the University do not permit the College to offer dual degrees and twinning programs. However, the College has been running the **MBA programs** of the **Center for Distance Education, Pondicherry University**.

1.2.4 Does the College offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are on par with the aided programs?

Out of the total of 22 UG programs, the following 14 are self-financed:		
1	B.Sc.	Computer Science, Mathematics & Physics
2	B.Sc.	Computer Science, Mathematics and Statistics
3	B.Sc.	Electronics, Computer Science & Mathematics
4	B.Sc.	Visual Communications, Electronics & Computer Science
5	B.Sc.	Bio-technology, Microbiology, Chemistry
6	B.Sc.	Electronic Technology
7	B.Sc.	Food Technology
8	B.Sc.	Animation and Visual Effects
9	B.Voc.	Paramedical & Hospital Administration
10	B.Voc.	Renewable Energy Management
11	B.A.	Music/Dance, Animation Design & Sound
12	B.Com	Computers

13	B.Com	Professional
14	B.B.A.	Bachelor of Business Administration

All the 8 PG programs are self-financed		
1	MBA	Master of Business Administration
2	MCA	Master of Computer Application
3	M.Sc.	Physics
4	M.Sc.	Chemistry
5	M.Sc.	Bio-technology
6	M.Sc.	Botany
7	M.Sc.	Mathematics
8	M.Sc.	Visual Communication

However, the policy of admission, teachers' qualifications, etc., is on par with the aided programs. The fee collected is 10% – 20% higher than that of the aided programs. Salary to the self-financed faculty is paid as per the management norms.

1.2.5 Has the College adopted the Choice Based Credit System (CBCS)? If yes, how many programs are covered under the system?

ALC, while exercising its privilege of autonomy, has adopted the **CBCS with the semester pattern for all undergraduate courses since 2005-06**. Since the Postgraduate courses are still under the affiliating system, they are under the University Semester system. As per the norms of the State Government of Andhra Pradesh, autonomy has been extended only to the undergraduate courses so far. However, the College has applied for autonomy for PG courses and an Expert Committee sent by the University has recently inspected the College to assess its eligibility. The College is awaiting the nod from the University for Autonomy for PG courses in the near future.

The CBCS has been introduced with the following main objectives:

- To provide broad-based education
- To provide students with flexibility in the choice of courses
- To provide students multi-disciplinary curriculum
- To enable students to choose courses at basic and advanced levels

- To enable students to acquire job-oriented skills
- To enable students to progress at their own pace.

With the objective of developing the personality of students to be able to realize their full potentials and to expose them to the social realities with a view to making them responsible citizens and ‘other-centered’, **Foundation Courses** have been introduced. The Foundation Courses include courses on **Indian Heritage and Culture, Science and Civilization, Environmental Education, Fundamentals of Information Technology, Value Education, and the College Extension program – ALERT**. Credits are assigned for participation of students in **NCC/NSS/Sports/Extra-curricular activities** also. All these Foundation Courses carry a weightage of nine credits.

In line with the curriculum offered throughout the State of Andhra Pradesh, the CBCS requires students to choose three majors. In each major, with the objective of developing in students an in-depth knowledge in a selected area of their study, **Subject Electives (Special)** have been introduced. These **Subject Electives (Special)** are advanced courses focusing on an area of higher learning in that particular subject. Similarly, with the objective of developing particular technical skills among the learners, **Subject Elective (skill-based)** in that major has been introduced. Apart from the three majors, students are required to do a **General Elective of multi-disciplinary nature**. This General Elective is **career and market-oriented, skill enhancing add-on course** that has utility for job and self-employment of students.

The CBCS designed at ALC makes the course-content innovative besides being interdisciplinary and competitive, leading to the development of newer ideas and culminating in tangible results. On the other hand, the academic programs are not merely market-driven or catering to the needs of the industry but are also broad-based, inculcating conscience and compassionate commitment in the learners. Students are also given multiple choices of courses and subjects. Since the academic year 2005 – 2006, the College has been following CBCS. All the 22 degree programs are under the CBCS.

1.2.6 Percentage of programs offered by the College follows:

- * Annual system
- * Semester system
- * Trimester system

All courses follow Semester system only without any exception.

1.2.7 What is the policy of the College to promote inter-disciplinary programs? Name the programs and what is the outcome?

The College ensures inter-disciplinary nature to be part and parcel of majority of its programs. The College follows a three-major system which itself is inter-disciplinary in nature.

- Students of B.A. have to opt for one of the four combinations: (History, Economics & Political Science) or (History, Economics & Special English) or (History, Economics & Special Telugu) or (History, Economics & Mathematics).
- Students of B.Sc. can take three majors: (Mathematics, Physics, & Chemistry), (Mathematics, Physics, & Computer Science), (Mathematics, Physics & Statistics), (Mathematics, Computer Science, & Statistics), (Botany, Zoology & Chemistry), (Bio-technology, Microbiology & Chemistry), (Food Technology, Microbiology & Chemistry), etc.
- Even within a major, there is an inter-disciplinary component. For example, in the curriculum of Zoology, there are papers on Bio-technology, Biochemistry, and Immunology. The curriculum of Botany also deals with microbiology. Food technology curriculum also embraces microbiology. The curriculum of the department of History also includes Environmental History and Tourism and Travel Management. B.Com curriculum is multi-disciplinary in nature as it is offered along with Computer Applications.
- The major outcome realized in promoting inter-disciplinary programs is in terms of the employability of the students, more choices for their vertical mobility and expanding knowledge in their respective disciplines.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the College reviewed for making it socially relevant and/or job-oriented/knowledge intensive and meeting the emerging needs of students and other stakeholders?

During the Annual Meeting of the Boards of Studies and the Academic Council, all the curricula of the College are reviewed **every year** to make them socially-relevant and job-oriented/knowledge-intensive and meeting the emerging needs of students and other stakeholders. To cite a few examples:

- The curriculum of **History** is made **socially relevant** by introducing the paper on **Environmental History**. It is also made **job-oriented** by introducing the paper on “**Travel and Tourism Management**”. To make the curriculum knowledge-intensive, papers on “**Monetary Systems**” was introduced.
- The curriculum of **Economics** is made **socially relevant** by introducing the papers on **Andhra Pradesh Economy** and **Environmental Economics**. The curriculum is also made **job-oriented** and **knowledge-intensive** by introducing papers on **Fundamental Computers of Economics** and **Economic Statistics**.
- The curriculum of **Political Science** is made socially relevant through “**Major issues in Contemporary Politics**” and incorporated topics like ‘**Women’s Empowerment**’, ‘**Women Rights**’, ‘**A Brief History of Women’s Liberation Movement in India**’ and **biographical studies of women activists** like, **Sarojini Devi, Medha Patkar, Santha Sinha and Taslima Nasreen**.
- The curriculum of **Physics** is made socially relevant by introducing the paper on

Bio-Physics and is made knowledge-intensive by introducing papers on **Material Science, Molecular Physics, and Nuclear Physics**. It is made more job-oriented with papers on **Communications Physics and Nanotechnology**.

- The curriculum of **Zoology** is made socially relevant by incorporating papers on **Ecology and Social and Preventive Medicine**. It is made more **job-oriented** by introducing papers on **Clinical biology** and **Ornamental Fishery**. It is made **knowledge-intensive** by introducing papers on **Biochemistry** and **Immunology**.

1.3.2 How many new programs have been introduced at UG and PG levels during the last four years? Mention details.

Inter-disciplinary programs introduced during the last four years include:

1. **B.Sc. Animation and Visual Effects**
2. **B.Sc. Electronics Technology Development**
3. **B.Com Computer Science**
4. **B.Com Professional**
5. **B.A. Music/Dance, Animation and Sound**
6. **B.Voc Renewable Energy Management**
7. **B.Voc Paramedical and Hospital Administration**
8. **B.Sc. Food Technology**

1.3.3 **What are the strategies adopted for revision of the existing programs? What percentage of courses underwent a major syllabus revision?**

Each Board of Studies has the Head of the Department as the Chairperson and the Faculty of the Department concerned as the members. The entire department has on-going interactions with eminent scholars in their subject in framing and updating the syllabus. The syllabus, thus prepared in advance, is presented at the Board of Studies Meeting which is attended by two external experts of the subject selected by the College after thorough scrutiny and a professor of the subject from the university nominated by the Vice-Chancellor. These academic experts ensure the currency and relevance of the program offered. The feedback obtained from students and alumni and the suggestions of the industrialists are also taken into consideration during the re-framing of the syllabus. All the major programs of study have undergone a major syllabus revision during the last Boards of Studies.

1.3.4 **What are the value-added courses offered by the College and how does the College ensure that all students have access to them?**

The College has a three-pronged approach in offering value-added courses to students. One is through enriching the regular courses of study and through offering General Electives. The following is the list of General Electives offered:

General Electives offered under CBCS			
1	Food Technology	9	General Studies with Current Affairs
2	Basics of Financial Accountancy	10	Pharma Drug Marketing
3	Web Designing	11	Principles of Marketing
4	Data Base Management System (Oracle)	12	Every day Physics in life
5	English for Competitive Exams	13	Home Crafts & Textiles
6	Spoken English	14	Herbal Medicine
7	Analytical aptitude	15	Script writing
8	Quantitative Techniques	16	Food Supply Chain Marketing

The second is by offering Degree and Postgraduate programs which are value-added courses by themselves like **B.Sc. Animation and Visual Effects, B.Sc. Food Technology, B.Com Professional, B.Sc. Visual Communication and M.Sc. Visual Communication.**

The third approach is by way of establishing a **Center for Continuous Learning and Research (CCLR)**. One of the main objectives of the Center is to encourage individual departments to offer value-added certificate courses. Presently, the Center is offering the following value-added certificate courses:

S NO	Department	Certificate Course
1	Visual Comm	Diploma in Television Production (DTVP)
2	Visual Comm	Certificate Course in Photography (CCP)
3	Visual Comm	Certificate Courses in Script Writing & Direction (CCSWD)
4	Animation	Diploma in Audio Engineering (DAE)
5	Animation	Diploma in Animation & VFX (DAVE)
6	Physics	Information Technology Application (CITA)
7	Physics	Quantitative Techniques (QT)
8	Electronics	Computer Hardware
9	Statistics	Exploratory Data Analysis
10	Commerce	Tally Accounting Package
11	Ethics & Religion	Biblical Studies
12	Ethics & Religion	Professional Ethics
13	Telugu	Telugu Folk Arts

1.3.5 Has the College introduced any higher order skill development programs in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

YES. The College has introduced two Bachelor of Vocational Degree Programs – **B.Voc in Paramedical and Hospital Administration** and **B.Voc in Renewable Energy Management**.

Under the National Skills Development Corporation, many Sector Skill Councils representing respective industries are being established. One of the mandates of Sector Skill Councils is to develop National Occupational Standards (NOSs) for various job roles in their respective industries. It is important to embed the competencies required for specific job roles in the higher education system for creating employable graduates. The UGC has launched a scheme on skills development-based higher education as part of college/university education, leading to Bachelor of Vocation (B.Voc.) Degree with multiple exits such as Diploma/Advanced Diploma under the NSQF.

Under the scheme, UGC has sanctioned the above mentioned programs to ALC which are in consonance with the national requirements as outlined by the National Skills Quality Framework (NSQF). The syllabus has been designed as per the requirement of levels 5, 6 and 7 of NSQF. The programs were so designed that they integrated NSQF within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. These graduates, apart from meeting the needs of local and national industry, are also suitably trained to be equipped to become part of the global workforce.

1.4 Feedback System

1.4.1 Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Feedback from **students** on the **curriculum, course-evaluation, and the faculty** is obtained periodically by administering a structured questionnaire. The feedback forms are scrutinized by the Internal Quality Assurance Cell (IQAC) of the College and are sent to respective Boards of Studies to make necessary modifications in the curriculum. Feedback on curriculum is also obtained from **Students' Quality Circles** established under the aegis of IQAC and passed on to the respective Boards of Studies for their use.

1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion, etc). Give details of the impact on such feedback.

IQAC conducts periodical National Seminars and workshop on Curriculum Development. The latest such workshop was held with the theme, "**Curriculum Development and its social relevance**" during the academic year.

Faculty members also interact with the fellow faculty members during their participation in International and National Seminars conducted by the College and

other institutions. Based on such feedback, **new courses in B.Sc. Food Technology, B.Com Professional and B.Sc. Animation and Visual Effects** were introduced by the College. The feedback also helped in making the curriculum of almost all major courses socially-relevant as well as job-oriented.

1.4.3 Specify the mechanism through which alumni, employers, industry experts, and community give feedback on curriculum enrichment and the extent to which it is made use of.

The College has an active and strong alumni association called **Andhra Loyola College Alumni Association (ALCAA)**. **Periodical meetings** are arranged with the **alumni** and **subject experts** of the departments to obtain feedback. The feedback from alumni is also one form of obtaining feedback from the community. **Informal interaction** with the public during seminars or exhibitions is another means of getting feedback from the community with reference to the academic programs of the College. **Feedback from parents** is also obtained during the Parents' Meet organized every year. **Periodical interface meetings** of the faculty and employers/industrialists are conducted besides sending a **copy** of the **syllabus to employers/industrialists** for feedback on the curriculum of the department concerned. Academic peers are invited to the Boards of Studies for framing the syllabus and the examiners are also sent a copy of syllabus being followed for their expert comments on the syllabus.

The feedback obtained from different stakeholders are segregated and sent to the respective departments. The **Heads of the Departments scrutinize** the responses and suggestions and select those which are feasible to be incorporated in the academic programs. They are discussed in the **departmental meetings** and then taken for discussion at the Meeting of the Boards of Studies. Issues pertaining to administrative activities are scrutinized by the Vice-Principal and are taken up for further discussion with the Principal and the Correspondent of the College for implementation.

To cite a few examples:

- The curriculum on the **Ecology** was revised in the Department of Zoology by incorporating topics on **Bio-diversity** and deleting a few topics which were repetitive in a similar paper offered by the Department of Botany.
- The curriculum of the Department of Botany was also revised keeping in view the suggestions offered by academic peers and a new paper on **Industrial Microbiology** was consequently introduced.
- **Advanced Management Accounting** was introduced into the curriculum of the Department of Commerce, based on the feedback obtained from the industrialists.
- Keeping pace with the recent developments and requirements, topics on '**Service Marketing**' and '**Direct Marketing**' were introduced in the paper "Marketing and Sales Management" offered by the Department of Commerce.
- The Department of Economics, based on the requirements of students, introduced a course on "**A.P. Economics**" to prepare the students for competitive examinations conducted by the State Public Service Commission.
- The Department of Mathematics introduced "**Problem Solving Sessions (Practicals)**" in its curriculum.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring effective development of the curricula?

Quality Sustenance Strategies:

- Implementation of the **Choice Based Credit System (CBCS)**
- Implementation of **Subject Electives (Special)** in all the three majors
- Implementation of **Subject Electives (Skill-Based)** in all the three majors
- Implementation of **General Elective** which is multi-disciplinary in nature, add-on skill development elective.
- Implementation of **Project work** in UG/PG disciplines.
- **Linkage with research institutes** for the training of students in emerging areas.
- **Conducting surveys** made part of the curriculum for the arts courses.
- The goals of the Institution are also reflected in the extension activities of the College. **ALERT – Andhra Loyola Extension for Rural Transformation** - the specifically designated program of the College has been for infusing compassionate commitment and conscience among students.
- To cope with the learner differences, the Department of English has introduced **‘Streaming’ for the General English Course**, with A, B, and C streams.
- The **English Language Laboratory** brings in the element of practical approach to language learning. The Department of English has made the **General English** course more functional and rather than content-based and memory-oriented.
- The College lays emphasis on formation of values in the students through its **Value Education Course**. A pass in this course is mandatory for students to be eligible for the award of the degree.
- A compulsory course in **“Science and Civilization”** is a part of the foundation course which instills in young scientific temperament and frees them from superstitious beliefs.
- To inculcate compassionate commitment and concern for others, the academic program offers a compulsory course in **Environmental Biology**. This course also increases deeper awareness on the environmental problems and conservation strategies.
- The Department of Mathematics has introduced **Problem Solving Sessions** from the year 2005-06 with the objective of making the course more practical-oriented.
- To enhance the chances of employment for students of Special Telugu, courses like **“Journalism”** and **“Desk Top Publishing”** have been introduced. Students are trained to acquire journalistic skills so that they can get employed in the ever-growing print and electronic media.
- As part of the Foundation Courses in the CBCS, all students are required to take a course in **“Fundamentals of Information Technology (FIT)”.Communication skills and Soft skills** are given importance in the curriculum of General English.
- The College has been offering diploma/certificate courses in different disciplines. These diploma/certificate courses are add-on courses for the regular degree programs. With the introduction of the CBCS, these courses have been integrated

into the curriculum under the General Electives component.

- The syllabus is constantly revised during the meeting of the annual Boards of Studies conducted every academic year.

Quality Enhancement Strategies

- In order to provide technical competence to students, academic program in B.Sc. (Electronics Technology), B.Sc. (Food Technology), and B.Sc. (Animation and Visual Effects) were introduced during the period of review.
- B.Voc. programs in Paramedical and Hospital Administration and Renewable Energy Management were introduced during the period of review.
- In postgraduate courses, M.Sc. Visual Communication was introduced during the period of review.
- Introduction of **ALANA (Andhra Loyola Accompaniment for Neighborhood Accomplishment)** which was specifically designated by the College with the objective of extending the classroom into the neighborhood takes care of infusing compassionate commitment and conscience among students.
- A course in **Contemporary Indian Society** is made **compulsory** for all first year students. This course exposes students to the rich and varied traditions and cultures of our great Country and infuses social values pertaining to the present-day society.
- A **compulsory course** on “**Science, Technology and Development**” is part of the foundation course which instills scientific temperament in the young minds, questioning superstitious beliefs.
- The institution has provided flexibility in terms of the Core options and Elective options.
- Special Remedial Coaching for SC and ST students has been organized for the past two years under the scheme sponsored by UGC.
- Apart from this, each department takes up remedial classes for the slow and disadvantaged learners.
- Feedback from students on the curriculum, course-evaluation and faculty performance is obtained by administering a structured questionnaire. The courses are constantly updated, keeping pace with the emerging needs of the society in general and of students in particular.
- In all the departments, the teaching-learning process is multi-dimensional comprising not only classroom interactions and practicals but also field visits, remedial programs, library assignments, project works, seminars, workshops and internship.
- The curricula designed by the departments ensure that our young students develop knowledge, understanding, skills, and attitudes necessary for their development as active and responsible citizens committed to national development.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the College ensure publicity and transparency in the admission process?

The College ensures wide publicity and transparency in its admission process through the following means:

- a) The College **regularly publishes the Annual Prospectus**, giving details of the courses offered by the College along with its aims and objectives, eligibility criteria for various courses and the admission procedure. The prospectus also highlights the future prospects of various courses, the salient features of the education at Loyola and facilities available in the College.
- b) The College also has an **active website**, www.andhraloyolacollege.ac.in which gives the list of courses the College offers with useful information to the prospective students.
- c) The College **releases an admission notification** in all leading regional and national dailies.
- d) The College also ensures a wide publicity by putting up **billboards** at vantage points of the College for the benefit of the general public.
- e) To ensure **transparency**, different registers are maintained for the sale of applications and the return of the filled-in ones. Applications can also be downloaded from the College website and submitted online during the time of admissions.
- f) To make sure of transparency in the process of admissions, **different admission committees** are constituted, each having a Convener and members who scrutinize the application forms received and prepares a merit list of eligible candidates. The Committee then sends the call-letters by post.

2.1.2 Explain in detail the process of admission put in place for UG, PG and Ph.D. programs by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?

For UG programs: For all the UG programs of study, the criterion for admission is merit, as per the marks obtained in the qualifying examination. However, as the College being a minority institution, preference is given to deserving Catholic and Christian students. For all the courses, the admission committee will conduct an oral interview to assess their aptitude on the course before the admission is finalized.

For BBA and B.Sc. Visual Communication courses, an aptitude test is conducted.

For PG programs: The admission for PG programs is done through the Common Entrance Test conducted by the University. For professional courses like MBA and MCA, admissions are based on the state-wide Integrated Common Entrance Test conducted by the State Council of Higher Education. Candidates are allotted by the Convener of Admissions of the University/State Council of Higher Education.

2.1.3 Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

The College has a Central Admission Committee (apart from the individual admission committees that make the admissions for various courses) which meets annually to decide on the admission process and ways and means to be followed. The Admission Committee also makes policy decisions and reviews the admission process of the previous academic year and makes changes wherever necessary.

Once the admissions are completed, the College Office prepares student profiles based on the admission application form. Student profiles consist of the details of the social and economic background of students along with their family and personal profile. Student profiles are used while giving fee concessions and other management scholarships for the students. Student Profiles are also used for identifying any specific talents of students to be nurtured further. The Central Admission Committee gets feedback from the other admission committees regarding the smooth, transparent, and student-friendly process and makes policy decisions accordingly.

2.1.4 What are the strategies adopted to increase/improve access to students belonging to the following categories

- **SC/ST**
- **OBC**
- **Women**
- **Different categories of persons with disabilities**
- **Economically weaker sections**
- **Outstanding achievers in sports and extracurricular activities**

The rule of reservation is followed in admitting SC/ST/OBC and Women. Special consideration is given to students with different abilities and economically weaker sections. Outstanding achievers in sports are recommended by the Physical Director and those with outstanding extra-curricular activities are recommended by the Admission Committee for special consideration for admission. The College from its own resources gives concession of tuition fees and cash prizes, scholarships to all deserved candidates.

2.1.5 Furnish the number of students admitted in the College in the last four academic years.

Categories	Year 1 (2010-11)		Year 2 (2011-12)		Year 3 (2012-13)		Year 4 (2013-14)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	96	42	102	46	100	59	67	37
ST	12	01	07	04	14	00	6	2
OBC	188	79	203	76	214	94	147	83
General	326	153	339	153	219	145	282	132
Others	23	05	01	04	12	08	00	00

2.1.6 Has the College conducted any analysis of demand ratio for the various programs offered by the College? If so, indicate significant trends explaining the reasons for increase/decrease.

Programs	Number of applications	Number of students admitted	Demand Ratio
UG			
1. BA	232	107	1:2
2. B.Sc	1585	643	1:2.5
3. B.Com	408	154	1:3.5
4. BBA	112	44	1:3
PG			
1.	Admissions are done by the respective Conveners through counseling (i.e. University Common Entrance Test and ICET)		
2.			
3.			
4.			
Integrated Masters			
1.			
2.			
M.Phil.			
1.			
2.			
Ph.D.			
1.			
2.			
Integrated Ph.D.			
1.			

Programs	Number of applications	Number of students admitted	Demand Ratio
2.			
Certificate 1. 2. 3.			
Diploma 1. 2. 3.			
PG Diploma 1. 2. 3.			
Any other (please Specify)			

2.1.7 Was there an instance of the College discontinuing a program during last four years? If yes, indicate the reasons.

No program has been discontinued in the past four years. All the programs are introduced only after a thorough need-based assessment.

2.2 Catering to Diverse Needs of Students

2.2.1 Does the College organize orientation/induction program for freshers? If yes, give details of the duration of program, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes, the College organizes an orientation program for the first year students both for UG and PG. The Vice-Principal and the Dean of Student Affairs will chalk out the program in consultation with the Principal. **The program is conducted in two parts.** The **first part** of the program is **centralized**, held for both the parents and students of all disciplines in the College Auditorium. The second part of program is conducted department wise in respective departments.

The first part of the program will have orientation talks to the students by Deans/Senior faculty members on **issues pertaining to** the ethos of the college, rules, regulations and traditions of the college, College Autonomy, Choice-based Credit System, Evaluation pattern, facilities available in the College, Library, Sports and Games facilities, NCC, NSS, NGC, ALERT & ALANA, (College Extension programs) and other voluntary organizations of the college.

In the post lunch session of the day, the freshers will assemble in their respective departments. The **Head of the Department** will introduce the faculty and facilities of the department, followed by **a motivational talk** by one of the senior faculty member. Two or three senior students **share their experiences** with the freshers. Finally, the freshers are required to fill-in an **entry level expectations proforma**.

2.2.2 Does the College have a mechanism through which the “differential requirements of student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

The differential requirements of student population are **analyzed at two levels**. One, in the **Student Profile** prepared after the admission and the second level is through the **entry level expectations**. It is analyzed and interpreted in the student profile and their entry level expectations regarding their educational background and personal and family backgrounds.

One of the key issues identified at this level includes that **at least 30%** are from **socially underprivileged** backgrounds and **first generation learners**. To address their needs, a **two-way approach** is followed. First, they are **motivated** through **Value Education and Mentoring System** to feel that they are second to none. This lifts their esteem. The second way is giving them extra care and academic support through the **Entrepreneurial Development Cell (EDC)** and the **Center for Continuous Learning and Research (CCLR)** through which they are empowered for life-inspiring and enriching skills and courses.

The **Earn While you Learn** scheme of the College bestows upon them the honor of standing on their own feet, at least to some extent, regarding their financial issues. The **skill development courses** of EDC and CCLR give them the momentum for their future life and earnings through gainful employment.

At the same time, it is identified that a lesser proportion of student population are **advanced learners**, already with the required skills. For them also, the EDC and CCLR provide courses and strategies to enable them to become entrepreneurs in future and in the immediate prospect make them **acquire extra credits** to **face the challenges of vertical mobility**.

2.2.3 Does the College provide bridge/Remedial/add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

All departments offer bridge courses. For instance, the **Department of Zoology** publishes *Paribhashika Padakosam*, a translation of technical terms for the usage of students coming for vernacular medium schools. Similarly, the **Department of Physics** conducts a **bridge course** for the benefit of students coming from varied educational backgrounds. Same is the case with most of the departments. **Add-on Courses** are made available for students who need additional skills and knowledge in the given disciplines. The Department of English also conducts a **Bridge Course** for students coming from vernacular medium schools. Department of Botany started **Learn a plant a day** for biology and non-biology students to identify, know the botanical, vernacular name and medicinal importance of that plant.

2.2.4 Has the College conducted a study on the incremental academic growth of different categories of students: students from disadvantaged sections of society, economically disadvantaged, physically handicapped and slow learners, etc.? If yes, give details on how the study has helped the College to improve the performance of these students.

An **analysis** during the **Awards Committee meeting** is presented for perceptive knowing of the incremental growth of different categories of students, which mainly focuses on the students coming from disadvantaged sections of society, economically disadvantaged, differently abled, as identified through the Student Profile and Entry level expectations proforma. The **Academic Activity Registers** maintained by the faculty members also record the incremental academic growth of students.

In general, it is observed that there is a **general trend of incremental growth**, though not phenomenal and exceptional. However, **remedial classes** and **mentoring sessions** provide the means to increase the academic growth of these sections of students. **Peer learning** and **Academic Partnership Programs** facilitate the incremental growth of slow learners. The strategy adopted in Academic Partnership Program is that the slow learners are identified and are made into small groups. Each group is assigned with an advanced learner, a peer from his own class, who assists in the learning activities of the slow learners. With these two strategies, slow learners are clubbed with advanced learners in the class so that they are better helped by their own peers.

2.2.5. How does the institution identify and respond to the learning needs of advanced learners?

Mentoring of the students by the faculty and **individual subject teachers identify** the advanced learners who are encouraged to enroll themselves in the **add-on certificate courses** to increase their knowledge across the length and breadth of their respective disciplines. Advanced Learners are also motivated to take up **individual Project Works**.

They are also persuaded to **present study papers** in various National and State level seminars organized within the College and outside. They are given **assignments of higher order** which requires the usage of cognitive skills rather than rote memory. Advanced learners are encouraged to be the volunteers in the Academic Participatory Learning Program for slow-learners.

For **advanced learners**, the **Department of Physics** offers the following programs: Conducting state-level seminars on advanced topics in Physics, for example, on **Nanotechnology, Biomedical Instrumentation, Energy Alternatives**, etc., and advanced learners presented seminar papers. They were also given additional practicals using the latest equipment. The department also honors meritorious students with attractive prizes. They are also encouraged to take part in research activities.

The **Department of Zoology** conducts orientation classes and bridge course for the slow learners. For the advanced learners, '**Enrichment Cluster Effect Program**' is implemented, in which groups of students who share a common interest come

together each week during specially-designated time to discuss, debate or undertake a project based on their common interest.

For advanced learners, the **Department of Botany** offers the following programs: Conducting state-level seminars/training programmes on advanced topics in Digitalization and documentation of flora, Nan biotechnology, Green house technology implementation in the dry land cultivation, Drug extraction mechanism, students are encouraged with new practical's and motivating by involving them in the field work.

Department of **Statistics** encourages the **advanced learners** to participate in seminars and conducts group discussions and ex tempore lectures by the advanced learners. They are also required to present PowerPoint presentations.

The Department of **Oriental Languages** not only conducts remedial classes for slow learners but also encourages **advanced learners** to write short stories, articles, poems, etc. and also gives them exercises on translations.

For advanced learners, the **Department of Commerce** organizes **training sessions** for Combined Admission Test (CAT) and other competitive examinations. **Self-study assignments** and **projects** will be allotted for **advanced learners** and they are encouraged to take part in research activities.

Advanced learners of the **Department of Economics** are given additional assignments and are required to **browse the Internet** and submit an assignment on the latest information in select topics.

The Department of Commerce encourages **Group-Study** among those who are preparing for **CA and other Bank Examinations** under the supervision of a faculty member. Advanced learners are encouraged to participate in **Seminars** and present papers. They are also encouraged to participate in various **academic completions** conducted elsewhere too. Some of the advanced learners are taken as '**Student Editors**' to upload the content to the web server of **Wikipedia**.

Students of Special English are encouraged to develop **e-content** related to their curriculum. A group of advanced learners have produced **Loyolapedia**, a collection of their PowerPoint presentations covering the entire syllabus of the course. It will be uploaded on YouTube for the benefit of all students of English Literature.

All the Departments of the College have their own 'blogs'- to give additional learning experiences to students. Students themselves can post interesting articles pertaining to their discipline in these blogs. Faculty members also post relevant additional information and lecture notes in these blogs.

2.2.6 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

Andhra Loyola College is implementing the scheme of **Higher Education for Persons with Special Needs Scheme (HEPSN)**. It is intended to meet the primary objective of creating an environment at the College to enrich higher education learning experiences of differently-abled persons. Creating awareness about the capabilities of differently-abled persons, constructing facilities aimed at improving accessibility, purchase of equipment to enrich their learning, etc., are the other three core objectives the College strives to achieve. For the effective implementation and monitoring of the Scheme, an Expert Monitoring Team was constituted, which takes care of realizing the goals and objectives of the Scheme.

I. Enabling Unit for differently-abled persons:

This resource unit was established in the College to develop awareness in the higher education system and also to provide necessary guidance and counseling to differently-abled persons. The Enabling Unit is implementing the following activities:

1. Facilitating **admissions** of differently-abled persons in various courses;
2. Providing **guidance and counseling** to differently-abled individuals;
3. Creating **awareness** about the needs of differently-abled persons and other general issues concerning their learning and
4. Assisting differently-abled graduates to gain **successful employment** in public as well as private sectors.

This special unit is coordinated by a faculty member. An honorary **counselor-cum-placement officer** for the Enabling Unit from among the faculty members of the College also renders the required services. The coordinator and the placement officer also avail the services of experts and personnel for organizing awareness programs, counseling sessions, etc. The Enabling Unit takes up activities related to providing counseling to differently-abled students on the types of courses they could study at the higher education institutions, ensures admissions of as many differently-abled students as possible through the open quota and also through the reservation meant for them. The Unit also gathers orders dealing with **fee concessions, examination procedures, reservation policies**, etc., pertaining to differently-abled persons. It also assesses the educational needs of differently-abled persons enrolled in the College to determine the types of assistive devices to be procured. It also conducts awareness programs for teachers of the College about the approaches to teaching, evaluation procedures, etc., which they should address in the case of differently-abled students. It also studies the aptitude of differently-abled students and assists them in getting appropriate employment when desired by them after their studies. The Unit also celebrates important days pertaining to disability such as the **World Disabled Day, White Cane Day**, etc., in the institution and also in the neighborhood in order to promote awareness about the capabilities of such persons.

2. Providing Access to Differently-abled persons

It has been felt that differently-abled persons need special arrangements in the environment for their mobility and independent functioning. So **an elevator** was erected to cater to the needs of transport from Ground Floor to the II floor of the

North Academic Block. **Ramps** were built at various entry points to facilitate easy movement of the physically challenged students.

3. Providing Special Equipment to augment Educational Services for Differently-abled Persons

Differently-abled persons require special aids and appliances for their daily functioning. These devices cater to their special learning and assessment. So devices such as **computers with screen reading software, low-vision aids, scanners, mobility devices**, etc., that would enrich the educational experiences of differently-abled persons, have been provided.

Activities taken up during the academic year 2010 – 2011

The visually challenged students from degree section are offered **computer training** every day. They learn **MS Office using the special software called Jaws**. This enables them to type out the text independently and also to read the subject using headphones. **Eleven CD players and Audio books from Samritha Trust, Hyderabad** were distributed to them.

Sensitization Program: The Enabling Unit in association with ALPHA (Andhra Loyola Physics Association) organized a **Sensitization Program on Differently-abled persons** on 17th November 2010. This program was aimed at sensitizing the public about the special needs of the differently-abled persons to reach their full potential.

Activities taken up during the academic year 2011-2012

The visually challenged students from degree section are **offered computer training** every day. They learn **MS Office using the special software called Jaws**. This enables them to type out the text independently and to read the subject using headphones.

The 54th International Day for the Deaf celebrations was observed in association with **Deaf EnAbleD Foundation (DEF)**. 300 hearing impaired persons from various districts of coastal Andhra took part and displayed their talents in silence. Sri TKM Sandeep, Chief Executive of DEF, Dr.G.Sahaya Baskaran, Coordinator, Andhra Loyola College, Fr Dr A Francis Xavier, Principal, ALC, Sri TV Gupta, Vijaya Lions Services, and Charitable Trust, Ms TRV Satyavani, Coordinator, DEF took part in the meeting. The speakers at the meeting said that these meetings would create awareness among the public about the sign language and lauded the efforts by IGNOU to launch sign language courses. The speakers called upon the normal human beings to learn a little bit of sign language to make the life of hearing impaired person easier.

Special training on Computer Skills: A special training was organized during **14-15 April 2011** and on **3rd December 2011** for the visually challenged students of our College on the usage of **new software called ‘Open Page’** which enables the visually challenged students to read books using scanners and computers. Mr G. Srinivas from Vijaya Mary Blind School, trained the students. The Visually challenged students enthusiastically participated in the **triennial Arts, Science and Commerce Exhibition held on 9-10 December 2011** under the slogan **‘Come and see our abilities’**. They displayed their abilities and demonstrated to the visitors their way of life, methods adopted to read, write, and teach science subjects.

Scholarship to orthopaedic challenged: The College facilitated **grant of scholarship** to a physically challenged student by LANCO foundation, Vijayawada, which granted Rs 5000/-.

Scribe Assistance: Student volunteers and a few lecturers have come forward to render Scribe service to the physically and visually challenged students during the examinations. The volunteers rendered a scribe service of as many as 360 hours.

Braille Bibles from Bibles for the Blind and Visually Handicapped International, Terre Haute, USA: Bibles for the Blind and Visually Handicapped International provided 16 volumes of Braille version of the Bibles to the visually challenged students of ALC. The Bibles were distributed to the visually challenged students in June 2011. These books helped them to read in their own language that provided the joy of reading.

Activities taken up during the academic year 2012-2013

The College employs new initiatives to provide a supportive environment for the academic growth of visually challenged students. They include reading of newspapers, arranging of volunteers as scribes during examinations, and connecting the NGOs/Governmental agencies with the visually challenged students for obtaining all forms of support.

1. Awareness Press Meet on ‘Educational Opportunities for the Physically Challenged’:

An Awareness Press Meet was organized on **04.04.2012 at ALC**, in order to bring awareness among the public about the **‘Educational opportunities for physically Challenged’**. This meet was addressed by Sr Celine Mary, Principal of the Madonna Special Institute for the Deaf at Gunadala, Sr Anitha, Principal of the Madonna College, Sr Princy, Principal of Vijaya Mary Integrated School for the Blind, Fr Dr Francis Xavier, Correspondent, ALC, and Dr G Sahaya Baskaran, the Coordinator.

2. Special training at Nethrodaya, Chennai

Two of our students, Siva and Jakkar, underwent a **month-long training during May 2012, on special software for visually challenged students** offered by Nethrodaya in Chennai. They learnt the basics of using the Internet and enhanced their skills of using MS Office and other software such as **JAWS and Open book**.

3. Audio format of regular class notes

In this academic year, the number of visually challenged students in the College has risen to nine including two students with MEC group in the intermediate section. As there is a need for providing the audio format of class notes, a new venture was initiated in June 2012. **Regular class notes were read out by volunteers and were recorded using computers under the HEPSN Project**. The audio format of the notes were supplied to the needy students who, in turn, could listen and learn the concepts using play-back devices such as MP3 players, iPods, cell phones, etc.

Activities taken up during the academic year 2013-2014

The College employs new initiatives to provide a supportive environment for the academic growth of the physically and visually challenged students. They include **reading of newspapers to the visually challenged students**, recording, and

supplying of **audio format of notes given in the classrooms**, arranging of **generous volunteers as scribes** during examinations, and **connecting the NGOs/Governmental agencies** with the visually challenged students for obtaining all forms of support.

1. Distribution of MP3 players to Visually Challenged Students: In order to facilitate the audio-recording of the class-room notes and enable the visually challenged students to make use of the same, MP3 players have been acquired through the A.P.Vikalangula Cooperative Corporation (APVCC), Hyderabad, and were distributed to all the visually challenged students during this academic year.

2. International Women's Day – Empowerment of Deaf Women: International Women's Day was observed by the Deaf Enabled Foundation, Vijayawada Chapter, in collaboration with HEPSN, on 24th March 2013. Members of the Foundation, Hearing-challenged women from the city, faculty, and students of Madonna Special Institute for the Deaf, Vijayawada, attended the program. Mrs Satyavathi, an advocate from Vijayawada and Dr G Sahaya Baskaran, Coordinator, ALC, who were the Guests of Honour, impressed upon the participants on the importance of women taking up higher studies and waging a collective-fight against social evils confronting the women. Cultural Programs as well as competitions such as Rangoli added colour to the event.

3. Audio Format of Regular Class Notes: The visually challenged students were provided with the audio-recorded format of class notes to enable them to listen and learn the concepts, using playback devices such as MP3 players, iPods, and cell phones. This system is gradually replacing the traditional Braille system of taking class notes by the visually challenged students.

4. Computer-aided Learning: Visually challenged Degree students were provided with computers and scanners with **pre-loaded software viz. JAWS and Kurzveil** that facilitated their reading of the regular books and enabled their access to Internet resources for learning. The students are trained to make use of such software.

5. Scribes assistance: As many as **250 student-volunteers from UG and PG Sections** have rendered their services as scribes during the examinations for both the visually challenged and the physically challenged students. The volunteers also provided other means of assistance to them, by putting in a **total of 750 hours of scribe assistance**. All the volunteers were presented with a Certificate of Appreciation at the valedictory function of Departmental associations of the College.

6. Scholarships from the Help the Blind Foundation, Chennai: '*Help the Blind Foundation*' an NRI Hong Kong-based Charitable Organization provided scholarships worth **Rs 90,000/- to seven visually challenged students**. The scholarships were distributed to the students at a formal function held on 11th December 2013 by Sri K Balasubramaniam, a Trustee of the Foundation. He conveyed the Foundation's willingness to support more visually challenged students in future to continue their higher education, as its primary objective was to help the visually challenged students to attain higher education with accommodation in hostels. All the officials of the College were present at the function wherein a visually

challenged student, Sk Meharaj exhibited his own way of using computers, the Internet, and other applications using the special software for the visually challenged.

Activities taken up during the academic year 2014 - 2015

1. Scholarships from the Help the Blind Foundation, Hong Kong

‘Help the Blind Foundation’ a Hong Kong-based Charitable organization provided scholarships worth Rs.1,00,000/- to six visually challenged students during this academic year too. The foundation offers more support to visually challenged students in future too to continue their higher education. The Foundation also supplied high-end Angel Reader devices to six visually challenged that are useful to record as well as listen to the audio formats of lessons.

We place on record our heart-felt gratitude to Sri. J.V.Ramani, Foundation Trustee based at Chennai and Mr. Jayananda Raju of Vijayawada for facilitating the linkage between the HEPSN and the Foundation. The gesture of the Foundation paves way for more number of visually challenged students to pursue their higher education in ALC with hostel accommodation, free of cost.

2. Guest lecture on Opportunities for the Physically Challenged’

HEPSN organized a Guest Lecture on ‘Opportunities for the Physically Challenged’ on 6th September 2014 for the targeted group of differently-abled students. Dr.V.Rajasekhar, Associate Professor from English and Foreign Languages University, Hyderabad & Deputy Coordinator, Cell for Disabled, himself a visually challenged person, delivered the Lecture.

3. Leadership Deaf Youth Training

Deaf Enabled Foundation, Vijayawada Branch, organized Leadership Deaf Youth Training on 11th January 2015 in collaboration with the HEPSN. Members of Deaf Enabled Foundation, Hearing impaired youth from various parts of Andhra Pradesh participated. The Resource Persons delivered motivational talks offered and Career guidance.

4. Participation in Science Exhibition

HEPSN Department put up its Stall at the 2-day “Arts, Commerce & Science Exhibition” organized by the College on 1st and 2nd September 2014. Five visually challenged students explained to the visitors the different access devices used for learning. The devices explained are Braille Type writer, Brielle Slate, Tape, ball, Chess used by visually challenged students, Computer and Scanner for text reading and accessing internet. HEPSN’s stall offered the visitors a good learning experience about the abilities of visually challenged students

5. A Certificate course to Deaf Students - Extension Activity

As part of HEPSN's Extension Activity, a Short-term Certificate Course on IT Applications, designed by Dr.G.Sahaya Baskaran, HEPSN Co-ordinator, has been offered to the Students of Madonna College for the Deaf to team them the advanced ICT applications including the advanced applications of MS Office viz. preparing project reports, data analysis and presentation.

Audio Format of Regular Class Notes, Computer-aided Learning and Scribes' assistance through 200 volunteers during the Examinations are the other means of assistance provided to the differently-abled students.

6. **Notable Achievements of HEPSN Students**

- Chiranjeevi a visually challenged alumnus, secured employment as a Probationary Officer in the State Bank of India, during August 2014.
- Siva, another alumnus of B.A., course (2010-13), secured employment as a Clerk in a Nationalized Bank during August 2014

2.3 **Teaching-Learning Process**

2.3.1 **How does the College plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan and evaluation blue print, etc.)**

The College has a **Calendar Committee** to draw the Academic Calendar. It meets at the end of an academic year **to configure the Academic Calendar** for the ensuing academic year. The Academic Calendar details the commencement of class work, examination schedules (both for Continuous Internal Assessment and Semester End Examinations), important academic activities of various departments and also lists out the minor vacations. This Academic Calendar is discussed in the Staff Council and is finalized with necessary modifications, if any. The same is **published in the Calendar and Handbook** distributed to all the students and faculty members in the beginning of the academic year. The Academic Calendar for that academic year is strictly adhered to, conceding for extreme exigencies only.

All the faculty members maintain **Teaching Diary and Lesson Plan Register**. The register records the **Date-wise topics** covered, the **methodology adopted**, the **teaching aids** used, **student activity**, if any. It also records for each paper taught by the faculty member, the objectives of the course, materials and resources, Unit-wise scope, and synopsis. Apart from the Teaching Diary and Lesson Plan, all the faculty members also maintain an **Academic Activity Register**. This register records internal examination details, indicators used to assess student learning and performance, feedback, student attendance particulars, maintenance of CIA and SEE marks, details of student assignments, details of remedial classes conducted for slow learners, record of project works, record of field visits, details of usage of ICT in the classroom, record of academic competitions conducted, extension lectures, seminars, extension work, etc.

2.3.2 **Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?**

Yes. Each Department provides the course outlines during the start of the academic

sessions to students. The course outlines set **course goals**, develop **student learning objectives**, create and align **assessment plans and establish a schedule** for the course. The Course goals help the faculty to determine what is expected from the students, and what the students expect from the course. The Course outlines prepared for each course/paper also highlights the learning outcomes. By setting course goals and student learning outcomes, students are well informed about the material they will be engaged in. The schedule also informs students what is expected of them and provides a timeline of these expectations. Apart from these Course outlines, individual faculty member also maintains a **Teaching Diary and Lesson plan** which also includes the objectives of the Course, materials and resources, unit-wise scope and synopsis.

The effectiveness is ensured by making the submission of the course outlines mandatory by the faculty members handling the respective courses/papers to the Head of the Department concerned. These course outlines along with the teaching plan are forwarded to the Principal for endorsement during the start of every Semester.

2.3.3. What are the courses, which predominantly follow the lecture method? Apart from class room interactions, what are the other methods of learning experiences provided to students?

Lecture method is the predominant method of teaching being followed by all the Departments. However the teaching – learning process is enriched by adopting several interactive and innovative methods of teaching. Though lecturing is the dominant mode of teaching in the classrooms, teachers also employ **interactive strategies** like pair/group work, seminars, field visits, experimental demonstration of theoretical concepts and exhibitions.

Project Work in the final semester is another method of learning experience provided to students. Dissertation and project work also form part of the curricula in the postgraduate courses. To give a real time **Industrial experience** to students, the **Department of Computer Science** makes them do **Live Projects**.

Students of MCA undertake minor projects on various platforms in each semester with enhancements. In Semester VI, the same students undertake a **Major Project for a period of six months** in industries. These major projects are done in three phases, analysis phase, design phase, and development phase. This helps the students imbibe research aptitude and broaden the perspectives of their subject knowledge.

The Departments of Botany, Zoology, Chemistry, Electronics, and Commerce have made field trips compulsory in their curricula. These departments strongly believe that mere activity does not constitute experience. To **‘learn from experience’** is to make a backward and forward connection between what we do to things and what we enjoy or suffer from things in consequence. Under such conditions, doing becomes a trying; an experiment with the world to find out what it is like, and the undergoing becomes instruction, discovery of the connection of things.

The Department of Botany has a **Botanical Garden** on the campus. This botanical garden, with its wide range of plants, is a useful place for students to be able to

observe what they learn theoretically. The Department of Botany has also developed a **Herbal Garden** spread over 30 cents of land where more than 115 rare, endemic, and commercially important medicinal plants brought from various regions of India are being nurtured for cultivation and propagation (55 varieties of herbs, 25 types of shrubs, 15 types of trees and 19 varieties of climbers). Both these gardens give a participatory learning experience to the biology students as they also involve in nurturing and propagating the plants.

Similarly a different and real-time learning experience is provided by the **Herbarium**. It is the only herbarium in Andhra Pradesh which holds collections of Flowering plants and some Cryptogrammic species. The flowering plant collections range from the year 1959 onwards and over 10,000 plant specimens including Grasses, Sedges, Orchids, and other Flowering plants collected from various parts of India such as Ooty, Western Ghats, Tamilnadu, Karnataka, Kerala, Andhra Pradesh. In addition to these collections, 20 prototype materials of the plants identified as endangered species are maintained in this herbarium. All these form reference materials for research and other studies. ALC Herbarium is extensively used by biology students, faculty from other institutions, and researchers for guidance and assistance pertaining to the identification of plants, and plant products, and the distribution and availability of plants in various localities, uses of plants, and other related matters.

Attached to the Herbarium, there is a library containing **literature on Taxonomy** and related subjects, **Collections of wood samples, seeds, fruits, and other natural products** from plants having medicinal properties are preserved in a museum attached to the Herbarium and also newspaper clippings related to plants collected from the last 35 years. The museum also holds **pickled specimens of Algae, Fungi, and Lichens**.

Similarly, the **Museum of Zoology** with a combination of discipline-based knowledge and practical training, helps students gain critical intelligence and the ability to analyze and achieve objectives of studying the systematics. The Museum of Zoology also acquires, conserves, researches, communicates and exhibits material evidence of people and their environment, for purposes of study, education and enjoyment.

Gordon Library – the College library - is yet another avenue of learning available to the students. It is kept open from 8:30 am to 5:30 pm. Even during the College hours, if a lecturer applies for leave and his/her classes are not adjusted, instead of letting the students off, these free hours are converted into library hours.

The students in the process of learning have access to the **audio-video visual aids**. A sophisticated **ICT exhibit unit** has been established in the College, equipped with state-of-the-art home-theatre facility. Historical documentaries and English classics are screened for the students of History and Special English courses.

The **e-Learning Center** established in the Library with 20 systems is yet another source of learning beyond the classroom interactions. Students can freely access the Internet for writing their assignments and for collecting relevant data for their project works.

The College brings out **2 newsletters annually**. Many students with a flair for journalism are taken on as student-editors. They develop not only their English but also their journalistic abilities. They also learn techniques of editing from the staff-editors with whom they work. Since the magazine also comprises many informative articles, the readers are enlightened on several topics of academic interest.

The **Department of English** apart from the classroom interactions conducts pair-works, group discussions, seminar presentations, mock-interviews and assignments.

The Department of Oriental Languages adopts '**action method**' in teaching drama.

All the Departments of the College have their own '**blogs**'- to give additional learning experiences to students. Students themselves can post interesting articles pertaining to their discipline in these blogs. Faculty members also post relevant additional information and lecture notes in these blogs.

The **Department of Mathematics** operates a group e-mail id, '**deptmathalc@yahoogroups.com**' wherein any student who is interested in Mathematics can join this group and exchange their ideas, interesting articles, etc.

The **Department of Physics** supplements its classroom teaching of abstract concepts like electricity, magnetism, models of the atom, zero gravity conditions, patterns of interference and diffraction by way of simulation exercises using computers. It also adopts the novel idea of '**Learning through Cartoons**'.

The **Department of Commerce** promotes independent learning beyond classroom learning by giving students challenging assignments that test the learning skills of the students. The students also take-up '**case studies**', field-trips, commerce festivals, seminars and inter-collegiate programs to enrich their classroom learning.

Study tours form an integral part of curriculum, apart from classroom teaching for the **students of Arts**.

The **Department of History** organizes '**Pale Tourism**' (tourism to villages) to the students of History to learn various aspects of rural life and historical significance of those villages.

The **Department of Animation** uses **workshop techniques**, supplementing their teaching methodology. Workshops in **clay modeling** and **sculpting** are conducted periodically.

The **Department of Visual Communication** employs **street plays**, **flash mobs**, **mobilography** and **internships** to provide a different learning process to students.

The **Department of Botany** promotes independent learning beyond classroom learning by giving on line submission of the student projects, Assignments, syllabus, all the student and staff activities, all the notices are placed in the blog for easy communication

The Department of Ethics and Religion organized study tours to religio-social centers such as Puttaparthi and to Koya tribal areas in V R Puram Mandal, East Godavary district.

2.3.4 How is ‘learning’ made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

Learning is made **student-centric** at ALC by experimenting with new teaching-learning and evaluation methods over the years. The staff is adequately trained in the use of the **‘Ignatian (Integrated) Pedagogical Paradigm’** in the classroom for involving learners in the teaching-learning process. It involves the steps of **Context, Experience, Reflection, Action, and Evaluation.**

- This not only promotes **involvement of the learners** by relating what they have learned to actual experience but also encourages various skill of reflection such as analysis, synthesis, application, and evaluation.
- The whole pedagogy provides the **learners with an intrinsic motivation** to learn. This process makes learners perceive the relevance of what they learn. It also makes use of their skills of reflection and evaluation.
- This pedagogy further provides the learners with a framework within which they can make **appropriate value choices.**
- Thus this pedagogy promotes not only learners’ involvement but also **infuses values** into the curriculum.
- Apart from this pedagogy, peculiar to our way of teaching-learning, we also **adopt other methods** to keep the learner actively engaged in the classroom such as task-based and problem-solving exercises in the classroom. We thus go beyond the texts proposed and make the learning student-centric.
- We further depart from the customary chalk-and-talk method by encouraging students to present seminar papers as part of the assignment component in the Continuous Internal Assessment (CIA) and involving them in role-plays and case-study analysis.

Another important strategy adopted by the College to ensure **participatory learning** is **Workshop-based learning.** Most of the departments make use of this strategy to promote participatory learning. Selected papers are not merely taught in the classroom but are also through a workshop in that subject-area. This ensures the active participation by the learners. To cite a few examples,

- The **Department of Zoology** makes it mandatory workshop-based learning to teach the skill-based elective, **“Ornamental Fishery”** for students.
- The **Department of Statistics** also uses the same strategy in teaching the paper **“Exploratory Data Analysis”.**
- **B.Voc. Program, Paramedical and Hospital Administration** also makes workshop based-learning for papers like **“Hematology”** and **“Clinical Biochemistry”.**
- **B.Voc. Program, Renewable Energy Management** uses the methodology in teaching the paper, **“P.V. Technology”.**

- The **Department of Animation** also employs **workshop-based learning** as a part of their teaching strategy. Workshops on **clay-modeling** and **sculpting** are regularly conducted.
- The **Department of Botany** makes it mandatory workshop-based learning to teach the skill-based elective, “HORTICULTURE” Inter and Intra Collegiate workshops conducted to explain the skills and hands on training in Horticulture paper.

The other participatory learning activities adopted by the faculty towards holistic development of the student include:

- Assignments, Seminars
- Group discussion
- Library Reference
- Guest Lecture
- Attending State/National, Conferences, Workshop
- Individual and team paper presentations

For lifelong learning experiences and knowledge management, the College has started **Andhra Loyola Open Online Courses (ALOOC)**, supplementing the regular curriculum. Under this system, courses are offered online which can be taken up by anyone. Registration for the courses, course content, etc., are free of cost and the learners and the faculty will have online interaction through various channels including Blogs, Twitter, Facebook, email, etc. The Online Courses are offered as per the choice of the faculty or as per the requirement of the learners. The targeted clientele are anyone including our own students. For these **ALOOC courses**, the course content is provided in PDF format and video-recorded lectures/video lessons are also made available for the learners. Faculty offering the Online Courses are available for online interaction with the learners during specified periods. Mode of examination, evaluation, and certification is online exam/assignment/project work or a written exam, the last being the least preferred.

WIKIPEDIA:

A separate URL has been created for ALC in the Wikipedia Website to upload all the articles created by ALC staff and students: <http://bit.ly/1ySLPyt>

Humanity world over is on the cusp of a tectonic shift in the production, consumption, and dissemination of knowledge. This warrants changes in frameworks of looking at knowledge, information, and data in the digital era at multiple levels and by multiple players including students, academics, entrepreneurs, researchers, civil society, universities and the State. Within this context of the digital turn, openness and transparency have gained newer significance, especially FOSS-related awareness and usage. On the other hand, emerging participatory knowledge creation models of openness are increasingly pushing us to look beyond the traditional ones.

ALC is the **only college in South India** to have signed a MoU with CIS-A2K, Bengaluru. This unique MoU has enabled the staff and students of ALC **official editors and contributors of Wikipedia**. Students from the departments of Botany, Telugu, Physics, Chemistry, Statistics, Management, Ethics & Religion and Music &

Dance participate in this program, the first phase of which will run for a period of 6 months as per the Agreement. Students from the above streams have been trained to edit Wikipedia contents and work closely with the larger Wikipedia community to qualitatively and quantitatively improve Wikipedia. They are expected to work on **1000 essential articles** and create or improve articles both in English and Telugu. Apart from this, students from the Department of Telugu are **digitizing the works of prominent writers** like Kandukuri Veeresalingam, Fr Jojayya, SJ, Fr Kishore SJ, Dr Job Sudarshan and others. This is a great value addition to the online digital content in Telugu. In the course of the work, students will also learn how to type in Indian languages, how to resolve clashes in points of view and how to participate in community discussions online.

Free software in Telugu Wikipedia

Several computers in the lab have been converted to use free and open source software. This will enable students to be up-to-date with the latest technology and use FOSS tools in their daily lives. Students are becoming part of a bigger open source movement.

Main Objectives of this Endeavour:

1. Open Source to Open Knowledge
 2. Access, Open Content, Open Data and Open Educational Resources
 3. Building Knowledge Bases and Platforms via Mass Collaboration on the Internet
 4. Wikipedia Production Sprint: Demonstration and hands-on training on editing
 5. E-content in Indian languages
 6. Wikipedia Users to Wikipedia Authors – Exploring Wikipedia as an OER Tool
- The College has also organized a six days Wiki Winter Camp for advanced learners of various departments from 26th to 31st December, 2014 in collaboration with Centre for Internet and Society (CIS-A2K) based at Bangalore. They were trained to be the contributors for Wikipedia and are authorized to add, edit, and delete articles in Wikipedia using the validated user ids created during the camp. At the end of the camp, the students have, contributed 108 articles in Physics into Telugu Wikipedia. The Students of Special Telugu have digitized the classical works of Kandukuri Veerasalingam. His works are digitalized and are now available as open access contents, for those who search his works around the world. These articles are scrutinized by experts from other parts of the world and are accepted on permanent basis.

Links to these works:

www.te.wikipedia.org/wiki/WP:ALC-PHY

www.te.wikipedia.org/wiki/WP:ALC-TEL

The Students of **Botany department** published 80 articles regarding the important medicinal plants which are not available in the wiki sources and edited by Dr. B. Siva Kumari and other experts from other parts of the world and are accepted on permanent basis

2.3.5 What is the College policy on inviting experts/people of eminence to provide lectures/seminars for students?

The Board of Studies of each department during its annual meeting identifies the experts in the relevant field for delivering Guest Lectures. The faculty members are

encouraged to invite foreign experts as and when they happen to visit the State of A.P. To cite a few examples of the experts/people of eminence delivering lectures/seminars for students during the last four years:

2010 – 2011

The Department of Computer Science organized a motivational talk for the final year students on 7th July 2010. Sri P.V. Krishna, Managing Director, Global Commodities, CITI Group Energy, Texas, gave a talk on “**Success in Career**”.

The Department of Physics organized a guest lecture on “**Research Avenues in Non-crystalline Materials**” on 12th July 2010. It was delivered by Prof. Manuel de Almeida Valente, Dept. of Engineering Physics, University of Aveiro, Portugal.

The Department of Political Science organized a guest lecture on “**Making of US Foreign Policy**” on 14th September 2010, delivered by Ms. Juliet Wurr, Public Affairs Officer, US Consulate, Hyderabad.

The Department of Statistics organized a guest lecture on “**Application of Probability**” on 29th September 2010, delivered by Prof. P. Venkata Rao, Reed College, Oregon, USA.

The Department of Commerce organized a guest lecture on “**Opportunities in Management studies**” on 4th October 2010 by Sri Siva from Indian Business School (IBS) Hyderabad.

2011 – 2012

The Department of Political Science organized a Guest Lecture on “**Contemporary Global Problems and Their Solutions**” by Associate Professor I.L. Narasimha Rao, Department of Political Science, Osmania University on 21st June 2011.

The Department of Comp. Science organized a Technical Talk on “**SAP Applications and its Modules**” for the final year students by Sri B.V. Suryanarayana, SAP-BASIS Consultant, on 23rd June 2011.

Prof. Michal from JD University, Poland, gave a Talk on “**Non-linear optical properties of some glass materials**” to the PG and UG students on 9th August 2011.

Mr. M.D. Warriar, Founder Director/General Manager of Bin Eid International Executive Search and Placement, UAE, gave a Talk on “**My Global Career**” on 6th September 2011. The talk followed by an interactive session with the students was organized by The Hindu Business Line Club, a campus interface of the Corporate World as part of a series of programs being presented by Tata Photon.

The Department of MCA organized a Guest Lecture by Mr. Robert Othera, a Soft Skill Trainer who gave a talk on “**The Importance of Communication and Soft Skills**” on 12th September, 2011.

The Department of Chemistry organized a Guest Lecture on “**NMR Spectra and its Interpretation to solve structural problems**” delivered by Prof. T .Ramalingeswara

Rao, Professor & HOD, Banaras Hindu University, Varanasi, during September, 2011.

The Department of MCA organized a Guest Lecture with Sri Mallikarjun and Sri Mahesh from SRM University, Chennai, as Resource Persons on 16th November 2011. They gave a lecture on “**Which discipline has to be chosen for Projects?**”

The PG Department of Physics organized a Guest Lecture on “**Indian Space Missions for Astronomy and Astrophysics**” delivered by Sri Venkata Suresh “Indian Institute of Astrophysics” Bengaluru, on 7th January 2012.

2012 – 2013

The Department of Botany and Microbiology organized a guest lecture on 30th June 2012 on the topic “**Recent Trends in Molecular Biology**” delivered by alumnus Dr D.V.N.Sudheer, Dept. of Chemical and Biochemical Engineering, Visiting Professor, Dongguk University, South Korea. The students of III B.Sc. (Botany, Chemistry, Zoology and Microbiology) and the faculty of life sciences attended the lecture.

The Department of Mathematics organized a Guest Lecture on 14th August 2012 on the topic “**Certain Algebraic Structures**”. Dr.K.Syam Prasad, Associate Professor, Department of Mathematics, Manipal University, Manipal, Karnataka State, was the Resource Person.

The Department of Library and Information Sciences in collaboration with the Department of Physics organized a guest lecture on “**e-Journals and Its Usage**” on 16th August 2012. Sri T Ashok Babu, Scientist, ASL-DRDO Laboratories Ltd., delivered the lecture.

The Department of MCA conducted a Guest Lecture by Rev Fr K Alexander on the topic “**Religion and Spiritual Values: Importance to Human Growth**” on 18th January 2013 for all MBA and MCA students and faculty members.

2013 – 2014

The Department of Visual Communication organized a Guest Lecture on **Film Photography** on 30th July 2013 for the final year students of UG and PG Visual Communication Department, which was delivered by an alumnus and well known film photographer, Mr. Anoop.

The Department of MCA organized a Guest Talk on “**Trends in IT industry**” on 12th October 2013. It was delivered by Mr. John Wilson, Developer in TCS, Bengaluru, who focused on the challenges and opportunities that were available in the IT industry.

The Department of MCA organized a Guest Talk on “**Cloud computing**” on 5th November 2013. It was delivered by Mr. Mansoor Atif, from TCS, Bengaluru.

The Department of Physics organized a Guest Lecture on “**Career opportunities in Research**” on 3rd December 2013 which was delivered by Dr. G.Venkata Ramaiah, Post-Doctoral Fellow, Aviero University, Portugal.

The Department of History organized a Guest Lecture on “**History of Indian Art**” on 24th February 2014, delivered by Sri DV Ramana Murthy, National Institute of Tourism & Hospitality Management, Hyderabad.

The Department of Botany in collaboration with the N.G.C. organized a Guest Lecture on “**Yuvatha-Jala Bhavitha**” on 29th December 2013. Mr.A.Varaprasada Rao, Deputy Director, Ground Water Department, Govt. of A.P., Vijayawada, the Resource Person, delivered the talk.

2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.

For making the teaching-learning process more learner-centered and dynamic, the College has **integrated Education Technology** fully into the curriculum to further the learning objectives. Students and teachers are able to select Education Technology tools to obtain information, analyze, synthesize, and present them professionally. Thus, Education Technology becomes an integral part of the teaching-learning process.

To facilitate this, a central **Information and Communication Technology Center** (ICT Center) with facilities like computers, multimedia tools, audio-visual equipment and Internet facilities has been established. The Center has both production and viewing facilities. This Center has been established with state-of-the-art facilities for production of multimedia lessons. **25 of the lecturers** have been trained in flash programs in order that they may take to **e-content** teaching methods. All the staff members have been trained to prepare PowerPoint presentations in their respective subjects. Regular in-service-retraining programmes for the staff are during the October and March (Examination for Students) organised on the topics such as Creating blogs, Excel macros and Using of ICT tools for teaching & research

The **Department of Zoology** uses **virtual laboratories** to supplement their dissections. Most of the faculty members use the different e-learning and open educational resources to supplement their classroom teaching.

The **Department of Botany** has a **Digital Herbarium**. Herbarium specimens are accompanied by information on where and when they were collected, by whom, their current identification, and information on habitat and associated species. So far, approximately 45 per cent of the specimens housed in ALC herbaria have been data-based. This data form a valuable resource for a wide range of stakeholders, including students and researchers of biology. At College level in the entire state ours is the first digitalized herbarium.

Website: <http://alcdigitalherbarium.co.in/news.html>

The **e-Learning Center** established in Fr Gordon Library maintains a list of open educational resources and has facilities for using e-learning and open educational resources.

The campus is **Wi-Fi-enabled** and so staff and students can easily download information from open educational resources as and when they require.

The **English Language Laboratory** brings in the element of practical approach to language learning. This Lab has 54 computer workstations with a monitoring console and runs two different soft wares – ‘**RENETE MULTIMEDIA**’ and ‘**STUDY SKILLS**’. The English Language Laboratory also provides Mobile App for honing up the skills of phonetics.

The Department of Botany has a **Digital Herbarium**. Herbarium specimens are accompanied by information on where and when they were collected, by whom, their current identification, and information on habitat and associated species. So far, approximately 45 per cent of the specimens housed in ALC herbaria have been data-based. This data form a valuable resource for a wide range of stakeholders, including students and researchers of biology.

The Department of Visual Communication took up ‘**Expedition Teaching**’ wherein students were taken on expeditions to nearby forests and hills for imparting practical training in still photography, aerial view shoots and video recording.

ALC has set-up **5Smart classrooms** to enhance the quality of teaching and learning. The tools used in these classrooms transform an ordinary classroom into a smart classroom through the incorporation of the latest technology and makes teaching more effective and impressive. The tools used include:

1. Clarity MI Board: It converts any surface into an inter-active whiteboard. It can take the total control of the mouse and keyboard.
2. Wireless Digital Interactive Whiteboard combined with wireless RF technology.
3. Clarity-visualizer: The visualizer is the most useful tool for projecting 3D objects, any teaching materials, specimens, etc.
4. Clarity Waistband Amplifier: Designed for use in meeting rooms, classrooms, lecture halls, etc. and anyone who needs to amplify sounds so as to be more audible for a group or classroom.
5. Clarity- Lectern: It has an attractive public address podium that features an all-in-one design. A flexible gooseneck microphone and a lamp are provided as well.

2.3.7 Is there a provision for the services of counselors/mentors/advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.

The College has **TWO full-time professional and well-trained Counselors** on the regular rolls. Separate offices have been provided for man and woman counselors.

ALC has a **Student-mentoring system** for the academic, personal, and psycho-social guidance of students. **Student-mentoring** in ALC is defined as a “sustained one-to-one relationship between a caring adult and a youth who needs support to achieve academic, career, social, or personal goals” over a prolonged period of time.

The mentor provides consistent support, guidance, and concrete help to a student who is in need of a positive role model. Students involved in the mentoring program may be going through a difficult and/or challenging situation, a period of life in which they need extra support, or they may simply need to have another significant adult present in their lives. The goal of student-mentoring is to help students to gain the skills and confidence to be responsible for their own future. The “**planned mentoring**” program being followed at Loyola is a way of relationships in which a student, the ‘mentee’, is matched with a mentor (lecturer) through a structured program with specific objectives and goals in mind. The mentoring system at Loyola has a three-pronged approach:

1. **Educational or Academic Mentoring** focusing on improving students’ overall academic achievement, raising students’ grades, improving attendance, and curbing dropout rates.
2. **Career Mentoring** helps youth develop the skills needed to enter or continue on a career path, providing students with a role model who can familiarize them with the world of work and offer guidance and support as they prepare themselves to leave the College for work or higher education.
3. **Personal Development Mentoring** supports youth during times of personal or social stress and provides guidance for decision making. While the above two approaches may foster improved academic performance, this approach focuses primarily on improving student’s self-esteem, behavior, and decision making ability, reducing high risk behaviors such as gang involvement, premature sexual activity, criminal activity, and drug and alcohol abuse, and introducing students to social, cultural, and recreational activities they may not previously have experienced.

Each lecturer called ‘**the mentor**’ is assigned a batch of 20 – 25 students. The Mentor meets his/her batch of students and counsels them in their academic, personal, and career planning. The mentor meets the students every semester and records the meeting particulars in the ‘**Log-Book**’ specifically designed for the purpose. It is mandatory for all faculty members to act as mentors and all students benefit through this exercise.

2.3.8 Are there any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Apart from the above-mentioned distinct pedagogy, characteristic of the teaching-learning in Jesuit institutions, we also adopt other methods to keep the **learner**

actively engaged in the classroom such as **task-based and problem-solving sessions** in the classroom. We thus go beyond the texts prescribed. We further depart from the customary chalk-and-talk method by encouraging students to present **seminar papers** and by involving them in **role-plays and case-study analysis**. Each student in the VI semester is required to undertake a **Project-Work** which is compulsory and has an allotment of 100 marks. This enhances the experiential learning and project-based learning of the students.

The oriental languages adopt strategies like **drama/skit** method of teaching and the **bhajan method** in the form of songs. The prose lessons are taught by dramatization of subject matters. Students are also introduced to different literary genre and cultural art forms from time to time through **seminars and stage performances**. They are further trained and encouraged to make use of the same to give expression to their creativity.

The abstract concepts in **Physics** are explained through **cartoons, diagrams and charts**. The department also conducts **computer-simulated practicals**. Similarly, the departments of Botany and Zoology use **Microscope Image Projection System** for demonstrating the histology slides and of microorganisms. For better understanding of taxonomic features, the **Department of Botany** has introduced a novel scheme – **“Learn-A-Plant-A-Day”** by which a live or herbarium specimen of a plant is displayed on the notice board along with the details of name, family description, identifying features, etc.

The departments of History, Political Science and Economics include **brainstorming sessions and debates on contemporary issues** in their teaching-learning process to promote active involvement of the learners. The young teachers are introduced through orientation programs to different types of classroom interactions such as **Student → Text, Teacher → Student, Teacher → Class, Student → Student, Student → Group interactions**. They are given various assignments to promote these interactions in the classroom. Apart from classroom teaching-learning and outdoor experiences, students are enabled to learn by themselves to **promote** the habit of **self-study**. The component of assignment in the internal evaluation makes them consult reference books and periodicals in the library and browse the Internet.

Field trips and study tours also enhance the experiential learning of students. The **Department of Visual Communications** requires their students to shoot **short films** as part of their regular training to enhance and demonstrate their experiential knowledge.

Retraining of Faculty in e-content Development: The Departments of Physics and Mathematics organized a week-long UGC-sponsored National Workshop on **“Retraining of Faculty in e-content Development”** during March 18-23, 2013. The workshop was designed to provide participants with an opportunity to improve their e-Content development skills, to engage in hands-on training program to convert existing courses in subjects that they teach into e-learning format and produce e-learning DVDs. The workshop was training-cum-production type, involving lecture-cum demonstrations, interactive sessions and hands-on practice. The objectives of the training program included a) Instructional Design Principles; b) Introduction to e-learning concepts; c) content rendering and structuring and d) practical, hands-on e-Content Development. The impact of these different methods of teaching was

analyzed through the performance of students in the internal examinations. The E-content developed by our lecturers are uploaded into you tube. Source: <http://alcpphysics.blogspot.in/2013/08/e-resources.html>

The Department of Botany organized a Two Day National Workshop on "Learning Management Systems- E- Content Development for Faculty members in collaboration with Wikipedia

A two-day National Workshop on "Knowledge and Openness in the Digital Era" has been organized in association with the Bangalore-based Centre for Internet and Society (India) on 24th & 25th June 2014 to empower the participant-faculty members to have a comprehensive understanding of the changes that are brought by the digital technology to the knowledge domain. Forty nine faculty members from different parts of the Country including from the host College participated in the workshop. The Resource Persons acquainted the participants with various methods of article-writing, editing and uploading them into Wikipedia. They also explained the QR code-generating mechanism for the plants and scientific tools in various disciplines of science.

Faculty members are encouraged to use innovative methods of teaching and are publicly acknowledged during official functions of the College. During the Annual Day Celebrations, they are also awarded Appreciation Certificates by the Principal.

2.3.9 How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?

The various Departmental Associations take up various activities to create a culture of instilling and nurturing creativity among students by way of conducting **student seminars and workshops**. Students are encouraged to present scientific papers in these workshops. Most of the departments also conduct their annual academic meets and also conduct state-level quiz competitions. To cite quite a few examples:

The Department of Statistics conducted a Seminar on 9th August 2010 on the topic "**Applications of Probability in Modern Algebra**". Prof. P.Venkata Rao, Dept. of Mathematics, Reed College, USA was the resource person. In his address, Prof. Venkat Rao spoke about '**Basic ideals of probability concept**', and '**Use of probability in calculating the coefficients in polynomials of Unique Factorization Domain**'.

The PG Departments of Botany and Biotechnology organized a one day seminar on "**Bio-transformation**" by Sri Prem Kumar, Chennai, and "**Bio-fuels**" by Sri Srinivasa Reddy, KL University, Vijayawada on 30th August 2010.

The Department of Physics organized a state-level Student Seminar on "**Environmental Physics**" on 2nd December 2010. The Chief Guest for the Valedictory session was Prof. Ibrahim Khan, Director, IIIT, Nuzvid. Dr Khan advised the students to explore the possibilities of using their knowledge and skill for the rural development.

The Department of Chemistry organized a **National Quiz** for students during 4th and

5th of December, 2010. Mrs. Anila Vijay Kumar and Ms. Rajeswari were Quiz Masters. During this, a **national rapid titration competition** for students was conducted. Dr. G.S.Sastry, Dr.G.V.Ramana and other faculty members were co-coordinators and judges.

The Department of Chemistry organized a national seminar on the topic, **“Insight into Green Chemistry”** during 6th and 7th December, 2010. Dr.B.Venkateswara Rao, H.O.D., Dr.M.Venkateswara Rao (Chairman), Dr.G.Subrahmanya Sasthry, Dr.G.V. Ramana and Prof. B. Kesavarao of Acharya Nagarjuna University were judges for the same.

The Department of Botany & Microbiology organized a national Seminar **Environ-2011** on 20th January 2011 for the staff and students of colleges within the State and other States of the country.

The Department of Electronics has conducted a two-week training program on **“Home Appliances Mechanism”** for second year students who opted for Electronics as the General elective. In all, 32 students benefited by this program.

The Department of Commerce in collaboration with Indian Overseas Bank organized a 2-day **UGC-sponsored National Seminar** on **“Insulating India from Global Banking Problems: Issues and Challenges”** on 11-12th January 2012. Prof. K.Viyyanna Rao, Vice Chancellor, Acharya Nagarjuna University was the Chief Guest. Sri SaurabhNath, AGM, Reserve Bank Staff College, Chennai delivered the key note address. Sri U.N.Yadagiri, Chief Regional Manager, Indian Overseas Bank, was the Chief Guest at the valedictory held on 12th January 2012. All the officials of the college, faculty, and students of Commerce Department were present at the seminar.

A summer project was organized during 16-28 April 2011 by Dr.G. Sahaya Baskaran to download videos of lectures related to various topics in physics. This includes **MIT lectures and IIT lectures through NPTEL project**. First and second year-students worked on this project and helped in downloading the video lessons.

The PG Department of Botany and Microbiology organized a one day seminar on **Immunotherapy** on 9th September 2011.

The Department of Electronics conducted **intra-collegiate Debate Competition** on the Topic, **“What India has done since Independence – Promise for future?”** on 16th August 2012. Ten teams from various departments participated in the competition.

The Department of Physics under the aegis of ALPHA conducted a seminar by Dr. Ch. Srinivasu, Reader in Physics, ALC on **“Basics of Physics”** on 18th August, 2012 for second year Physics students to acquaint students from Telugu medium background with terminological terms of Physics and Mathematical expressions involved in Physics.

Department of Botany and Microbiology in association with the Ground Water Department, A.P., organized a one-day Seminar on Conservation of Natural Resources on 27th August 2012.

The Department of Computer Science organized a workshop for the final year students on “**Hardware Assembling, Software installation and Troubleshooting**” on 3rd September 2012.

The Department of Botany organized Ayurvedic Summit on 9th September 2012. Fifteen ayurvedic doctors and eight pharma company representatives took part in the summit and they explained the importance of the cultivation of medicinal plants as well as the need of extraction of the drugs from the plants. The participants, who visited the herbal and botanical gardens on the campus, appreciated the management and Department of Botany for maintaining rare and endangered plants

The Department of Electronics conducted **TECHNOSIS 2012-13**, a State-level Electronics Quiz and Paper Presentation Competition on 04.12.2012. Nearly 60 students from various colleges across the State participated in the event.

The PG Department of Physics organized a seminar on the topic “**Tensors**” on 23-24th August 2013 for the first year students. They also organized a seminar on the topic “**Nano science and Nano materials**” on 12th September 2013

The Department of Electronics organized a 2-day workshop on “**PC Hardware & Troubleshooting**” on 3-4th September 2013. Final year students of B.Sc. Electronics attended the workshop and were acquainted with Computer hardware, Motherboards, SMPS, printers, Display Units and Antivirus Software Installation. The students also did practicals on Real Time Computer Problems.

The PG Department of Physics organized a seminar on the topic “**Thin Film Technology**” on 24th October 2013.

The Department of Computer Science organized a seminar on “**Cloud Computing**” for the final year B.Sc. Computer Science students on 12th November 2013.

The Department of Commerce organized a seminar on “**Capital Market Awareness**” on 21st December 2013.

The Departments of Botany & Microbiology organized a one day Seminar on the topic “Ecological Consequences for Sustainable Development” on 22nd July 2014.

Department of Botany organized a One Day Seminar on "The role of Medicinal Plants in Reducing Pollution," as a part of the Environmental Awareness week on 28th August, 2014.

Department of Botany Organized a one day seminar on ENVIRON-2014, On the Eve of World Ozone Day on 16th September, 2014, in association with A.P forest department for the degree students. Department of Botany, Organized a two day UGC sponsored National Seminar on Sustainable Environment through Green Energy on 27th and 28th Feb, 2015

2.3.10 Does the College consider student projects a mandatory part of the learning program? If so, for how many programs is it made mandatory?

- * Number of projects executed within the College
- * Names of external institutions associated with the College for student project work
- * Role of the faculty in facilitating such projects

Student projects are **mandatory for all**. All the final year students have to do a **group project** in one of the major courses of study. The Project work carries **100 marks with both internal and external evaluation and viva-voce**.

Besides this, all final year students undertake **individual project work**. Students are sent to various industries of their respective fields to complete their project. The Dept. of Telugu sends its students to **vernacular dailies** for their project work. Dept. of Commerce is associated with different **trade houses and industries** for conducting the student projects. The Department of Zoology conducted one of the project works in collaboration with the **Dept. of Sericulture, Govt. of A.P.**

All faculty members act as Project Guides for the Project works. They help students in identifying their problem area, help them in gathering relevant literature and designing the project and periodically monitor the progress of the project work.

2.3.11 What efforts are made to facilitate the faculty in learning/handling computer-aided teaching/learning materials? What are the facilities available in the College for such efforts?

For making the teaching-learning process more learner-centered and dynamic, ALC has integrated education technology fully into the curriculum to further the learning objectives. Students and teachers are able to select education technology tools to obtain information, analyze, synthesize, and present them professionally. Thus, education technology has become an integral part of the teaching-learning process.

To facilitate this, a central **Information and Communication Technology Center** (ICT Center) with facilities like computers, multimedia tools, audio-visual equipment and Internet facilities has been established. The Center has both production and viewing facilities. The ICT Center has been established with state-of-the-art facilities for production of multimedia lessons. 25 of the lecturers have been trained in flash programs in order that they may take to e-content teaching methods. All staff members have been trained to prepare **PowerPoint presentations** in their respective subjects.

An air-conditioned Audio Visual Room has also been established with home theater facility and LCD panel connected to a mega television. The theater is being used by all the sections of the College for all their regular seminars and for specific subject sessions. **The Internet facility** provided in the Faculty rooms helps them to surf the web to prepare their class assignments and to update their knowledge.

Retraining of Faculty in e-content Development: The Departments of Physics and Mathematics organized a week-long UGC-sponsored National Workshop on “**Retraining of Faculty in e-content Development**” during March 18-23, 2013. The workshop was designed to provide participants with an opportunity to improve their e-Content development skills, to engage in hands-on training program to convert existing courses in subjects that they teach into e-learning format and produce e-learning CDs. The workshop was training-cum-production type, involving lecture-cum demonstrations, interactive sessions and hands-on practice. The objectives of the training program included a) Instructional Design Principles; b) Introduction to e-learning concepts; c) content rendering and structuring and d) practical, hands-on e-Content Development.

Center for Continuous Learning and Research conducted a training programme for the faculty members on “Creating a Blog for Yourself” on 1st December 2013.

2.3.12 Does the College have a mechanism for evaluation of teachers by the students/alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?

Periodical evaluation of teachers by the students is taken up by the administration. The evaluation proformas are analyzed and Fr Principal as the academic head interacts with individual lecturers and appraises them about areas of improvement.

2.3.13 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes, elaborate on the challenges encountered and the institutional approaches to overcome these.

Every academic year, ALC prepares its annual academic calendar well in advance and publishes it. The individual departments are also required to prepare their semester-wise academic plan. So there is no problem in completing the curriculum within the planned timeframe and calendar. As the College has adopted **Day-order system**, even if one or two days are lost, it will be adjusted. Each semester should have **90 instructional days** i.e. 15 weeks of 6 working days (excluding days of tests/examinations) and any violation in this regard has to be ratified only by the Governing Body of the College.

2.3.14 How are library resources used to augment the teaching-learning process?

The expansion of Fr Gordon Library in terms of books and Journals, infrastructure and users is an ongoing process. Journals and infrastructure are augmented in tune with the growing number of users. During the academic year 2013 – 2014, an addition of a wide range of books on subjects varying from textbooks to religious literature formed part of expansion. This year’s addition of **1200 books** to the existing collection included subjects like Food Technology, Music, Dance, Indian Folk Arts, Computer Animation, & Bio-Informatics. **162 Journals & Magazines** have been renewed this year. An amount of **Rs 3, 60,000/-** has been spent on purchasing books

and renewal of magazines for the UG Library. A total of **499 books** including important books on Competitive Exams and General English have been acquired for PG Library at the cost of **Rs. 1,71,092/-**. **45 national & international journals & magazines** have been renewed in the PG Library at a cost of **Rs. 1,13,310/-**.

To keep pace with the emerging digital advances, our library also stepped up its continuous efforts to upgrade and update the existing facilities. The E-learning Center has been strengthened with **digital server with digital books and journals** (both international & national) covering all disciplines.

2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used classroom environments and the effect on student performance.

An **annual academic audit** is conducted to monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environment and the effect on student performance. A review of the above mentioned is done **semester-wise** by Fr. Principal and the same is evaluated as the annual academic audit at the end of the academic year. From this academic year, this is going to be done **twice a year**.

2.4 Teacher Quality

2.4.1.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the State?

The faculty strength of the College is 198, out of which 56 are under grant-in-aid and the remaining 142 are management staff. All the positions are filled against the sanctioned strength. 13 faculty members are from outside the State.

2.4.2 How are the members of the faculty selected?

The College is a recognized **minority institution**. The members of the faculty are selected as per the norms governing the minority institutions. Eligible applicants are required to take a **diagnostic test** in their respective subjects and are short-listed based on their performance. A **Selection Committee** consisting of the Correspondent and the Principal of the College, the Head of the Department concerned and a Subject expert further short-list the candidates after an **oral interview**. Then the short-listed candidates are required to take a **demonstration class**. Based on the marks obtained in the oral interview and the feedback obtained from the students in the demonstration class, the final selection is made.

2.4.3 Furnish details of the faculty

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			10	00	24	06	40

M.Phil.			00	00	21	09	30
PG			00	00	41	25	66
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

2.4. 4. What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that, what percentage of teachers is with PG as highest qualification?

UGC-NET cleared	SLET cleared	PG only
7.0%	10.0%	54.0%
3.4%	4.8%	

2.4.5 Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.

S NO	Departments	% of faculty who are products of the same College	% of faculty from other Colleges within the State	% of faculty from other States	% of faculty from abroad
1	English	38	62		
2	Telugu	43	57		
3	Hindi	0	100		
4	Sanskrit	0	100		
5	Statistics	14	86		
6	Maths	28	67	5	
7	Physics	18	76	6	
8	Chemistry	27	73		
9	Botany	17	83		
10	Zoology	20	80		
11	Biotechnology	0	100		
12	Microbiology	50	50		
13	Economics	27	75		
14	History	33	67		
15	Politics	0	100		
16	Commerce	17	75	8	

17	BBA	40	60		
18	Electronics	33	67		
19	Visual Communication	60	20	20	
20	Music/Dance	0	100		
21	Value Education	0	100		
22	Computer Science				
23	MCA	22	78		
24	MBA	60	40		
25	PG Physics	0	100		
26	PG Chemistry	80	0	20	
27	PG Vis Com	50	50		
28	PG Biotech	0	100		
29	Phy. Edu.	100	0		
30	Library	0	100		

2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?

The College has **all the required number of qualified and competent teachers** to handle all courses for all departments. Even though the State Government is not permitting the filling of the vacancies arising on superannuation with grant-in-aid staff, the **Management fills the vacancies** immediately by shouldering the financial liability. A total of **40** faculty members were appointed during the last four years.

2.4.7 How many visiting Professors are on the rolls of the College?

No visiting Professors are on the permanent rolls of the College. However, the individual departments are encouraged to utilize the services of eminent persons to deliver guest lectures.

2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)

The College management gives **seed money** for conducting projects incubating newer ideas of research so that with the preliminary studies undertaken, the faculty can approach other institutions for funding their research proposals.

Whenever faculty members approach the Principal for **attending national/international conferences**, they are very much encouraged. During the academic year 2010-2011, **33 members**, during 2011-2012, **42 members**, during 2012-2013, **34 members**, and during 2013-2014, **21 members** have attended such conferences and workshops. All of them were financially supported by the Management.

The College organizes **in-service training** during the academic year to the faculty members who have less than 3 years' service. It also caters to the needs of new incumbents as an induction program.

A Special Orientation Program for the newly recruited staff members (2011-12 & 2012-13) was held on 10th June 2012. The theme of the orientation program was “**Striving towards Professional Development - An Induction Program to the New Recruits**”. **A three-day Induction Program** for the newly recruited faculty members was held under the aegis of Internal Quality Assurance Cell from **03.06.2013 to 05.06.2013**.

The College organizes an **in-service/orientation program for all the faculty members annually** at the commencement of the academic year. A **two-day Staff Orientation program** was held on 7th & 8th June 2010 for the teaching staff members of UG and PG sections. Resource Persons: Rev Fr Dr Joseph Xavier SJ, former Principal, Loyola College, Chennai and Mr. Ponmudiraj, Asst. Advisor, NAAC, Bengaluru. A **one-day Staff Seminar** was held on 9th June 2011 with the theme, “**Re-visiting Academic Excellence**”. The resource person was Prof B. Raja Sekhar, School of Management Studies, University of Hyderabad. **An Annual Staff Workshop** for the academic year 2012-2013 was held on 9th June 2012 under the aegis of IQAC. The theme of the workshop was “**Ensuring Social Responsibility through Curriculum – ALC’s Perspective**”. The Resource Persons were Prof. Satyanarayana Sangitha, Institute for Social and Economic Change, Bengaluru, and Prof. K. Satyr Prasad, Dept. of Botany, Osmania University, Hyderabad who gave talks on “**Making Humanities & Social Sciences more Relevant and Application-Oriented**” and on “**Science for People**” respectively. The **Annual Staff Orientation Program** for the faculty members of Degree and Postgraduate sections for the academic year 2013-2014 was held under the aegis of Internal Quality Assurance Cell on 6-7th June 2013 on the topic “**Faculty Professional Enrichment Program**”. All the officials of the College and faculty participated in the Orientation Program. On the first day, the Resource Person Mr. G.C.Pande, General Manager & Principal, State Bank Institute for Rural Development (SBIRD), Hyderabad, gave a talk on “**Innovation in Curriculum Design & Development**”. The talk was followed by a workshop on Curriculum Design & Development and Group Presentations.

The College also partly funds the UGC-sponsored national conferences conducted by respective departments, apart from several regional and state-level seminars.

2.4.9 Give the number of faculty who received awards/recognitions for excellence in teaching at the state, national and international levels during the last four years.

58 of faculty received awards/recognitions for excellence in teaching at the State and National level during the last four years. In the last two years, there are **3 faculty members** who received the prestigious “**Best Teacher Award**” presented by the AP State Government.

2.4.10 Provide the number of faculty who have undergone staff development programs during the last four years. (Add any other program, if necessary)

Academic Staff Development Programs	Number of faculty
Refresher courses	36
HRD programs	-
Orientation programs	610
Staff training conducted by the College	259
Staff training conducted by University/other Colleges	15
Summer/winter schools, workshops, etc.	71
Any other (please Specify)	123

2.4.11 What percentage of the faculty has

- * been invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies: 35%
- * participated in external Workshops/Seminars/Conferences recognized by national/ international professional bodies: 25%
- * presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies: 65%
- * teaching experience in other universities/national institutions and others industrial engagement: 23%
- * international experience in teaching: 1%

2.4.12 How often does the College organize academic development programs for its faculty, leading to enrichment of teaching-learning process?

- * Curricular Development
- * Teaching-learning methods
- * Examination reforms
- * Content/knowledge management
- * Any other (please specify)

It is customary for the College to start every academic year with a staff seminar on topics related to their professional development. Apart from these different departments also are encouraged to organize seminar/workshops for professional development.

During the last four years, such type of programs organized for the faculty includes:

Retraining of Faculty in e-content Development: The Departments of Physics and Mathematics organized a week-long UGC-sponsored National Workshop on “**Retraining of Faculty in e-content Development**” during March 18-23, 2013. The workshop was designed to provide participants with an opportunity to improve their e-Content development skills, to engage in hands-on training program to convert existing courses in subjects that they teach into e-learning format and produce e-learning CDs. The workshop was training-cum-production type, involving lecture-

cum demonstrations, interactive sessions and hands-on practice. The objectives of the training program included a) Instructional Design Principles; b) Introduction to e-learning concepts; c) content rendering and structuring and d) practical, hands-on e-Content Development.

Loyola English Language Teaching (ELT) Research Center organized in association with British Council a three-day workshop on “**Business English Certificate**”, a Teacher Support Program from 6th to 8th October 2010 with resource persons drawn from the British Council. It was a preparatory ground for the College to become an approved BEC Center of the British Council.

A one-day **UGC-Sponsored Training Program** was conducted on 8th April 2011 on the topic “**Effective use of Resources on Internet for teaching and research**”.

The Departments of Botany, Microbiology and Biotechnology organized a 2-day **National Workshop** on “**Innovative Trends in Life Sciences**” for Teachers on 26-27th August 2011.

The Internal Quality Assurance Cell of ALC conducted a one day Seminar on “**Academic Leadership**” on 25th October 2012 for selected officials of the College, connected with the academic administration.

The Departments of Zoology and Biotechnology conducted a 3-day UGC-sponsored **Workshop cum Retraining Program for Faculty of Life Sciences on Bioinformatics & Molecular Biology** during 31st October to 3rd November 2012.

2.4.13.1 What are the teaching innovations made during the last five years? How are innovations rewarded?

With the establishment of **Center for Information and Communication Technology**, almost all departments prepared multimedia lesson plans. This ICT Center is equipped with facilities like computers, multimedia tools, audio-visual equipment and Internet facilities. The ICT Center has state-of-the-art facilities for production of multimedia lessons. 25 of the lecturers were trained in flash programs in order that they might take to e-content teaching methods. The Departments of Physics and Mathematics organized a week-long UGC-sponsored National Workshop on “**Retraining of Faculty in e-content Development**” during March 18-23, 2013. The workshop was designed to provide participants with an opportunity to improve their **e-Content development skills**. All the staff members have been trained to make PowerPoint presentations in their respective subjects.

Introduction of compulsory Project-Work for all final year students is yet another teaching innovation introduced during the period under review. The Project Work focuses on project-based and experiential learning.

Simulation experiments in the Department of Physics are one of the teaching innovations. And also in the case of Departments of Chemistry and Electronics. The department of Physics has taken efforts to download *Youtube* videos using the

volunteers of the same department over a summer on ‘Collection and categorisation of web resources’ in 2011. The participants were trained to download from *YouTube* and prepare a brief report on each lecture such as topics covered in the lecture or the demonstrations present in the lecture. The reports collected were reviewed and presented on DVDs along with the lectures. There were as many as 286 lectures collected and categorized. They were shown to the students in subsequent years (2011-date).

Strengthening of the ‘**Language Laboratory**’ to teach the English language using computer-aided software is another teaching innovation made during the last five years. Besides, the Department of English has introduced an innovative **Extensive Reading program** for its Stream B learners (the low ability group in English in the College). The program involves each student learns reading independently eight retold classics with attractive multi-colored pictures and discussing each classic with their peers and teacher. The Department has been systematically administering this program since 2003-04 with very good results in terms of the students’ proficiency levels in English. Over these five years, the Department has greatly strengthened this program and has a sketch of 20 classics always in circulation. Furthermore, the Department uses the **Reading 400 program** with the Stream B learners. The program consists of 400-page communicative cards with each card carrying a well-illustrated single-page story and two sets of exercises. This program is also for **independent out-of-the-classroom reading**. Success in independent reading in English on these two programs has significantly enhanced the confidence levels of the so-called slow learners.

The Department of Commerce has introduced **business games** into their teaching-learning process. They also introduced ‘**Commerce Labs**’ in their curriculum. To supplement classroom teaching, all the departments have their own ‘**blogs**’.

2.4.14 Does the College have a mechanism to encourage

- * **Mobility of faculty between institutions for teaching?**
- * **Faculty exchange programs with national and international bodies?**

If yes, how have these schemes helped in enriching quality of the faculty?

Faculty is encouraged to deliver guest lectures in other institutions. **30% of the faculty** is actively involved as **guest lecturers for other institutions**. The College also encourages the faculty of other colleges, who are experts in their respective fields to teach our students. Mention could be made of the faculty of the Dept. of Food Technology and Dept. of Mass Communication of Loyola Academy, Telangana who are constantly invited to teach our students.

2.5 Evaluation Process and Reforms

2.5.1 How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?

There is an **orientation program** at the beginning of every academic year for all the newly admitted candidates along with their parents, where the evaluation procedures

are explained to the students. Similarly, the evaluation procedures are also printed in the calendar/handbook given to each student.

2.5.2 What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?

One of the major evaluation reforms after re-accreditation period is **the conduct of two mid-semester examinations** as a part of the internal evaluation, in the place of one mid-semester examination.

Secondly, On-line examinations are conducted for a few general electives, computer science papers and statistics papers. The evaluation is comprehensively designed to evaluate students in terms of:

1. Achievements evaluation (learning outcomes) ensured by conducting semester-end assignments focusing only on the learning outcomes envisaged by each faculty member in his/her academic planner.
2. The prognosis and guidance evaluation ensured through the conduct of two mid-semester examinations, which helped the faculty to predict future achievement of individuals and to analyze their present status of subject knowledge.
3. Summative evaluation ensured through the semester-end evaluation by external examiners. This has led to determine the learning outcomes and the competencies developed by students after undergoing the course.
4. Evaluation of the Project Work of the final year students by external experts makes the evaluation of their work more comprehensive and ensures objectivity.

Reforms are brought in while **preparing question papers** by ensuring the inclusion of proper weightage to objectives, adequate content coverage, weightage to different forms of questions, predetermined difficulty range, adequacy of the length of the paper in terms of time and distribution of marks.

2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?

To ensure continuous comprehensive evaluation (CCE) of students, ALC has adopted two mid-semester examinations conducted in a centralized manner. This has led to diagnosis and remediation evaluation, wherein the points of strength and weakness in a student's skill and knowledge in the given subject are diagnosed and the learning difficulties are discovered which could result in a call for remedial action by way of conducting remedial classes for those students. These mid-semester examinations carry 20 marks each of the Internal Assessment. The CCE also includes marks awarded for assignments. Different faculty members conduct **assignments** using various testing tools like, case studies, reviews, self-assessment through reflective teaching, quizzes, short duration objective type tests, seminar papers, etc.

The CCE component also includes marks for improved **attendance** over the minimum requirement of 75%. This also motivates students towards 100%

attendance paving way towards their improved performance.

2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigor of the internal assessment process?

50% of marks are earmarked for Continuous Internal Assessment (CIA). The rigor of internal assessment process is ensured by way of conducting various internal assignments both announced and un-announced.

2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?

Yes. As the schedule for examinations is decided and printed in the calendar cum hand-book, the schedules are faithfully adhered to.

2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode/media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.

Autonomy has enabled us to publish the results speedily. The examination results are usually declared **within 25 days** after the last paper of the exam is held. As soon the Awards Committee ratifies the results, they are posted on the website of the Controller of Examinations (www.alcexams.ac.in) and also published on the Controller's Office notice board. The results are also supplied to parents/guardians during the Parents' Meet organized periodically. The lecturers concerned also discuss the performance of the student with their parents, whenever they approach them. The results are also communicated to parents by post.

2.5.7 Does the college have an integrated examination platform for the following processes?

- * **Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.**
- * **Examination process – Examination material management, logistics.**
- * **Post examination process – attendance capture, OMR based exam result, auto processing, generic result processing and certification.**

YES. There is an **integrated examination platform** for the pre-examination processes, examination processes and post-examination processes. The time-table generation, student list generation, allotment of invigilators for the examination halls, etc., are done using pre-designed software. The examination material management and logistics are taken care of by the Office of Controller of Examinations. The post examination processes are also automated using **tailor-made software**.

2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?

The College is not permitted by the University and State Government authorities to conduct PhD programs.

2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?

The Controller of Examinations is assisted by two Assistant Controllers of Examinations. In the beginning of the academic year, the Controller or the Assistant Controller of Examinations briefs the new entrants about the examination system and evaluation. Boards of Studies meetings finalize the recommendations for the modifications of the syllabus. They are placed for approval of the **Academic Council** meeting. After approval in the Academic Council meeting, the syllabus comes into force from the following academic year. The Controller of Examinations (CE) then requests the Departments to submit their syllabi and model papers.

Then the CE sends the model paper and the syllabus to the external examiners for setting the question paper for the Semester End Examinations. The CE, in close collaboration with the Chief Superintendent of Examinations (CSE), is in charge of conducting the centralized mid-exams and Semester-end Examinations for all UG students as per the dates printed in the calendar-cum-handbook in the beginning of the academic year. The CE, after consulting the CSE, gives permission for re-mid examinations to students who were absent from any of the mid exams, due to genuine reasons.

If a student feels that the marks he/she has obtained are less than what he/she expected, he/she is allowed to apply for revaluation. The revaluation results are declared within one-week. After the declaration of even semester results after revaluation, there is a provision for an instant exam for only final year students who have just two papers as arrears. After the declaration of the final results, the CE sends them to the University in the form of transcripts. After verification, the University gives the College permission to issue the Provisional and consolidated marks certificates to students.

2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?

The **transparency of evaluation** is ensured by offering a chance to the learners for re-valuation and re-totalling of marks in the external examination. As regards the internal assessment, the answer scripts are returned to the students who can scrutinize them and have their grievances redressed by appealing to the teachers concerned. If a student is still not satisfied, he/she could approach the Head of the Department and if he/she still feels aggrieved, he/she can appeal to the **Appeals and Grievances Committee**.

The College also provides the **photocopy of answer scripts** to students. If any student feels, that his/her paper is not valued properly or he/she has got less marks than expected, they are allowed to see his/her valued answer scripts by paying Rs. 500/- per script. After paying the fee, the photo copy of the answer script is evaluated by a senior lecturer in the presence of the student.

2.6. Student Performance and Learning Outcomes

2.6.1 Does the College have clearly stated learning outcomes for its programs? If yes, give details on how the students and staff are made aware of these?

Members of faculty list out the learning outcomes of each paper taught by them in their Annual Academic Planner. Students are also made to be aware of them by discussing the academic plan at the beginning of the semester. The learning outcome of each program is given in the detailed prospectus given to students at the time of admission and students are also counseled about the same at the time of admission.

2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?

Monitoring and the ensuring the achievement of learning outcomes are done through the conduct of Academic Audit, Placement Record, and feedback of students along with their parents in the parents meeting.

2.6.3 How does the institution collect and analyze data on student learning outcomes and use it for overcoming barriers of learning?

The College collects regular feedback from the outgoing students about their learning experiences and whether they have experienced the achievement of the learning outcomes. The feedback is analyzed and used in making necessary strategies in place for the ensuing academic year.

2.6.4 Give Program-wise details of the pass percentage and completion rate of students.

S NO	Departments	Pass percentage	Completion rate
1	DEH	84.21	100%
2	DET	50	“
3	DGH	100	“
4	DEM	89.47	“
5	DML	94.55	“
6	DP	92.16	“
7	DC	87.50	“
8	DB	64.71	“
9	DZ	94.44	“
10	DCP	90.38	“
11	DSC	91.43	“
12	DCS	80.00	“
13	DBMC	77.78	“
14	DVC	100	“
15	DCV	95.65	“
16	DO	98.87	“
17	DOC	97.44	“
18	DBBA	85.71	“
19	DEC	89.19	“

Criterion III: Research, Consultancy and Extension

3.1 Promotion of Research

3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

The College has a **Research Committee** with the Principal as its Chairman and members drawn from various departments who are actively involved in research. The Committee motivates the faculty to take up research; it arranges sessions in research methodology; it recommends to the management faculty members for award of financial assistance for attending conferences/seminars and presenting research papers. It facilitates the use of equipment in the Inter-disciplinary Research labs and the other major equipment present in different departments. The research committee also facilitates research activities by providing information on external funding agencies and renders help in the preparation of research projects.

3.1.2 What is the policy of the College to promote research culture in the College?

The policy of the College to promote research culture recognizes and encourages the following categories of researchers:

- **Independent researchers:** promoting individuals operating alone with budgetary support from the governmental agencies.
- **Star performers:** identifying them and encouraging other independent researchers into that category.
- **Collaborative researchers:** promoting core group of academics for research activity in a collaborative way.

The ultimate goal of the College is to aim at creating collaborative researchers in different disciplines of study.

3.1.3 List details of prioritized research areas and the areas of expertise available with the College.

S NO	Department	Prioritized Research Areas	Expertise Available Here
1	Mathematics	Algebra, Commutative Algebra & Fuzzy Commutative Algebra	In the same area
3	Physics	Liquid Crystals, Glasses, Ultrasonic and Thin films	- Do –
4	Chemistry	Ionic liquids, Adsorption, Environmental Studies, Application of Polimers	- Do –
5	Botany	Plant Systematics,	- Do –

		Experimental Biology, Mycology, Molecular Genetics and Ecology	
6	Bio-technology	?	- Do –
7	Commerce	?	- Do –
8	History	Socio Economic History of Modern India	- Do –
9	Telugu	Classical & Modern poetry ; Folklore	- Do –
10	English	English Language Teaching	- Do –

3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects?

- * **advancing funds for sanctioned projects**
- * **providing seed money**
- * **autonomy to the principal investigator/coordinator for utilizing overhead charges**
- * **timely release of grants**
- * **timely auditing**
- * **submission of utilization certificate to the funding authorities**

So far, **no need** has arisen for advancing funds for sanctioned projects as the funds are released along with the sanction letter of the project. For the un-aided faculty members, the College grants **seed-money** to incubate their ideas and design a minor project in the identified area. **Complete autonomy** is given to the principal investigator for utilizing the overhead charges. **No delay** is caused in the timely release of grants. Usually requests for release of grants are conceded within 48 hours. The Principal ensures the **timely audit** of the financial expenditure as soon as the project ends and motivates the investigators for the **timely submission** of Utilization Certificates.

3.1.5 How is inter-disciplinary research promoted?

- * **between/among different departments of the College and**
 - * **collaboration with national/international institutes/industries.**
- Interdisciplinary research is promoted in the College by way of creating **Central Instrumentation Center** wherein all the different equipments bought by the College grants are placed.
 - There is **interdisciplinary research** among the departments of Chemistry and Physics and Botany and Biotechnology.
 - In the Department of Oriental languages, interdisciplinary research is being promoted between Telugu and the Department of Value Education.
 - The Department of Botany conducts research in **collaboration with the Department of Biotechnology of Jawaharlal Nehru Technological**

University, Hyderabad. Similarly, there is collaboration between the **Department of Physics and the University PG center, Nuzvid and Acharya Nagarjuna University.**

3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?

The College is making all its sincere efforts in attracting researchers of eminence to visit the campus and interact with teachers and students. To cite a few examples:

The Department of Statistics conducted a seminar on 9th August 2010 with Prof. P.Venkata Rao, Dept. of Mathematics, Reed College, USA as the Resource Person. In his address, Prof. Venkat Rao spoke about the **‘applications of probability in modern algebra’, ‘basic ideals of probability concept’, and ‘use of probability in calculating the coefficients in polynomials of Unique Factorization Domain’.**

The Department of Commerce organized a seminar on **‘The Role of Educational Institutions for a Better Society’** on 9th August 2010 with Mr. Micheal Malahy Morris, Director for Community Learning and Public Service, University of New Mexico as the resource person.

The Department of Computer Science organized a motivational talk for the final year students on 7th July 2010. Sri P.V.Krishna, Managing Director, Global Commodities, CITI Group Energy, Texas, gave a talk on **“Success in Career”.**

The Department of Computer Science organized a guest lecture for the final year students on **“Software engineering and real time implementation of SDLC”** on 23rd July 2010. The resource person was Sri B.Buchaiah, Software Development Engineer, Hi-Tech City, Vijayawada.

The Department of Political Science organized a guest lecture on **“Making of US Foreign Policy”** on 14th September 2010, delivered by Ms. Juliet Wurr, Public Affairs Officer, US Consulate, Hyderabad.

The Department of History in collaboration with the Department of Economics and Political Science organized a guest lecture on **“Individualism in European History”** on 17th September 2010. Prof. D.A. Mukhopadyaya, Reader in History, Hyderabad Central University delivered the guest lecture.

The Department of Statistics organized a guest lecture on **“Application of Probability”** on 29th September 2010, delivered by Prof. P.Venkata Rao, Reed College, Oregon, USA.

The Department of Electronics organized a guest lecture on **“Opportunities in Electronics and its Importance”** on 1st December 2010 and the lecture

was delivered by Prof. Dr. CH. Ravi Shankar Kumar, from Gitam University, Vizag.

ALC organized a two-day **International Colloquium on Global Environment Protection** on 25th March 2011. Roger Hansell, executive director of the Noble Institute for Environmental Peace, Canada, Marijo Readey, representative of the Noble International University, US, and Biswajit Ganguly, Chancellor of the Noble Institute for Environmental Peace, Canada delivered lead lectures. Prof. M.K. Durga Prasad, Vice-Chancellor of Krishna University was the chief guest. Foreign delegates, professors and experts at the International Colloquium stressed the need for moderate use of fossil fuels and natural resources so that there would be slow, steady, and sustainable development rather than exponential growth. Fr. Dr. Francis Xavier SJ, Principal, Fr .A. Stanley, Rector, Sri G. M. Srirangam, the organizing secretary, Prof Durga P. Ojha, Principal, Andhra Loyola Institute of Engineering and Technology and others spoke.

The Colloquium was followed by a **Roundtable** for coordinated efforts to reduce global warming. On ways and means to mitigate the problems arising out of 'universal global warming', the participants opined that a coordinated effort among all stakeholders in the society was essential to achieve this goal. The participants included Sri A. Sudhakar Reddy, Vice-district Governor, Lions International club (324-C), Prof Biswaji Ganguly, President, Noble Institute for Environmental Peace (Canada), Sri S. Venkateswarlu, Regional Environmental Engineer, Andhra Pradesh Pollution Control Board, Prof Marijo Readey, Dean of Studies, NIU, Prof Roger Hansell, Executive Director, Noble Institute for Environmental Peace (Canada) and Fr. Dr. A. Rex Angelo, Vice-Principal, ALC.

The Department of Computer Science organized a Technical Talk on “**SAP Applications and its Modules**” for the final year students by Sri B.V.Suryanarayana, SAP-BASIS Consultant, on 23rd June 2011.

The Department of Chemistry organized a guest lecture on “**NMR Spectra and its Interpretation to solve structural problems**” delivered by Prof. T. Ramalingeswara Rao, Professor & HOD, Banaras Hindu University, Varanasi, during September, 2011.

The Department of Botany and Microbiology organized a guest lecture on 30th June 2012 on the topic “**Recent Trends in Molecular Biology**” delivered by Dr. D.V.N. Sudheer, Dept. of Chemical and Biochemical Engineering, Visiting Professor, Dongguk University, South Korea.

The Department of Mathematics organized a guest lecture on 14th August 2012 on “**Certain Algebraic Structures**”. Dr. K. Syam Prasad, Associate Professor, Department of Mathematics, Manipal University, Manipal.

The Department of Statistics organized a guest lecture on “**Inferential Statistics**” on 6th September 2012. Prof. K.L.A.P. Sharma, Department of Statistics, Sri Krishna Devaraya University, Ananthapur, delivered the lecture.

The Department of MCA organized a guest talk on “**Trends in IT Industry**” on 12th October 2013. It was delivered by Mr. John Wilson, Developer in TCS, Bangalore.

The Department of MBA organized a guest talk on ‘**Media Management**’ on 20th October 2013, which was delivered by Mr. Ramesh Susarla, Chief of Bureau, The Hindu, Vijayawada.

The Department of MCA organized a guest talk on “**Surface Computing**” on 25th October 2013. It was delivered by Mr. Anji Reddy, Tester in Polaris, Hyderabad. They also organized a guest talk on “Cloud computing” on 5th November 2013. It was delivered by Mr. Mansoor Atif, from TCS, Bangalore.

The PG Department of Physics organized a guest lecture on “**Career Opportunities in Research**” on 3rd December 2013, which was delivered by Dr. G. Venkata Ramaiah, Post-Doctoral Fellow, Aviero University, Portugal.

3.1.7 What percentage of faculty has utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?

The policy of the Government of Andhra Pradesh has **no provision** for sabbatical leave.

3.1.8 Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.

The Department of Physics organized a **state-level student seminar** on “**Environmental Physics**” on 2nd December 2010. The Chief Guest for the Valedictory session was **Prof. Ibrahim Khan, Director, IIIT, Nuzvid**. Dr Khan advised the students to explore the possibilities of using their knowledge and skill for the rural development.

The Department of Chemistry organized a **national seminar** for students on “**Insight into Green Chemistry**” during 6th and 7th of December, 2010. **Dr. B.Venkateswara Rao, H.O.D., Dr.M.Venkateswara Rao (Chairman), Dr.G.Subrahmanya Sasthry, Dr.G.V. Ramana and Prof. B. Kesavarao** of Acharya Nagarjuna University were judges for the same.

The Department of Botany & Microbiology organized a **national seminar Environ-2011** on 20th January 2011 for the staff and students of colleges within the state and other states of the country.

ALC organized a **two-day International Colloquium** on “**Global Environment Protection**” on 25th March 2011. **Prof Roger Hansell**, Executive Director of the Noble Institute for Environmental Peace, Canada, **Prof Marijo Readey**, Representative of the Noble International University, US, and **Prof Biswajit Ganguly**, Chancellor of the Noble Institute for Environmental Peace, Canada delivered lead lectures. **Prof. M.K. Durga Prasad**, Vice-Chancellor of Krishna University was the Chief Guest. Foreign delegates, professors and experts at the International Colloquium stressed the need for moderate use of fossil fuels and natural resources so that there would be slow, steady, and sustainable development rather than exponential growth. Fr. Dr. Francis Xavier SJ, Principal, Fr. A. Stanley, Rector, Sri G.M. Srirangam, organizing secretary, Prof Durga P. Ojha, Principal, Andhra Loyola Institute of Engineering and Technology and others spoke.

The Department of Chemistry organized a **2-day UGC-sponsored national seminar** on “**Promises of Green Chemistry**” on 16-17th November 2011. **Prof. P Jayaprakash Rao**, Chairman, AP State Council of Higher Education was the Chief Guest. Eminent professors delivered invited talks on various topics during the seminar. **Prof. B. Sreedhar, IICT, Hyderabad, Dr. B. Gopalan, C.E.O., Orchid Pharma, Chennai, Dr. KJ Sree Ram, CLRI, Chennai, Prof. N.S.Prakasa Rao, ANU, Prof. KS Rama Rao, IICT, Hyderabad, Sri GM Srirangam, ALC, Prof. PVV Prasada Rao, Dept. of Environmental Science, Andhra University, Visakhapatnam** gave invited talks. The Chief Guest released the book of abstracts on this occasion. All the officials of the college, faculty and students of the Department of Chemistry were present at the seminar.

The Department of Commerce in collaboration with Indian Overseas Bank organized a **2-day UGC-sponsored national seminar** on “**Insulating India from Global Banking Problems: Issues and Challenges**” on 11-12th January 2012. **Prof. K.Viyyanna Rao**, Vice Chancellor, Acharya Nagarjuna University was the Chief Guest. **Sri Saurabh Nath**, AGM, Reserve Bank Staff College, Chennai delivered the keynote address. **Sri U.N.Yadagiri**, Chief Regional Manager, Indian Overseas Bank was the Chief Guest at the Valedictory held on 12th January 2012. All the officials of the college, faculty and students of Commerce Department were present at the seminar.

The Departments of Botany, Microbiology and Biotechnology organized a **2-day National Workshop** on “**Innovative Trends in Life Sciences**” for Teachers on 26-27th August 2011. Sixty teachers from different parts of the State as well the staff and students of the organizing departments took part in the workshop. **Sri K.Chandra Sekharan**, Regional Manager, The Hindu, was the Chief Guest. **Sri S.Venkateswarlu**, E.E. AP Pollution Control Board, was the Guest of Honor. All the officials of the college were present at the inauguration of the workshop. **Sri SVS Narasimha Rao**, DEO, Krishna Dist. was the special invitee. **Asst. Prof. K Madhava Chetty**, SV University delivered a guest lecture on “**Strategies in the Conservation of Biodiversity**”. **Sri K Ammani**, H.O.D. Microbiology, Acharya Nagarjuna University spoke on “**Vaccines**”. **Mrs. B.Vijaya Lakshmi**, HOD,

Biotechnology, Krishna University delivered a lecture on “**Significance of Biotechnology in Curriculum**” and **Mrs. B.Siva Kumari**, H.O.D. Botany, ALC spoke on “**Horticulture Techniques**”. Students displayed **bonsai, mushroom cultivation, rare fruits and fifty varieties of rare medicinal plants** and they explained their models to the teachers. At the Valedictory, Fr. Principal gave away prizes to the Winners of **Essay Writing Competition** conducted on 20th July in connection with the **Mendel’s Day** and to the Winners of **Drawing Competition** conducted 22nd July 2011 to mark the **World Nature Conservation Day**.

The Department of Chemistry organized a **2-day UGC-sponsored National Workshop on “Instrumental Methods of Analysis – Modern Trends and Applications”** on 15-16th December 2011 on the occasion of International Year of Chemistry. **Prof. M.V.Basaveswara Rao**, H.O.D. Chemistry, Krishna University was the Chief Guest for the inaugural function and **Prof.B. Kesava Rao**, H.O.D. Chemistry, A.N.U. was the Chief Guest for the Valedictory.

The Department of Chemistry organized a **UGC-sponsored National Seminar on “New Frontiers in Scientific Research in honor”** of Prof. K.V.A. Rama Sastry, former H.O.D. Chemistry, ALC, on 27th February 2012. The participants included teachers, students and research scholars. **Prof.P. Selvam**, Dept. of Chemistry, IIT, Chennai, was the Chief Guest and **Prof. N.Rajesh**, Dept. of Chemistry, BITS Pilani, Hyderabad Campus, was the Chief Guest for the Valedictory Ceremony.

The Department of History organized an **I.C.H.R. New Delhi & A.P.S.C.H.E, Hyderabad-sponsored two-day National Seminar on “Socio-Religious and Cultural Responses of India to the Colonial Rule in the 19th& The Early 20th Centuries”** on 17th& 18th August, 2012. A total of seventy Delegates from Delhi, West Bengal, Uttarpradesh, Orissa, Tamil Nadu, Pondicherry attended the seminar and about 40 Research Papers were presented at various academic sessions in the two-day seminar. **Prof.V.Venkaiah**, Vice Chancellor, Krishna University was the Chief Guest and **Prof.Y.Vaikuntham**, former VC, Kakatiya University, Warangal was the Guest of Honor at the Inaugural. **Prof. Amit Srinivasan**, Dept. of Humanities and Social Sciences, IIT, New Delhi, delivered the Keynote Address. Rev Fr.Dr.G.A.P.Kishore, SJ, Principal, presided over the inaugural and Rev Fr.Dr.A.Francis Xavier, SJ, Correspondent, welcomed the participants while Rev Fr.D.Ravi Sekhar, SJ, blessed the gathering. **Prof. Atluri Murali**, Dept. of History, University of Hyderabad, Special Invitee, also addressed the gathering.

The Valedictory of the seminar was held on 18th August 2012. **Dr.C.N.Gopinath Reddy, IPS**, Director General of Prisons, Govt. of AP was the Chief Guest and **Prof.V.Rama Krishna**, former Dean, Sarojini Naidu School of Theatre and Performing Arts, University of Hyderabad were the Guest of Honor. **Prof. Lakshmi Subramanian**, Centre for Studies in Social Sciences, Kolkata, delivered the Valedictory Address. **Prof. Adapa**

Satyanarayana, Director, Indian Diaspora, University of Goa was the Special Invitee.

The Department of English organized a one-day seminar on 16th August, 2012 on “**Dalit Literature in India**”. **Prof. S. Armstrong**, Associate Professor & Head, Dept. of English, University of Madras, **Prof. P Balamurugan**, Asst. Professor in History, Presidency College, Chennai, **Prof.T.Prabhu**, Asst. Professor in English, SS Govt. Arts College, Tiruttinai were the resource persons. All the officials of the College, Faculty members of the Department and students of literature participated in the seminar. Prof. Armstrong stressed the importance of dalit literature, quoting the poems translated by the dalit writers from different languages. Prof.P Balamurugan brought out the comparison between the Tamil dalit literature with reference to the dalit literature of others states. Prof.T.Prabhu focused his attention on the caste-system and presented the lives of various dalit leaders who struggled for uplift of society through their literary and social activities.

The Department of Oriental Languages organized, in collaboration with AP Hindi Academy, Hyderabad, and Dept. of Hindi, Acharya Nagarjuna University, a **UGC-sponsored two-day national seminar on “Important Literary Forms and Trends in Indian Languages after Independence”** on 24-25th August 2012. **Padmasri Prof. Yarlagadda Lakshmi Prasad**, (Chairman, U.G.C. High Power Committee for Implementation of Official Language in Central Universities) & Chairman, AP Hindi Academy was the Chief Guest. **Dr.V.Vallabha Rao**, Seminar Convener, presented the aim and dynamics of the seminar. **Prof.R.S.Sarraj**, Dept. of Hindi, University of Hyderabad delivered the keynote address. All the officials of the College, the faculty members as well as the students of the Department of Oriental Languages took part in the seminar. 120 Delegates participated from all over the India in the seminar and 106 Papers were presented by the delegates in Hindi, Telugu, and Sanskrit at the seminar. On this occasion, a souvenir was released by the Chief Guest. The Valedictory Session of the seminar was held on 25th August 2012 at which **Prof.K.Viyanna Rao**, Vice Chancellor, Acharya Nagarjuna University was the Chief Guest and **Dr.C.S.N.Sarma**, Director, AP Hindi Academy was the Guest of Honor.

The Department of Library and Information Sciences, in collaboration with Acharya Nagarjuna University, organized a **UGC-sponsored National Seminar on “Developing a Fully-fledged Digital Library System”** on 16–17 November, 2012. **Prof. K.Somasekhara Rao**, Senate Member of Andhra University, Visakhapatnam delivered the Keynote address. Rev. Fr. Dr. A. Francis Xavier SJ, Correspondent released the Seminar Volume which got an ISBN number. Rev. Fr. Dr. G. A. Peter Kishore SJ presided over the Seminar attended by participants from seven states including 15 University Professors.

The Department of Botany, in association with Krishna University, Machilipatnam, organized a **two-day UGC-sponsored National Seminar on “Recent Trends in Nan biotechnology in the Protection of Health & Environment”** on 30th November 2012 and 1st December 2012. The keynote

address was delivered by **Dr.M.Lakshmi Narasu**, Professor, JNTU. **Dr.K.Venkateswara Rao**, Professor, JNTU also delivered his message on this occasion. About 120 participants from different colleges and universities presented Papers on the topic. Seminar souvenir, proceedings and a soft copy were released by the dignitaries on this occasion. **Dr.A.G.Krishna Murthy**, Principal, Sri Siddhartha Medical College, Vijayawada was the Chief Guest and **Sri A.Vijaya Kumar**, Zonal Officer, APPCB, Vijayawada was the Guest of Honor at the inaugural of the seminar. **Dr.S.Babu Lal**, Superintendent of Govt. General Hospital, Vijayawada was the Chief Guest at the valedictory.

The Department of Physics organized a **two-day UGC-sponsored National Seminar on Multi-Functional Materials** on 6th& 7th March 2013. The main theme of the seminar focused on the latest developments on different kinds of materials that are useful for a variety of applications in lasers, medicine, in space technology, information technology, in electronic industry and rechargeable battery materials. **Dr. G.P.Kotiyhiyal**, an Outstanding Scientist from Bhaba Atomic Research Centre, Mumbai inaugurated the seminar and delivered the keynote address. The seminar was attended by a galaxy of eminent scientists from different parts of the country including **Dr.V.Prahlad**, Institute for Plasma Research, Ahmedabad, **Dr.S.Sudarsan** from BARC, Mumbai, **Dr.D.Haranath**, National Physical Laboratory, New Delhi, and numerous eminent Professors from Universities of Andhra Pradesh.

As many as 80 research papers were presented by the participants and the proceedings of the seminar were brought out as a special volume through Luminescence Society of India. All the officials of the College, faculty of the Physics Department participated in the Seminar which was dedicated to the Founder-Principal of the College, Rev. Fr. Theo Matthias who was also a faculty member of the Physics Department.

The Department of Economics organized a **two-day UGC-sponsored National Seminar on ‘Twenty one Years of Economic Reforms and Inclusive Growth in India – Emerging Trends and Challenges’** on 11th and 12th March 2013. Technical sessions were held on 11th and 12th wherein 40 papers were presented by the participants. **Prof.G. Nancharaiah**, Dean, School of Economics, University of Hyderabad was the Chief Guest. **Prof G. Omkarnath**, Dept of Economics, University of Hyderabad delivered the keynote address. Besides the presence of college officials at the Seminar, **Sri Vadde Sobhanadeeswara Rao**, ex-MP, and **Sri G Lakshmana Rao**, Member of Legislative Council were the Guests of Honor. **Sri.R.V Balaram**, Indian Revenue Services, MS (LSEP), Fellow, CIEPR- Cambridge, Deputy Director, National Academy of Customs, Excise and Narcotics and **Sri Gangadhar Darbha**, Executive Director and Head, Algorithmic Trading Strategies, Global Markets, Nomura Structured Finance, Powai, Mumbai were the special invitees to the seminar. Proceedings of the Seminar were released on this occasion.

Five Papers on Impact of Economic Reforms on farm and Agricultural Sector in the first technical session; Impact of Economic Reforms on Finance and

Banking Sector; Economic Reforms and Food Security in India; Impact of Economic Reforms on Employment Sector; and Economic Reforms and Inclusive Growth in India were presented by **Prof G.Omkarnath**, Dept of Economics, University of Hyderabad **Dr.N.Koti Reddy**, Reader in Economics, G.B.R Degree College, Anaparthi, **Dr P.Venkateswara Rao**, Senior faculty, MM Kalasala, **Dr Ch.Suryaprakash Rao**, Lecturer in Economics, PBS College, Vijayawada and **Mrs. T. Arogyamma**, Sr. Grade Lecturer, JMJ College, Tenali, respectively who chaired the technical sessions as well.

The valedictory of the National Seminar was held on 12th March 2013 with **Prof. Mohd Iqbal Ali**, Dept. of Economics, Kakatiya University as the Chief Guest. **Prof B.Sambasiva Rao**, Department of Economics, AcharyaNagarjunaUniversity was the guest of Honor. **Sri G.Ramesh Babu**, Vasavi Electrical Plant, Vijayawada was present as Special Invitee. Presentation of mementos to the dignitaries and certificates to the delegates followed.

The Department of Botany conducted a **National Conference on “Modern Approaches to the Conservation of Medicinal Plants”** on 27-28th January 2014. The Conference was sponsored by the National Medicinal Plants Board, New Delhi. **Dr.K.P.Srivasuki, I.F.S.**, Commissioner (AYUSH) and Chief Executive Officer, A.P. Medicinal & Aromatic Plants Board was the Chief Guest while Mr. **A.Venkateswarlu**, Deputy Executive Officer, A.P. Medicinal & Aromatic Plants Board was the Guest of Honor. **Dr.B.Siva Kumari**, H.o.D. Botany and Organizing Secretary of the Conference, presented the theme of the Conference. **Dr.K.P.Sastry**, Chief Scientist, CSIR-CIMAP, Hyderabad, delivered the Keynote address.

A total of 110 papers were received and 120 participants from reputed Institutions/Universities/Colleges including CSIR, Lucknow, IARI, New Delhi, JNTU, YSR Horticulture University, Kurnool Agricultural University, Dravidian University, Krishna University, Acharya Nagarjuna University, SKD University, SV University, Bapatla Agricultural College and faculty and students of the Botany Department of the host College took part in this Conference.

3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).

The College gives importance to the advocacy of relative findings of research to the students and the community in general. Several state-level, region-level and nation-level conferences were held to advocate the research findings to the students and community.

3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

Academic year 2010 – 2011

Research activities:

Ph.D Awarded:

1. **Sri B.Elia**, Dept. of Zoology was awarded a Ph.D. in Zoology for his thesis entitled “**A study of Systematics, Phylogeny and Biogeography of Bathynellacea (Crustacea, Malacostraca, Syncarida) of peninsular India, the description of eight new species**” by Acharya Nagarjuna University, in the month of April 2010.
2. **Dr.K. Job Sudarshan**, Dept. of Ethics and Religion (Value Education), was awarded a Ph.D. in Theology from Hebron Open University for his thesis on “**A comparative study of the ethical teaching of Vemana and the Proverbs of the Bible.**”
3. A scholar guided by **Dr P Ramanujam** (English) was awarded the PhD degree in **English Language Teaching** at Jawaharlal Nehru Technological University, Hyderabad in June 2010.
4. **Sri G.Srinivas**, a scholar under the guidance of Prof. Durga P. Ojha, (PG Dept. of Physics), was awarded Ph.D. degree entitled “**Theoretical Studies upon Long-Range and Short-Range Intermolecular Interactions in Liquid Crystals**” by Acharya Nagarjuna University, Guntur, in November 2010.

UGC Major/Minor Research Project:

1. **Dr.B.Venkateswara Rao**, Dept. of Chemistry, was awarded a Major Research Project by the UGC. The title of the project was “**Organophosphoric acids as complexons, antibacterial and antifungal agents**”. The grant of Rs.2,40,000/- was for five years.
2. **Dr.Durga P.Ojha**, PG Dept. of Physics, was sanctioned by the UGC a Major Research Project titled “**Computational Studies on Molecular Interactions in Liquid Crystals**” with a project grant of Rs.5,00,000/- . The duration of the project was three years i.e. from 2011-2014.
3. **Dr.M.C.Rao**, Dept. of Physics, completed an UGC-funded Minor Research Project titled “**Synthesis and Characterization of Lithium Cobalt Oxide Thin Films for Micro battery Application**” in July 2010. Grant Sanctioned: 1.5 lakh.
4. **Dr.M.C.Rao**, Dept. of Physics, is working on an UGC-funded Project titled “**Synthesis and Characterization of Nickel doped Lithium Cobalt**”

Oxide Thin Films” and is being assisted by his Research Scholar, **Sk.Muntaz Begum**. The project grant is Rs.2 lakh per annum for a period of 5 years.

M.Phils Awarded:

1. **Sri B Johnson**, Lecturer in Physics, was awarded an M.Phil degree in Physics for his dissertation entitled, ‘**Thermodynamic and Spectroscopic Studies of Intermolecular Interactions in Nitrobenzene and Methanol System**’ by Acharya Nagarjuna University in March, 2010 under the guidance of Dr G Srinivasa Rao of the same Department.
2. **Smt.Ch.Bhargavi**, Lecturer in Chemistry, has been awarded an M.Phil, by Acharya Nagarjuna University, Guntur, in May 2010 for the Topic “**Heavy Metal Contamination in Water**”.
3. **Ms. G. Syamala**, Lecturer in English, was awarded an MPhil degree in English for her dissertation entitled, ‘**An Insider’s View of Afro-American Life – A Study of Select Novels of Toni Morrison**’, by Madurai Kamaraj University in October 2010.
4. **Sri P.Venugopala Rao**, Lecturer in Mathematics, was awarded an MPhil degree in Mathematics for his dissertation entitled ‘**Fuzzy s-ideals of Seminearrings**’ by Acharya Nagarjuna University on 15th December 2010.
5. **Sri M.Srinivas**, Lecturer in Statistics, was awarded an M.Phil degree in “**Queueing Theory**” by Periyar University for his dissertation titled “**A stationary solution to fluid queue fed by an M/M/1 queue**”.
6. **Mrs.Manjula**, Dept. of MCA, was awarded with an **M.Tech degree**

Research Guidance:

1. Two scholars guided by **Dr.G.Srinivasa Rao** (Physics) were awarded MPhil degree in Physics, one in March by Acharya Nagarjuna University and another in May by Bharathidasan University.
2. Two of the scholars under the guidance of **Dr G Sahaya Baskaran**, (Physics), were awarded M.Phil degree from Acharya Nagarjuna University during this academic year.
3. Three M.Phil scholars of **Dr G Srinivasa Rao**, (Physics), submitted their dissertations to Sri Krishna Devaraya University and Acharya Nagarjuna University during this academic year 2010-2011.
4. Four of the scholars guided by Dr.Ch Srinivasu (Physics) submitted their M.Phil dissertations to Acharya Nagarjuna University and SKD University in July and December 2010 respectively

5. One of the Scholars under the guidance of **Dr.N.Srinivasa Rao** (Statistics) submitted his M.Phil dissertation to Acharya Nagarjuna University.
6. **Dr.CH.Srinivasu**, Dept. of Physics, was guiding six M.Phil. Scholars and two Ph.D. scholars.
7. **Dr.M.C.Rao**, Dept. of Physics, was guiding two M.Phil. Scholars and one Ph.D. scholar.

Submission of M.Phil thesis:

1. **Mrs. Ch Kalpana**, Lecturer in Physics, under the guidance of Dr Ch Srinivasu, Reader in Physics, submitted her MPhil dissertation entitled '**Study of Molecular Interactions on Binary Mixture Anisaldehyde and Toluene from Acoustic and Thermodynamic Parameters at Temperatures 303.15 K-318.15k**', to Acharya Nagarjuna University in July.
2. **Sri PVS Sairam**, Lecturer in Physics, under the guidance of Dr G Srinivasa Rao, Reader in Physics, submitted his MPhil dissertation entitled, '**Ultrasonic Velocity Studies in 1-Heptanol and Benzene Mixture at Different Temperatures**' to Sri Krishna Devaraya University in September.

Registration:

1. **Sri B Johnson**, Lecturer in Physics, registered for Ph.D. (part-time) in the area of glass science (Physics) at Acharya Nagarjuna University under the guidance of Dr G Srinivasa Rao, Reader in Physics, in June 2010.
2. **Sri Kola Sekhar**, Lecturer in Telugu, has registered for Ph.D.
3. **Smt.Ch.Bhargavi**, Lecturer Chemistry, has registered for Ph.D.
4. **Sri K.M.Nagarjuna**, Lecturer in Statistics, registered for M.Phil program in Acharya Nagarjuna University during October 2010.

UGC Teacher Fellowship:

The following lecturers who have been granted the Teacher Fellowship of the UGC are doing their research as full-time scholars.

Sri B.Raju, Dept. of English, **Sri D.Bala Karuna Kumar**, Dept. of Chemistry and **Sri D.V.Satish**, Dept. of Physics, have been awarded Faculty Development Program for carrying out their Ph.D. research.

Academic year 2011 – 2012

Research activities:

Ph.D Awarded:

Sri Ch Srinivasa Rao, Dept. of Physics, was awarded Ph.D. degree in Physics for his thesis entitled “**Dielectric and Spectroscopic Investigations on Multi component Lithium Aluminium Zirconium Silicate Glasses mixed with TiO₂ and WO₂ & Spectroscopic features of Pr³⁺ and Er³⁺ ions Li₂O-ZrO₂ – SiO₂ Glass Matrices mixed with some Sesquionides**” by Acharya Nagarjuna University on 15.09.2011.

Sri T.Srikumar, Dept. of Physics, was awarded Ph.D. degree in Physics for his thesis entitled “**Microstructural, Dielectric and spectroscopic properties of Li₂O-Nb₂O₅-ZrO₂-SiO₂ Glass system crystallized with CuO and V₂O₅ & Emission features of Nd³⁺ and Ho³⁺ ions in Li₂O-Nb₂O₅/Ta₂O₅/La₂O₃-ZrO₂-SiO₂ Glass systems**” by Acharya Nagarjuna University on 15.09.2011.

Sri N. Suresh Babu, Dept. of Sanskrit, was awarded Ph.D. degree in Sanskrit for his thesis titled “**Adhunika Jivane Yogasastrasyanushilanam**” (A Study of Yoga in the Modern Life) by Acharya Nagarjuna University, on 29-10-2011.

Mrs.B.Siva Kumari, Dept. of Botany, was awarded Ph.D. degree in Botany for her thesis entitled “**Physiological Analysis of Growth and Yield of Bt and Non Bt Cotton Hybrids under different level of Nitrogen**” by Chowdary Charan Singh University, Meerut, on 31.12.2011.

Mrs.T.Rose Mary, Dept. of Botany, was awarded Ph.D. degree in Botany for her thesis entitled “**Evolution Of Anti-Diabetic, Anti-Inflammatory, Anti-Pyretic Activities And Toxicity Study Of Chrysophanol and Methanolic Leaf Extract Of Cassia Auriculata L On Albino Wistar Rats**” by Acharya Nagarjuna University on 18.01.2012

UGC Major Research Project:

Dr.Durga P.Ojha, PG Dept. of Physics, **Dr.B.Venkateswara Rao**, Dept. of Chemistry, **Dr.M.C.Rao**, Dept. of Physics and **Dr.M.Srinivasa Reddy**, Dept. of History were working on UGC-funded Major Research Projects.

M.Phils Awarded:

Ms.T.Sai Mamata, Dept. of English, was awarded M.Phil degree in English for her dissertation entitled ‘**Kamala Das as a Confessional Writer**’ by Acharya Nagarjuna University on 24.02.2011.

Sri PVS Sairam, Dept. of Physics, was awarded M.Phil degree in Physics for his dissertation entitled ‘**Ultra sonic investigations in binary mixtures**’ by SKD University, Ananthapur, on 14.05.2011. He was guided by Dr.G.Srinivasa Rao, Reader in Physics, ALC.

Research Guidance:

One of the research scholars under the guidance of **Dr.Durga P.Ojha**, PG. Dept. of Physics, **Mr.K.Veerabhadra Reddy** was awarded Ph.D. degree for his thesis entitled, “**Theoretical and Experimental Studies on Mesogens and Non-Mesogens**” by Acharya Nagarjuna University in September 2011.

Another research scholar under the guidance of **Dr.Durga P.Ojha**, viz. **Mrs. V. Gayatri** was awarded M.Phil. Degree for her dissertation entitled, “**Computer Simulation of Molecular Organization in a Nematogen – The Role of Thermodynamic Parameters**” by AcharyaNagarjunaUniversity in January 2012.

One of the research scholars guided by **Dr.G.Srinivasa Rao**, Dept. of Physics, namely **Ms.T.Sujana** was awarded M.Phil degree for her dissertation titled “**Thermoacoustic Investigations of Chlorobenzene and Benzene System**” by Acharya Nagarjuna University in June 2011

Three scholars guided by **Dr.CH.Srinivasu**, Dept. of Physics, were awarded M.Phil degree by different universities. (**Y.Sreedevi and M.Pushpalatha** by SKDUniversity and **T.Karunakar** by AcharyaNagarjunaUniversity) during the academic year 20011-12

One of the Scholars of **Dr.G. Sahaya Baskaran**, **Ms.A.V.Sri Pallavi** was awarded M.Phil degree for her dissertation entitled “**Spectroscopic Properties of Samarium ion doped PbO-B₂O₃-SiO₂-Al₂O₃ Glass system**” by Acharya Nagarjuna University on 18th January 2012. **Five more scholars** are pursuing research under the guidance of **Dr.G.Sahaya Baskaran** in the Dept of Physics.

Mr.K.L.N.Sastry, a research scholar under the guidance of **Dr.N.Srinivasa Rao**, Dept. of Statistics, has been awarded an M.Phil degree by Acharya Nagarjuna University for his dissertation entitled “**Implementation of Tests for Circular Uniformity in Verifying Goodness of FIT of Cardioid and Wrapped Cauchy Distributions**” on 18th July, 2011.

A research scholar under the guidance of **Dr.G.Srinivasa Rao**, Dept. of Physics, **B. Madhavi** submitted her M.Phil dissertation entitled “**Thermoacoustic And Thermodynamic Investigations On Binary Mixture Containing N,N-Dimethyl formamide And Tetrahydrofuran**” to Acharya Nagarjuna University in October 2011.

Another research scholar under the guidance of **Dr.G.Srinivasa Rao**, Dept. of Physics, **C.Satya Karuna** submitted her M.Phil dissertation entitled “**Thermodynamic And Infrared Spectral Investigations Of The Binary Mixture Aniline And O-Cresol**” to AcharyaNagarjunaUniversity in November 2011

A research scholar under the guidance of **Dr.Durga P.Ojha**, viz **Ms. T. Anusha** submitted her M.Phil. Dissertation entitled, “**Phase Behaviour and Thermodynamic Properties of Nematogens – A Computational Analysis**” to AcharyaNagarjunaUniversity, Guntur.

Registration:

Sri P Venugopala Rao, Lecturer in Mathematics, registered himself for Ph.D. program in Mathematics under the guidance of **Dr.N.V.Ramana Murthy**, Reader in Maths, ALC, at AcharyaNagarjunaUniversity, on 15-02-2011.

Sri P.Anand, Lecturer in PG Biotechnology, registered himself for part time Ph.D. program at **GITAM University, Vizag**, on 03-03-2011.

Dr.N.Suresh Babu, Lecturer in Sanskrit, registered himself for Ph.D. program in Telugu at the Dept. of Telugu and Oriental Language, AcharyaNagarjunaUniversity, on 07-12-2011.

Sri M.Srinivas, Sri.N.Niranjana and Sri K.Srinivas, Dept. of statistics, registered themselves for part time Ph.D. at AcharyaNagarjunaUniversity.

Academic year 2012 - 2013

Research activities:

Ph.D Awarded:

1. **Sri A.V.Ravi Kumar**, Dept. of Physics, was awarded Ph.D. degree in Physics for his thesis entitled “**Dielectric and Spectroscopic Investigations on $\text{Na}_2\text{SO}_4\text{-B}_2\text{O}_3\text{-P}_2\text{O}_5\text{: TiO}_2\text{/MnO/MoO}_3$ Glasses**” by Acharya Nagarjuna University on 07th August, 2012.
2. **Sri B Raju**, Dept. of English, was awarded Ph.D. degree in English for his thesis entitled “**Exploring the Aboriginal Australian Literary Discourse**” by Acharya Nagarjuna University on 29th October, 2012.
3. **Sri D Praveen Kumar**, Department of Zoology, was awarded Ph.D. degree in Zoology, by AcharyaNagarjunaUniversity, Guntur, on 15th September 2012.

UGC Major Research Project:

Dr.M.C.Rao, Dept. of Physics, was continuing his work on a three year UGC-funded Major Research Project entitled “**Growth and Characterization of LiCoO_2 and LiMn_2O_4 Thin Film Cathodes for Novel Micro battery Application**” for which he was in receipt of UGC grant of Rs.9.22 lakhs (3 years)

M.Phils Awarded:

1. **Mrs.P.Anila**, Department of Chemistry, awarded M.Phil Degree in Chemistry for her thesis entitled “**Studies of Some Thermodynamic Properties of Binary Mixtures of Dimethyl Sulfoxide with Alkyl Acetates at Different Temperatures**” by Acharya Nagarjuna University, on 7th July 2012.
2. **Smt.B.N.Padmavathi**, Lecturer in Mathematics, was awarded M.Phil degree in Mathematics by Acharya Nagarjuna University, on 18th July 2012.
3. **Sri.Y.Sai Subrahmanyam**, Lecturer in Mathematics, was awarded M.Phil degree in Mathematics by Madurai Kamaraj University, in August 2012.

Research Guidance:

Ph.D. Awarded:

Ms.D.Madhavi Latha, a scholar under the guidance of **Dr.CH.Srinivasu**, Department of Physics, has been awarded Ph.D degree for her thesis on “**Thermal and optical properties of some 70.0m liquid crystalline compounds**” by Acharya Nagarjuna university in February 2013.

M.Phil Awarded:

1. One of the Scholars under the guidance of **Dr.CH.Srinivasu**, Department of Physics, **Sri Y.Yedukondalu** has been awarded M.Phil for his dissertation on “**Thermo acoustic and excess parameters studies on binary mixtures Methyl tert butyl ether with anisole, cyano benzene, nitro benzene and Toluene at five temperatures (303.5 -323.15K)**” by Acharya Nagarjuna University in February 2013.
2. One of the Scholars of **Dr. G. Sahaya Baskaran**, **Ms. Jagan Mohini** who did her research work in the Department of Physics, ALC was awarded M.Phil degree on 9th June 2012 by the Acharya Nagarjuna University. The title of her thesis is “**Influence of aluminium ions on the structure, degradation and bioactivity of B₂O₃-SiO₂-P₂O₅-Na₂O-CaO glasses**”.
3. Two of the Scholars of **Dr. M.C.Rao**, Department of Physics, who did their research work in the Department of Physics, ALC were awarded M.Phil degrees. They are **K. Ravindranadh** – awarded M. Phil. Degree with ‘A’ Grade from AcharyaNagarjunaUniversity, on 15th March, 2012 and **Ms.G. Nirmala**– awarded M. Phil. Degree with A’ Grade from Acharya Nagarjuna University, on 17th April, 2012.
4. **Sri Namburi Suresh Babu**, a research scholar under the guidance of **Dr. GS Sastry**, Department of Chemistry, was awarded M.Phil degree for his thesis titled “**Synthesis and characterization of novel Organophosphorous compounds**” by Acharya Nagarjuna University, Guntur, in the month of August 16, 2012.
5. Two of the Scholars under the guidance of **Dr.G.Sambasiva Rao**, Department of Telugu, viz., **Sri A.N.V.R.Jaganmohan Rao and Sri O Prasad**, were awarded M.Phil degrees, by Acharya Nagarjuna University, on 18th December 2012.

Ph. D. thesis submitted/working:

1. **Ms. Sk. Mumtaz Begum**, pursuing her Ph.D. program under the guidance of **Dr.M.C.Rao** submitted her Ph.D. Thesis in January, 2013. while **K. Ravindranadh** was working for Ph.D. since April, 2012 under his guidance.
2. **Smt.Chukka Yashoda**, pursuing her Ph.D. program under the guidance of **Dr.G.Sambasiva Rao**, Department of Telugu, submitted her Ph.D. Thesis on 28th January, 2013 to Acharya Nagarjuna University.

3. **Ms.T.Durga Bhavani**, a research scholar under the guidance of **Dr.CH.Srinivasu**, Department of Physics, submitted her M.Phil dissertation on “**Study of thermo acoustic & excess thermodynamical parameters on binary mixtures of p-chloro toluene p-xylene with cyclohexane using ultrasonic technique at 303.15K and 313.15K**” to Sri Krishna Devaraya University, Ananthapur, in June 2012.
4. Two of the Scholars of **Dr. G. Sahaya Baskaran, Sri B.Vijaya Kumar and N. Krishnamacharyulu** who did their research work in the Department of Physics, ALC have submitted their M.Phil thesis during this year to the Acharya Nagarjuna University.
5. **Smt. K. Jyothi**, pursuing her M.Phil program under the guidance of **Dr.G.Sambasiva Rao**, Department of Telugu, submitted her dissertation on 15th December, 2012, to Acharya Nagarjuna University.

Registration:

1. **Sri T. Rajakumar**, Postgraduate Department of Visual Communication, registered himself for Ph.D at Acharya Nagarjuna University on the topic “**Diffusion of Innovations in Mobile Communication - An analytical study in AP**” under the guidance of **Dr.K. John Babu**, Acharya Nagarjuna University, on 17th February 2012
2. **Mrs. G. Syamala**, Lecturer in English, was enrolled for Ph.D in English.
3. **Ms.S.Sailaja**, Department of Botany, registered herself for M.Phil program at AcharyaNagarjunaUniversity in June 2012.

Academic Year 2013 - 2014

Research activities:

I. Ph.D Awarded:

Sri M.Vijaya Kumar Reddy, Dept. of History, was awarded Ph.D. degree in History for his thesis entitled “**A Historical Study of the Land Revenue Administration of Rayalaseema under the British Crown (1858-1947)**” by S.V.University, Tirupati, on 22.06.2013.

Sri D Venkata Satish, Dept. of Physics, was awarded Ph.D. degree in Physics for his thesis entitled “**Room-Temperature Synthesis and Characterization of Transition Metal Ions Doped ZnCdO Nanopowders**” by Acharya Nagarjuna University, Guntur, on 03.07.2013.

Rev Fr A Rex Angelo SJ, Dept. of English, was awarded Ph.D. Degree in English for his thesis entitled “**English Language Learning at Degree Colleges in Andhra Pradesh: An Exploratory Study of Major Factors Influencing Learners’ Performance in Second Language**” by University of Madras, Chennai on 21st December, 2013.

Sri K.Rayapa Reddy, Dept. of Chemistry, was awarded Ph.D. degree in Chemistry for his thesis entitled “**Phase Equilibrium, Acoustic, Volumetric**

and Transport Studies of some Binary Liquid Systems of N-Methyl-2-Pyrrolidone” by Acharya Nagarjuna University, Guntur, on 27.12.2013.

Sri.Y.Hanumantha Rao, Dept. of Chemistry, was awarded Ph. D. in Chemistry for his thesis entitled “**Characterization and defluoridation studies of active carbons derived from biomaterials of Typha angustata, Lagenaria siceraria and Acacia farnesiana plants as adsorbents**” by Acharya Nagarjuna University on 10.01.2014.

Major Research Project:

Dr.B.Siva Kumari, Dept. of Botany, was awarded a Major Research Project entitled “**Establishment of Model Nursery**” by the State Medicinal Plant Board, Hyderabad, with a grant of Rs. 20 Lakhs, on 2nd January 2014.

Dr.B.Siva Kumari, Dept. of Botany, continued her UGC-sanctioned Major Research Project on “**Biology-Nano Materials-Green Nanotechnology**”. The grant sanctioned for the Project is Rs.11,87,000/- for a period of three years.

Dr. M.C.Rao, Dept. of Physics, continued his work on the UGC-funded Major Research Project entitled “**Growth and Characterization of LiCoO₂ and LiMn₂O₄ Thin Film Cathodes for Novel Micro battery Application**” and the Project’s tenure concluded by June 2014.

Minor Research Project

Dr.B.Siva Kumari, Dept. of Botany, was awarded a Minor Research Project entitled “**Establishment of Herbal Garden**” by the National Medicinal Plant Board, New Delhi, with a grant of Rs.2,60,000/- on 2nd January 2014.

M.Phils Awarded:

Mr.K.M.Nagarjuna, Dept. of Statistics, was awarded M.Phil degree for his dissertation entitled “**Exponential-Log Logistic Additive Failure Rate Model-An Inferential Study**” under the guidance of Prof.K.Rosaiah, Dept. of Statistics, AcharyaNagarjunaUniversity, Guntur, on 2nd January 2014.

Ms.L.Subha, Dept. of English, was awarded M.Phil degree in English for her dissertation entitled “**Interrogating Illusion and Absurdity in Chetan Bhagats’ Five Point Someone and One Night @ the Call Center**” by Acharya Nagarjuna University, on 4th December 2013.

Sri P. Srinivasa Sastry, Dept. of Physics, was awarded M.Phil by Sri Krishnadevaraya University for his dissertation titled “**Temperature Dependence of Acoustic and Volumetric Properties of 1-Hexanol and Benzene System**” on 4th January 2014.

**Research Guidance:
Ph.D. Awarded**

Two Research Scholars, viz. **Sri K.Rayapa Reddy**, Dept. of Chemistry and **Sri P.Srinivasa Sastry**, Dept. of Physics, ALC, who pursued their research programs under the guidance of **Dr. G.Srinivasa Rao**, Reader in Physics, ALC, were awarded Ph.D. and M.Phil. Degrees respectively in their subjects, on 27th December, 2013 and 04th January, 2014 respectively.

A research scholar, **Ms.Ch.Yashoda**, under the guidance of **Dr.G.Sambasiva Rao**, Dept. of Telugu, ALC, has been awarded Ph.D. by Acharya Nagarjuna University for her thesis titled “**Raavi Ranga Rao–Saahitya Anuseelanam**” on 28th January, 2014.

M.Phil. Awarded

A Research Scholar under the guidance of **Dr.CH.Srinivasu**, Dept. of Physics, viz. **T.Durga Bhavani** was awarded M.Phil degree in Physics for her dissertation “**Ultrasonic Studies on Liquid Mixtures**” by Sri Krishnadevaraya University, Anantapur, on 24th December 2013.

Mr.B.Vijay Kumar was awarded M.Phil for his thesis entitled “**Dielectric and Optical Studies on PbO-Na₂B₄O₇-CaO-SiO₂ Glasses doped with In₂O₃**” in April 2013. **Mr.N.Krishnamacharyulu** was awarded M.Phil for his thesis “**Structural, Optical, Bioactive and Degradation studies on B₂O₃-SiO₂-P₂O₅-Na₂O-CaO Glasses doped with Chromium ions**” in May 2013. Both were guided by **Dr.G.Sahaya Baskaran**, Dept. of Physics, ALC.

Ph. D. thesis submitted/in progress

A research scholar under the guidance of **Dr.M.C.Rao**, Dept. of Physics, **Sk.Mumtaz Begum** submitted her Ph.D. thesis entitled “**Spectral Characterization of Transitional Metal ions Doped PVA Capped ZnSe Nanoparticles**” to AcharyaNagarjunaUniversity, Guntur, in April 2013.

Mr.K.Ravindranadh, pursuing his Ph.D. program from Acharya Nagarjuna University, Guntur, under the guidance of **Dr.M.C.Rao**, Dept. of Physics, ALC, has been awarded Senior Research Fellow by the U.G.C. from 1st August 2013.

Five Research Scholars viz. Mr.D.Rajeswara Rao, Ms.A.V.Sri Pallavi, Ms.G.Jagan Mohini, Ms.N.Krishnamacharyulu and Mr.Y.Sudhakar are pursuing their Ph.D. program under the guidance of **Dr.G.Sahaya Baskaran**, Dept. of Physics, ALC.

M.Phil Dissertation submitted:

Mr.A.Baddu Babu under the guidance of **Dr.G.Sahaya Baskaran**, Dept. of Physics, submitted his M.Phil dissertation to the Acharya Nararjuna University in January 2014.

Registration:

Mrs.V.Kavitha, PG Dept. of Biotechnology, registered herself for part-time Ph.D. in Biotechnology at Krishna University, Machilipatnam, under the guidance of **Dr.B.Vijaya Lakshmi**, H.o.D. Biotechnology, Krishna University, in June, 2013.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.

20% of the budger is earmarked for research promotion. During the past four years special projects of University Grants Commission viz., Basic Scientific Research and College with Potential for Excellence grants were utilised for the promotion of research on the campus. The funds spent so far is Rs. 85.00 lakhs

3.2.2 What are the financial provisions made in the College budget for supporting student research projects?

To facilitate student project works, 15% of the budget is allotted for the laboratory equipment, 15 % for Library books. Funds obtained under Basic Scientific Research, College with Potential for Excellence under Phase I and II were also utilized for the augmentation of research facilities on the campus.

3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?

Yes. The College provides seed money to faculty for research. 3% of the faculty have availed the scheme during the last four years.

3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.

The College encourages for filing the patents by the faculty. However no patent has been filed so far.

3.2.5 Provide the following details of ongoing research projects:

	Year wise	Number	Name of the project	Name of the funding agency/ Industry	Total grant received
A. College funded Minor projects	2012-13				
	2013-14				
	2014-15	5	Telugu- 1.“Dr.V.R.Rasani Navalanusilanam” Sanskrit 2.“Gumma Sambasivaravu Satakalu- Pariseelana” Statistics 3.“Relative Performance of Selective Pattern Recognition Algorithms” Chemistry 4.Development and Validation of few simple UV Visible Spectrophotometer And sensitive RPHCLC Methods for the Selected Drugs in Pure Pharmaceutical dosage forms. 5“Equilibrium Kinetics and Thermodynamics.... Leaves”	Loyola College Society	1,25,000.00
Major projects	-	-		-	-
Along with Industry	-	-	-	-	-
B. Other agencies - national and international (specify)					
Minor projects	2014	1	“Thermodynamic, Spectral and Transport Studies of Molecular Interactions in Binary Liquid Mixtures of N-	UGC	2,60,000

	Year wise	Number	Name of the project	Name of the funding agency/ Industry	Total grant received
	2014	1	Methyl-2-Pyrrolidone” “Qualitative and Quantitative Analysis of Bio Active Compounds from Rare Medicinal Plants”	UGC	205000/-
Major projects	2009	1	Application of Modern Science and Technology in the 20th Century	UGC	319100
	2011	1	Growth and Characterization of LiCoO₂ and LiMn₂O₄ Thin Film Cathodes for Novel Microbattery Application	UGC	13,57,000
	2013	1	“Biology-Nano-Materials-Green nanotechnology”	UGC	661800
	2014	1	“Establishment of Herban Garden”	National Medicinal Plant Board, New Delhi.	260000
C. Industry sponsored					

3.2.6 How many departments of the College have been recognized for their research activities by national/international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.)and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.

The departments of Physics and Biological Sciences have been recognized as “Star Departments” under the College with Potential for Excellence. The outcome of this recognition is in terms of continuing grants under the scheme

of Major and Minor Research projects to the faculty of these departments and the research output in terms of number of research publications.

3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies).

All the projects are on-going.

Completed Projects	Year wise	Number	Name of the project	Name of the funding Agency/Industry	Total grant received
A. College-funded					
Minor projects					
Major projects					
Along with Industry					
B. Other agencies - national and international (specify)					
Minor projects					
Major projects					
C. Industry-sponsored					
Minor projects					
Major projects					

3.3 Research Facilities

3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?

The College makes all efforts in getting funds from the UGC, New Delhi. The funds have been judiciously utilized for augmenting the infrastructural facilities. The College has availed UGC-funding for Basic Scientific Research and as a College with Potential for Excellence. Building space is created by the funding of the management and with the support of philanthropists and alumni. Proposals have been encouraged from the Departments for augmenting their equipment and necessary funds have been released.

3.3.2 Does the College have an information resource center to cater to the needs of researchers? If yes, provide details on the facility.

An information resource center is established in Fr Gordon Library of the College. The center is equipped with 27 computers with broadband Internet connection and an exclusive Ostillo server with more than 1,40,000 e-books and other digitalized documents. A separate Wi-Fi connection has also been provided for downloading e-journals and e-books required for the research work of faculty members.

3.3.3 Does the College provide residential facilities (with computer and Internet facilities) for research scholars and faculty?

As per the policy of the State Government of Andhra Pradesh, the Colleges are not permitted to run programs leading to M.Phil. and Ph.D. programs. Hence there are no research scholars admitted by the College. To facilitate the faculty to conduct research, computer and Internet facilities are provided in their respective faculty rooms.

3.3.4 Does the College have a specialized research center/workstation to address challenges of research programs? If yes, give details.

There is a Central Instrumentation Center in which all the major scientific gadgets are stationed. To facilitate social sciences research, there is a data processing center with SPSS package.

3.3.5 Does the College have research facilities (center, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Some of the major equipments in the Central Instrumentation Center are being utilized by researchers from other institutions. To cite an example, the UV Spectrophotometer, Atomic Absorption Spectrophotometer, etc., are being used by researchers from other institutions.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the College through the following:

- * Major papers presented in regional, national and international conferences: **312**
- * Publication per faculty: **2**
- * Faculty serving on the editorial boards of national and international journals: **4**
- * Faculty members on the organizing committees of international conferences, recognized by reputed organizations/societies: **17**

3.4.2 Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?

No

3.4.3 Give details of publications by the faculty:

- * Number of papers published in peer reviewed journals (national/international):
208
- * Monographs:
- * Chapters in Books:
- * Editing Books”
- * Books with ISBN numbers with details of publishers:

Fr Dr A Rex Angelo SJ: “English Language Learning at Degree Colleges in Andhra Pradesh: An exploratory study of major factors influencing learners’ performance in second language” by Lambert Academic Publishing (LAP), Germany, June 2014. ISBN: 9783659525599.

Fr Dr A Rex Angelo SJ: “Modern Classrooms - Medieval Pedagogies” (E-learning and Innovation in Education) in INNOVATIONS and QUALITY OF LIFE, pp. 39 - 45, published by Earthworm Books Pvt Ltd, Mumbai, January 2010. ISBN: 10:81-86945-24-5.

Fr Dr A Rex Angelo SJ: “Engaging Indian Higher Education for Social Responsibility”, University News, Association of Indian Universities, New Delhi, Vol. 47, No. 20, pp. 6 – 9. ISSN-0566-2257.

Fr Dr A Rex Angelo SJ: “Rethinking Pedagogy for our Digital Age”, University News, Association of Indian Universities, New Delhi, Vol. 47, No. 6, pp. 14 - 20. ISSN-0566-2257.

Fr Dr A Rex Angelo SJ: “Communication for Human Dignity”, Culture & Communications, Indian Media Research Journal, Chennai, No: 16, Vol: 05, pp. 3 – 10.

A Research Textbook entitled “**Investigations on Lithium Cobalt Oxide Cathode Materials Grown by PLD**” authored by **Dr.M.C.Rao**, Dept. of Physics, has been published by **Lambert Academic Publishing Company**, Germany, under **ISBN-10: 3843365245, ISBN-13: 978-3843365246** on 20th October 2010.

Dr.N.Srinivasa Rao’s (Dept. of Statistics) research work with the title “**Statistical and Related Approaches in Pattern Recognition**” was published by German publishers **VDMVerlag publications. ISBN 10: 3639287754, ISBN 13: 978-3639287752**, pp 348.

Dr.M.C.Rao’s (Department of Physics) book entitled “**Pressure Dependent Growth of Lithium Cobaltate Thin Films**” was published by **Lambert Academic Publishing GmbH & Co. KG Dudweiler Landstrasse, 99-66123 Saarbrücken, Germany, on 23rd May, 2012 with ISBN-13: 978-3659134524.**

Dr.G.A.Prasad Rao, Librarian, authored and published a book entitled “**Autonomous College Libraries in Andhra Pradesh (India)**”. ISBN: 81860733101.

Dr.B.Raju’s (Dept. of English) book entitled “**Aboriginal Voices (Emergence and Growth)**” was published by **Prestige Books International, Delhi: Sydney** in the year 2014. ISBN-0974-0473.

Dr.B.Raju, Dept. of English, co-authored a book entitled “**Chetan Bhagat**” and it has been published by **Prestigious Publications** with ISSN No.0974-0473.

Dr.M.C.Rao ‘s (Dept. of Physics) book “**Preparation of CdSe Nanoparticles by CVD**” was published by **Lambert Academic Publishing GmbH & Co.** KG Dudweiler Landstrasse 99 D-66123 Saarbrücken, Germany, 16th March 2013.

Dr.M.C.Rao’s (Dept. of Physics) book “**Growth of ZnSe Nanoparticles by CVD**” was published by **Lambert Academic Publishing GmbH & Co.** KG Dudweiler Landstrasse 99 D-66123 Saarbrücken, Germany, 29th March 2013.

Dr.M.Vijaya Kumar Reddy, Dept. of History, authored a book entitled “**Land Revenue Administration of Rayalaseema under the British Crown (1858-1947), A Historical Study**” which was published by **Lambert Academic Publishing**, ISBN: 978-3-659-17731-6, Germany, March 2014.

Dr.M. Vijaya Kumar Reddy, Dept. of History, authored a book entitled “**Land Revenue Administration in Cuddapah District-A Historical Study (from ancient period to 1965 A.D.)**” which was published by **Lambert Academic Publishing**, ISBN: 978-3-659-36268-2, Germany, May 2013.

Dr. B. Siva Kumari, Department of Botany authored a book entitled “**Bt and non Bt cotton hybrids – Nitrogen fertilizer effects**” published by **Lambert Academic Publishing (LAP)**, Germany, 2012, ISBN: 938-3-659-36730-4

- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact factor – range / average
- * h-index

3.4.4 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.

As per the policy of the Government of Andhra Pradesh, colleges cannot offer programs leading to research degrees like M.Phil/Ph.D. However, individual faculty members have been recognized by different universities as Research Supervisors who guide M.Phil and Ph.D scholars. During the last four years, these Supervisors have successfully guided 7 Ph.D scholars and 41 M.Phil scholars.

3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?

Any activity (intentional or otherwise) that is likely to undermine integrity which is essential to scholarship and research is regarded as academic malpractice by the College. It includes plagiarism, collusion, fabrication or falsification of results, or any other act resulting in unearned or undeserved credit for an author. Academic malpractice can result from a deliberate act of cheating or may be committed unintentionally. All incidents of academic malpractice intended or not, are treated seriously by the College which takes the responsibility to ensure that all students (undergraduate, postgraduate, diploma, full-time, part-time, distance, exchange, etc.) are given ample opportunity to understand fully the academic standards and requirements they must follow. Appropriate actions will be imitated against those who violated the academic standards, giving importance to natural justice.

3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental/inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavor.

Yes. The Department of Physics has collaboration with Chemistry, Computer science and Biotechnology Departments. The Research area on Bioglass is interdisciplinary in nature and 3 Scholars are working for their PhD in Bioglass.

3.4.7 Mention the research awards instituted by the College.

All those who complete their doctoral studies are honored with Fr Principal's Award of Recognition on the College Day. Besides, the management also gives best researcher award every year, taking into account the number of publications and other research activities.

3.4.8 Provide details of research awards received by the faculty

Fr Dr A. Rex Angelo SJ won the prestigious Award and Scholarship of Champion Hall to be a visiting academic at the University Of Oxford, UK for research in English Language Teaching (ELT) at the Faculty of Education and at Oxford University Computing Service.

The research paper presented by **Sri T Srikumar**, Dept. of Physics titled “**Structural investigations and physical properties of $\text{Li}_2\text{O-Nb}_2\text{O}_5\text{-ZrO}_2\text{-SiO}_2\text{:V}_2\text{O}_5$ glass system**” in the **International Workshop and Symposium on the Synthesis and Characterization of Glass/Glass-ceramics (IWSSCGGC-2010)** was adjudged the **Best Research Paper** at Center for Materials for Electronics Technology, Pune. (7-10 July 2010).

Dr. Durga P.Ojha, Head, PG Dept. of Physics, has been admitted as a **Fellow of the Royal Society of Chemistry (FRSC)** on 15th June 2012 by the **Royal Society of Chemistry, London**. He is entitled to use the designatory letters **FRSC**.

Dr. G. Sahaya Baskaran, Dept. of Physics bagged the **Best paper Award** for the paper titled “**Fluorescence Features of Samarium ion in $\text{PbO-B}_2\text{O}_3\text{-SiO}_2\text{-Al}_2\text{O}_3$ Glass System**” in the **National Symposium on Materials & Processing-2012** held at **Bhabha Atomic Research Centre, Mumbai** during 10-12th October, 2012.

Dr. M.C.Rao, Dept. of Physics, has been nominated **Fellow Member of International Science Congress Association (FISCA)** vide its communication dated 20th May 2013.

Dr. M.C.Rao, Dept. of Physics, was presented with **Bharat Shiksha Ratan Award** for excellence in Research/Scientific Work by the **Global Society for Health & Educational Growth (GSHEG), New Delhi** on the occasion of 38th National Seminar on “**Individual Achievements & National Development**” held on 30th September 2013 at New Delhi.

Dr. M.C.Rao, Dept. of Physics, was presented with **Bharatiya Vikas Ratan Award** for excellence in Applied Research/Scientific Work (**Best Scientist)/Applied Research Scientist** by the **All India Business Development Association (AIBDA), New Delhi** for the year 2013 on the occasion of 38th National Seminar on “**Individual Achievements & National Development**” held on 30th September 2013 at New Delhi.

* **Recognition received by the faculty from reputed professional bodies and agencies**

Prof. Durga P.Ojha received the **Indian Leadership Award for Education Excellence** from **Indian Economic Development & Research Association, New Delhi** on 26th August 2010 in recognition of his **outstanding services to the society and excellence in the chosen field of activity (Science & Technology)** at national level.

Prof. Durga P.Ojha received the **Chigurupati Sudheekshan Science and Technology Award 2010** by **Sudheekshan Foundation, Vijayawada**, on 18th August 2010.

Dr. M. Srinivasa Reddy, Dept. of History, served on the **Editorial Board** for the 34th proceedings volume of the **AP History Congress** for the year 2010-11.

Prof. Durga P. Ojha, PG Dept. of Physics, has been elected as a **Reviewer for International Research Journals viz. Journal of Molecular Structure, USA, and Journal of Physics & Chemistry of Solids, UK.**

Dr. P.Ramanujam, Dept. of English, has been appointed a **member (one of the 35 from different part of the world) of the HETL Review**, a prestigious journal published by the **International Higher Education Teaching and Learning Association, New York (USA).**

Dr.V.Vallabha Rao, Dept. of Hindi has been honored with **the Best Translation Award by Andhra Pradesh Hindi Academy, Hyderabad** on 14th September, 2011 and he also received **Sri Boyapati Nageswararao &Smt. Subhadra Devi Hindi prachar Gurupeeth Award, Tenali**, on 02-10-2011.

Sri N.Sridhar, Dept of Visual Communication, has been felicitated with **Sri Ravada Krishna Memorial Award by Rajamundry Chitra kalanikethan, Rajamundry, in collaboration with Art Association Guild AP, Hyderabad**, on the occasion of State-level summer residential camp for artists held during 12th to 16th May 2011.

Sri N.Sridhar, Dept of Visual Communication, has been felicitated with **Sri Madeti Rajaji Memorial Award by the Rajolu Chitra Kala Parishat, Rajole** in connection with its 10th anniversary on 8th January 2012.

Dr P Ramanujam, Reader in English, has been invited to serve on the **Editorial/Review Boards of two reputed peer-reviewed international journals: (a) Higher Education Teaching and Learning; and (b) The Journal of Applied Research in Higher Education.**

Dr.Durga P.Ojha, PG Dept. of Physics, has been appointed **Lead Guest Editor for the special issue on Liquid Crystal Research: Current Trends and Future Perspectives.**

Dr.G.Sambasiva Rao, Dept. of Telugu, has been presented with **Literary Award for his Sathakam “Telugu Baala” by Andhra Saaraswatha Samithi, Machilipatnam**, on 26th April 2013.

Dr. G. Sahaya Baskaran of Department of Physics has been recognised by Elsevier group of Journals as a Referee. He is also recognised as the adjudicator for the evaluation of PhD thesis of various Indian Universities.

UGC has sanctioned a Travel Grant to **Dr. G. Sahaya Baskaran** of Department of Physics to present a paper at the International Conference on Borate and Phosphate Glasses held at Paudubice, Czech Republic during July 2014.

Dr. G. Sambasiva Rao, Dept. of Telugu, **Dr. M. C. Rao**, Dept. of Physics and **Dr. B. Siva Kumari** Dept of Botany received Best Teacher Awards from the

Commissionerate of Collegiate Education. Govt. of AP. Dr. M. C. Rao and Dr. B. Siva Kumari received the awards consecutively for two academic years.

3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

Members of the faculty who have received State, National and International recognitions are **congratulated through the College PA system**. Their achievements are also brought to the notice of staff and students through **a message of congratulation on the College notice board and the College's official Website**. Besides, they are also **felicitated on the College Day by the Chief Guest** before the august gathering of invitees, public, parents, faculty, and students.

3.5 Consultancy

3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.

The College exuberantly encourages consultancy by the faculty members. With the permission of the Principal, the faculty members can accept consultancy either to industry or other educational institutions. The fees thus earned shall be shared by the College and the Individual in the ratio of 3: 7 only after payment of service tax, etc. as applicable.

To encourage consultancy, the College allows the faculty concerned to utilize **one day per week or four days in a month** during an academic year with the specific approval of the Principal, provided alternate arrangements for classes and other commitments are made by the faculty member.

3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?

Yes. The College has an Institute-Industry Cell. It caters to the needs of different departments to get necessary **permissions from industries to accept students for doing project works**. The Cell, in collaboration with Placement Cell arranges **recruitment drives, both on-campus and off-campus**. The Cell also offers **support services** to different departments to sign **Memorandum of Understanding (MoU)** with various industries and professional bodies in areas of mutual interest.

3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.

The College publicizes the expertise of the College by publishing a **booklet**. The official **Website** of the College also has details regarding the expertise of the College. **Fr Dr A. Rex Angelo SJ**, the Vice-principal, was sent from the College to attend the **International Conference at Universidad Iberoamericana, Mexico City, South America** on the theme "Shaping the

Future: Networking Jesuit Higher Education for a Globalizing World”
during April 22 – 24, 2010.

3.5.4 How does the College encourage the faculty to utilize the expertise for consultancy services?

The College encourages the faculty to take up consultancy services by permitting the faculty concerned to utilize **one day per week or four days** in a month during an academic year with the specific approval of the Principal, provided alternate arrangements for classes and other commitments are made by the faculty member.

3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.

Consultancy services provided by the College include training to the industrial partners, conduct of their placement interviews as experts in selection committee, educational services, technical services, etc.

Most of these services are on an honorary basis.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programs which have created an impact on students’ campus experience.

While realigning to its goals and objectives, the College identifies Extension Program as a core area of operation. In consonance with the Institutional Social Responsibility, the College believes that its existence is not only to generate and transfer knowledge, but also to provide extension services to transfer the benefits of knowledge it generates and preserves. Thus ALC organizes two distinct extension program namely **ALERT (Andhra Loyola Extension Service for Rural Transformation)** and **ALANA (Andhra Loyola Assistance for Neighborhood Advancement)**, an Extension Service and Community-based Empowerment Program introduced from the academic year 2012 - 2013 for our first year Degree students as part of the **College’s Golden Jubilee initiatives**. These extension programs are the most influential conceptualization of macro-social work practice, an integral part of curriculum which is both **‘mixed and phased’** in order to develop a comprehensive plan of action or organizing paradigm for community development and rural education.

From the academic year 2013-14 onwards Department of Ethics and Religion launched a micro-loan disbursement program in 7 Tsunami affected villages in Machilipatnam and Gudlavalleru areas. More than 250 women drawn from these villages are given micro finance to enhance their earnings paving way for their empowerment.

At entry level itself, all students are sensitized about this extension activity during the orientation program. The extension officer and coordinator of ALERT/ALANA presents to students the objectives of the extension programs of the College and their role in carrying out the Institute's Social Responsibility as its main stakeholders. Participation in the College extension activities is mandatory in the Choice-based Credit System being followed in the College. It is mandatory for every student to earn the required credits in extension activity to be awarded with the degree. This is made clear in the Calendar cum Handbook given to students.

In the same way, in the Induction and Orientation Programs conducted for the new recruits to the faculty, members are appraised and oriented towards the Institute's Social Responsibility and their role in achieving it through their active participation in the extension programs of the College.

3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?

Andhra Loyola Extension Service for Rural Transformation (ALERT) has three distinct strategies:

- **Locality Development** (Bottom-UP)
- **Social Planning** (Top-Down)
- **Social Action** (Inside-Out)

The **locality development strategy** is **bottom-up** because it is self-help, participatory model of change. Through ALERT, students provide encouragement, support, expert knowledge, etc., to people. Students work side-by-side with the local residents to create the conditions that make change and empowerment possible.

The **social planning strategy** is **top-down strategy** for **community development**. It emphasizes the technical aspects of solving problems. Thus, through ALERT, students **guide and control** the development process through the use of **technical skills** such as **sophisticated data collection** and **analysis** and **present systematic reports** to the authorities concerned.

The **social action strategy** is an **inside-out strategy** as it **focuses on organizing** those segments of the community which are being overlooked to stand-up for their rights and demands that their needs and concerns be addressed.

The College believes that its existence is not only to provide extension services for rural transformation but also to transfer the benefits of knowledge it generates to the urban neighborhood community, especially to the school-going children of the neighborhood. Thus, ALC is organizing a distinct extension program named **ALANA**, an acronym for **Andhra Loyola**

Assistance for Neighborhood Advancement from the academic year 2012 - 2013.

ALANA - Andhra Loyola Assistance for Neighborhood Advancement - Is an intervention, an educational process which intends to induce a voluntary change in behavior. It focuses on a number of target processes and outcomes and has a technological, research, and professional dimension. The chief goal of ALANA is to involve our students and their classroom learning in a meaningful way for the benefit of the schools run by the Vijayawada Municipal Corporation and other Governmental institutions.

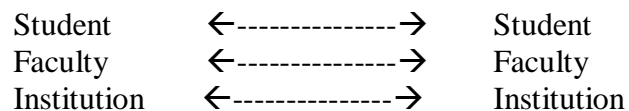
Vision:

To provide value-based, supportive, and supplementary education to the under-privileged children of Vijayawada Municipal Corporation Schools.

Mission:

To run evening supplementary coaching as a *Recipe of Joyful Learning* to enlighten children with the importance of education and by imparting the three factored formation: character building, nation building, and economic advantage to all.

The Program encompasses three levels:



At Student - Student level, the students of Andhra Loyola College tutor and mentor the children of classes VI to VIII by helping them to complete the day's home-work assigned in the classroom by their teachers and preparing them for the next day's work. The college students conduct one-hour of guided tutorial after the school hours within the school premises. The envisaged outcome of this approach is that school children will develop a regular habit of daily learning of the lessons taught in the classroom. Children will also be motivated to develop regular study habits. Care is taken in not making these guided tutorial hours burdensome and boring but make them recipes of joyful learning.

The Faculty - Faculty level addresses the needs of the school teachers in keeping them abreast of the latest developments in their respective disciplines through periodical need-based Refresher Courses conducted by the faculty of the College on the second Saturday of every month. It is envisaged that a linkage of this kind will surely contribute to a higher degree of professionalism among the school teachers.

The Institution - Institution interaction is at a higher level wherein the science laboratories and other infrastructural facilities of the College will be extended to the benefit of the Government schools.

The College has entered into a Memorandum of Understanding with the Vijayawada Municipal Corporation to implement the program and adopted 23 Upper Primary and High Schools of the City under which more than 4500 pupils are covered. Under this program, I year Degree students numbering more than 900, divided into two batches, visit the schools and accompany the pupils to help them in their homework and prepare them for the following day's studies. Occasionally, our students also conduct extracurricular activities for the pupils and bring their respective batches of pupils to our College. All these activities are conducted under the supervision of designated lecturers who will ensure our students' regularity and proper conduct in their given task and guide them in times of need. These lecturers also interact with the staff of schools whenever necessary.

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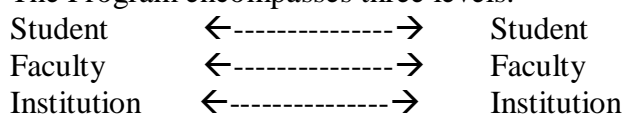
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task and guide them in times of need. These lecturers also interact with the staff of schools whenever necessary.

Self-help Groups:

Following the 2004 Tsunami, our students undertook relief and rehabilitation works in villages along the Manginapudi sea coast of Krishna District. After this, our students surveyed and identified the worst-affected five villages viz. Manginapudi, Usalavaripalem, Raipalli, Atchavaripalem and Jinjeru along the sea coast and one upland village i.e. Gudlalleru which are mostly dalit-habitats. In these villages, the women-folk have been motivated and formed into Self-Help Groups (SHGs) for their self-economic empowerment and upliftment. Initially, the SHGs were given loans with 50% subsidy. Subsequently, all the SHGs started depositing their savings in a Bank Account and created a Revolving Fund for sanction of loans among the SHGs. The SHGs programme has been running successfully since then and now there are 17 SHGs comprising 178 members in the identified six villages. The members of SHGs have become self-reliant, earning their own income by engaging in small vocations like Animal Husbandry, Tailoring, Gold Covering Work, and petty businesses.

3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?

During the academic year 2010 – 2011 as part of ALERT Program's extension services, **643 students** took up in **outreach activities** in Autonagar slums, Kanur, Ramalingaswar Nagar, Tharakarama Nagar, Vambay Colony, Kandrika, Ramavarappadu and Carmel Nagar communities. During the academic year 2011 - 2012, students carried out many programs in selected slums of Autonagar and explained to the inhabitants about **the need to eradicate child Labor**. Our students also visited slums in Budameru Katta, Ajit Sing Nagar, and Satyanarayanapuram and created awareness about the **importance of girl child education, skill training opportunities under Rajeev Udyoga Sree, and explained about health, sanitation, seasonal diseases**, etc. During the Diamond Jubilee year 2012 – 2013, under the aegis of ALANA, our first year degree students assisted the pupils enrolled in the Vijayawada Municipal Corporation Telugu Medium Schools (06) and 17 Social Welfare Hostels in **Home work completion, Improvement of writing ability, reading ability, fundamentals of Mathematics, clarification of doubts in various subjects**, etc. Simultaneously, the ALANA students taught **soft skills, Communication Skills, Socialization and leadership role**. During the academic year 2013 – 2014, under ALANA, the first year Degree girl students also participated in **service activity** in parts of Krishna Lanka, Vijayawada, on 29-30th January 2014. The students conducted **a survey of Self Help Groups (SHGs)** to collect data on their activities. The main objective of the activity undertaken is **to create awareness among the SHG members about the details and benefits of various government schemes**. Similarly, about **600 boys** of first year Degree courses undertook **clearing of Avanigadda Canal Southern (Krishna River side) bund of thorny bushes** from 13th to 28th February 2014.

Self-help Groups run by ALANA:

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3.6.3 How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC, and other National/ International agencies?

ALC has **5 units of the National Service Scheme (NSS)** and **6 units of the National Cadet Corps (NCC)**, and **1 unit of National Green Corps (NGC)**. Apart from ALERT, the College also has a unit of **All India Catholic University Federation (AICUF)**. Participation in the activities of these units also carries **one credit** under the Choice-based Credit System.

The College also works in **close collaboration** with **Non-Governmental Organizations (NGOs)** like Navjeevan Bala Vidya Bhavan, Care & Share Charitable Trust, Child Line Forum, GUIDE, Jagruthi and World Vision and one-way mission.

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Apart from the College-centralized extension program, **individual departments** also conduct **educational extension programs** promoting college-neighborhood network in which students acquire service training, which contribute to sustained community development. To cite a few examples:

Cycling: ‘Healthy and Eco-friendly too’ - Loyola Cycle Rally on 12th July 2010: Loyola Cycle Rally was organized by the College in association with the **Association of Active Bicyclers, Youth Welfare Department of Krishna District** to create awareness about the **‘Benefits of Ecology and General Health’** on 12th July 2010.

Blood Donation Camp: “Donating blood to save the lives of injured person is the social responsibility of everyone” said Fr Principal at the Blood Donation Camp jointly organized by NSS units and ALERT on 10th November 2010. In this camp, **74 students donated blood**.

The Department of Visual Communication conducted a **campaign ‘STAR DOT EDU’ on Education** from 16th to 18th September 2010 aiming at creating awareness among the people about “Education”. As part of the campaign, screening of short films, PSA’s, music videos, and many cultural performances were organized by the Department of Visual Communication.

On the occasion of **World Environment Awareness Day** on 22nd July 2010, NGC organized an awareness program for our students. **Sri Lakshmi Narayana, Environment Engineer, AP Pollution Control Board**, gave a guest lecture on the **‘Impact of Pollution on Environment’**. Students participated in **tree plantation program** in the campus. NGC in coordination with the Departments of Botany and Microbiology also organized **Essay Writing and Poster competition on environmental issues**.

Hiroshima Day was observed on 6th August 2010 in collaboration with AICUF in memory of the victims of Hiroshima Bomb blast. The Department of Botany observed **Environmental Awareness Day** on 22nd July 2010. On this occasion, the Department conducted **Essay writing and Painting competitions for the students and a guest lecture by Sri Laxmi Narayana, Environmental Engineer, AP Pollution Control Board** on environment Protection. The Department also observed **World Ozone Day** on 15th September 2010.

World Nature Conservation Day: The Departments of Botany and Microbiology conducted a **Drawing competition** for all Degree students on the topic “**Save Earth**” on 28th July 2011 in connection with **World Nature Conservation Day**. 50 students participated in the competition. The AP Pollution Control Board invited the Department of Botany to **display 21 varieties of patri (leaves)** which are offered to Vinayaka during Vinayaka Chavithi festival. The final year Botany students led by Mrs.B.Siva Kumari, H.O.D. Botany, exhibited the leaves at PWD Grounds, Vijayawada, on 31st August 2011 and explained the significance of all these leaves (patri); how they reduce the pollution and their medicinal values. **Pamphlets** also were distributed to the general public to create awareness.

World Human rights day. Department of Ethics and Religion conducts posters exhibition on December 10th and 11th commemorating the World Human rights day. Around 300 posters are seen by the students and school students and general public during these two days.

Blood Donation: NSS Units in association with the **Indian Red Cross Society** organized a blood donation camp on 9th September 2011 wherein **185 students** donated blood.

FORSAKE: The Department of Visual Communication organized FORSAKE – a **student-public interactive campaign against Corruption** during 14-16th September 2011. Students staged a street play titled “**Forsake – Correct the Corrupt**” on the campus. The objective of the campaign inaugurated by **Sri T.Premnath, former VUDA Chairman** was to educate people on the social ramification of corruption. On the 2nd day of the campaign, students staged a **street play** in local colleges and at public places.

Science, Arts & Commerce Exhibition:

A triennial two-day **Science, Arts & Commerce Exhibition** was conducted on 9-10th December 2011. **Sri G.Ravi Babu, I.A.S.**, Municipal Commissioner was the Chief Guest who unveiled the Exhibition Logo and inaugurated the Exhibition. **All the twenty departments as well as NCC and HEPSN Departments** have enthusiastically participated in the Exhibition which presented the scientific advancements that were made by the humankind and its advancement.

2nd National Voters Day: The **Arts Association** celebrated the **2nd National Voters Day** during 23-25th January 2012. On this occasion, the Association conducted competitions in events viz. **Elocution, Essay Writing, Paining and Rangoli**. A **rally to sensitize the public on the importance of voting** was taken out. A **public meeting** was organized with the voters and students of arts courses. **Dr.M.Srinivas Reddy**, Department of History, and **Sri S.Yosebu**, Department of Economics, took a group of **35 students** of the final year B.A. class to Chodavaram, Penamaluru, Ramchandra villages during 5-7th May, 2012 to make a **study on the socio-economic conditions of the rural poor**.

The Department of Botany and Microbiology conducted a “**Lab to School program**” for the school children of Z.P.H. Schools of Edupugallu, Penamaluru, Krishna district on 19th July 2012. The students of the Department of Commerce, as part of their social responsibility, visited **Children’s Home**, Bharathi Nagar-Vijayawada on 15th August 2012 and distributed sweets, and some stationery items to the inmates of the Home.

The Department of Computer Science as a part of extension service conducted a “**Lab to School**” program on 24th Aug, 2012 to students of Citizen Public School, Guru Nanak Nagar, Vijayawada. Eighty students of 7th, 8th and 9th classes participated in the program. They were taught **techniques in PowerPoint slides preparation, adding animations and transitions** to slides.

The Department of Biotechnology in collaboration with the **Lions Club of Bezwada** organized a **free eye-sight checkup camp for the school children** of ALCAA English Medium School on 12th September 2012.

The Department of Chemistry conducted a “**Lab on Wheels**” program for **students of different ZP High Schools** in the city of Vijayawada during November 2012

The Department of Visual Communication organized a **Facial Painting Competition** on the theme **Anti-Alcoholism entitled All Ka Hell – Say No To Alcohol, Yes To Life** on 5th July 2013 as a Campaign Strategy to create awareness about the ill-effects of alcoholism. About **250 students** including girls from various colleges of the city enthusiastically participated in the competition, portraying hazardous impacts of alcoholism.

The Department of Botany organized a **Youth Sensitization Program on Environmental Awareness-YOU-SEE**, College-School program at St. Mary’s English Medium High School, Ravipadu, Guntur Dist. on 28th November 2013. As part of this program, the Department organized **staff orientation program, career guidance and environmental awareness program** for the students.

All Ka Hell - A Campaign against Alcoholism: The Department of Visual Communication conducted a **Social Campaign entitled ‘All Ka Hell- Say No to Alcohol Yes to Life’** from July to December, 2013 in order to create awareness about the ill-effects of alcoholism among the general public of Vijayawada city. As part of the Campaign, students organized various awareness events viz. **Promotional Logo, Flash Mob, Signature Campaign, Street Plays and Marathon that successfully reached out to 10,000 odd people with its social message.** The Campaign began on July 5, 2013 with Facial Painting Competition to highlight the hazardous effects of alcoholism. Students from local Colleges portrayed the horrible sights of alcoholism.

Science Exhibition: The PG Departments of Physics, Chemistry, Biotechnology and Visual Communication organized **Science Exhibition** on 4th November 2013.

3.6.5 Give details of awards/recognition received by the College for extension activities/community development work.

The College extension activities and focused programs - **ALERT/ALANA** received appreciation and recognition from the district authorities, university dignitaries and State government officials. **The MoU with Vijayawada Municipal Corporation** signed by the Commissioner itself is a great recognition to the extension program of the College.

3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized

by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated?

By **staying in the Live-in Camps** conducted by ALERT, students are exposed to the stark realities of rural communities. This inculcates in them **a sense of belonging** to the local community and society. As students work side-by-side with the local residents to create the conditions that make change and empowerment possible, they inculcate **values of compassionate leadership and committed companionship**. They also become well-aware of the social realities, **sensitive to community problems and atrocities on the weaker and marginalized sections of the society**.

The exposure to **social planning strategy for community development:** Students become aware of the technical aspects of solving problems. As **students guide and control** the development process through the use of **technical skills** such as **sophisticated data collection, analysis, and systematic reporting**, they hone-up their own technical skills, presentation skills, persuasive skills, and communication skills.

The **social action strategy** of ALERT focuses on organizing those segments of the community which are being overlooked to stand-up for their rights, to demand that their needs and concerns be addressed. Thus students inculcate the habit of standing up for their rights, involve themselves in the working of local administration, standing by social justice and importance of community empowerment.

Through **ALANA**, students develop leadership qualities, values of understanding cooperation, collaboration and a sense of responsibility. They inculcate and cherish the value of 'sharing' and 'giving'.

3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.

In the extension activities of ALERT, the local communities are fully involved. During the academic year 2010 – 2011 as part of ALERT Program's extension services, local communities of Autonagar slums, Kanur, Ramalingswar Nagar, Tharakarama Nagar, Vambay Colony, Kandrika, Ramavarappadu and Carmel Nagar communities were actively involved. Through the out-reach programs, the local community was also appraised of its **unequivocal rights and awareness** was created among them about all the **beneficial social schemes of the Government**.

Similarly during the academic year 2011 - 2012, students carried out many programs in selected slums of Autonagar and explained to the inhabitants about the need to eradicate the child Labor. Our students also visited slums in Budameru Katta, Ajit Sing Nagar and Satyanarayanapuram and created awareness about **the importance of girl child education, skill training opportunities under Rajeev Udyoga Sree, and explained about health, sanitation, seasonal diseases, etc.**

Since the programs of ALANA are focused towards teaching and tutoring school children, the participating college students will **sharpen their own subject knowledge and develop the skill of convincing presentations** and will also acquire **the sense of universal brotherhood and sisterhood**.

Furthermore, as part of ALANA action plan, more than 150 school children are **brought to the campus and competitions are held** in sports, cultural and literary streams and prizes given away. The children are **taken round the Laboratories** where student volunteers demonstrated selected experiments.

3.6.8 Does the College have a mechanism to track the students' involvement in various social movements/activities which promote citizenship roles?

Yes. With full support of the College Management, **the staff coordinators of NSS activities** are constantly in touch with various social movements and organizations at the City/State/National levels. Whenever any program or rally promoting citizenship is conducted, our NSS volunteers are regularly invited for participation. **AICUF** organizes regular programs to promote **responsible citizenship** to which volunteers are periodically sent to different parts of the Country. Students also take up **regular street-plays, rallies, flash mobs, etc.**, to promote social causes in the City. It is needless to say that students gain such social sensitivity, thanks to our effective extension programs. The College Management is fully convinced of this approach, as per the motto of the College, "**Deva Seva is Desa Seva**".

The perseverance of our former pupils in social activities is also tracked through their sharing during the Annual Alumni Meet. Regularly many of our

alumni/ae organizes community development/citizenship programs throughout their active careers also.

3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.

The College has entered into a Memorandum of Understanding with the Vijayawada Municipal Corporation to implement ALANA program and thus adopted 23 Upper Primary and High Schools of the City, under which more than 4500 pupils are covered.

The College also works in **close collaboration** with **Non-Governmental Organizations** like Navjeevan Bala Bhavan, Care & Share Charitable Trust, Child Line Forum, GUIDE, Jagruthi and World Vision.

Under ALERT program, our students collaborated in the **Anti-Child Labor Drive** of the Municipal Corporation of Vijayawada.

3.6.10 Give details of awards received by the institution for extension activities and/ contributions to the social/community development during the last four years.

The College extension activities and focused programs - **ALERT/ALANA** received appreciation and recognition from the **district authorities, university dignitaries, and State government officials**. The MoU with **Vijayawada Municipal Corporation** signed by its Commissioner itself a great recognition to the ALANA program of the College.

3.7 Collaboration

3.7.1 How has the College's collaboration with other agencies impacted the visibility, identity, and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?

The College has academic collaborations with **all autonomous colleges of Acharya Nagarjuna University area, two autonomous colleges in the Andhra University area and two autonomous colleges in the Osmania University area**.

The College has linkage with **XXXresearch organizations and industrial houses** for promoting research.

As the College is managed by the Society of Jesus, an International Order of clergy men, it has linkages with international organizations like **Jesuits in Educational Apostolate (JEA), International Jesuit Scientists' Forum, and top Jesuit Universities all over the world**.

The Degree Wing of the College has the following MoUs signed with different industries for collaboration and mutual enrichment:

Name of the Department	Companies entered into MoU with	Purpose of MoU
Physics	Acharya Nagarjuna University Postgraduate Center, Nuzvid	Collaborative research activities in the field of liquid crystals
Physics	JNTU - Hyderabad, St. Theresa's College - Eluru, PB Siddhartha College – Vijayawada, Maris Stella College - Vijayawada, VSR & NVR College - Tenali, SDMS College - Vijayawada, JMJ College - Tenali, VKR College - Buddhavaram, AG & SG Siddhartha College - Vuyyuru.	Designing the curriculum of Physics
Physics	Spectrochem Instruments Pvt. Ltd., Hyderabad, INCAP Capacitors, Nidamanuru and Efftronics, Vijayawada	On-the-job training and Internship
Chemistry	Hetero drugs Pvt Ltd	On-the-job training of students
Botany	<ol style="list-style-type: none"> 1. JMJ College for women- Tenali, 2. Hetero drugs Pvt Ltd, Vij, 3. Department of Biotechnology, KL University 4. Jawaharlal Nehru Institute of Advanced Studies 5. Centre for Internet and Society, Access to Knowledge Program 6. IBS Institute of Biological Sciences, Guntur 	
Zoology	Sujay Biotech Pvt. Ltd., Vijayawada & Darwin Formulations, Vijayawada State Institute of Fisheries Technology (SIFT), Kakinada	Service training, in curriculum development and internship Practical training of students in aquaculture practices. So far, two batches of students

		have been sent for training.
Biotechnology		
Electronics		
Visual Communication	Department of Mass Communication, Loyola Academy, Secunderabad, Telangana	Practical training and internship of students
Loyola ELT Research Center	Dept of English, St Joseph's College (Autonomous), Trichy	Conduct of action research in ELT

The Post-graduate Wing of the College has the following MoUs signed with different industries for collaboration and mutual enrichment:

Name of the Department	Companies entered into MoU with	Purpose of MoU
Professional Courses:		
MCA	<ol style="list-style-type: none"> 1. Galla IT Services Pvt Ltd., Vijayawada 2. Krishnas Software Technologies, Vijayawada 3. Dr.COMPUTER.IN IT AND ECOM SERVICES 4. S.S.Enterprise Solution Provider 5. moz-Tech, Vijayawada 	Curriculum design, industrial visits, guest lectures, placements, & internships
MBA	<ol style="list-style-type: none"> 1. Sree Seetarama Paint Industries, Vijayawada 2. Mithra Auto Agencies Pvt . Limited, Vijayawada 3. Midland Infratech India Pvt. Ltd., Vijayawada 4. Arka Leisure & Entertainment Pvt Ltd., Chinakakani 5. L & T Hitech City Limited, Vijayawada 6. Comfort Enterprises & Comfort Makers,Vijayawada 7. Seshasayee Knittings Pvt. Ltd., Vijayawada 8. Aparna Jute Creations, Vijayawada 	Curriculum design, industrial visits, guest lectures, placements, & internships

	9. Lakshmi Steel Pipes & Tubes, Surampally	
M Sc. Courses:		
Mathematics	1. MVR & ASSOCIATES Chartered Accountant, Vijayawada	Placements, & internships
Physics	1. Andhra Vani, News Paper, Vijayawada 2. Suntrax Technologies, Vijayawada	Curriculum design, industrial visits, guest lectures, placements, & internships
Chemistry	1. Hayagreeva Bio Organics Pvt. Ltd, Vijayawada 2. Laila Impex, Vijayawada	Curriculum design, industrial visits, guest lectures, placements, & internships
Botany	1. IBS Institute of Biological Sciences, Guntur	Curriculum design, industrial visits, guest lectures, placements, & internships
Biotechnology	1. IBS Institute of Biological Sciences, Guntur 2. People's Clinic, Vijayawada	Curriculum design, industrial visits, guest lectures, placements, & internships
Visual Communication	1. Maharishi Advertising Network, Vijayawada 2. Candid Reels, Vijayawada 3. Ark Media Labs, Vijayawada 4. Surya Narayana Art Productions (SNAP), Guntur 5. VIEWS (Media Solutions), Vijayawada	Curriculum design, industrial visits, guest lectures, placements, & internships

3.7.2 Mention specific examples of, how these linkages promote

- * **Curriculum development**
- * **Internship, On-the-job training**
- * **Faculty exchange and development**
- * **Research, Publication**
- * **Consultancy, Extension**
- * **Student placement**
- * **Any other, please specify**

Using the academic linkages the College has with other Jesuit autonomous colleges spread all over the country, **enrichment of curriculum** is ensured. Through consultations with the departments concerned, each department of the College had designed a **nation-wide accepted curriculum**. To cite a few

examples, the curriculum of the skill-based electives and general elective, **Pharma Drug Marketing** was designed using the expertise of industry partners. The curriculum **B.Sc. Electronics Technology** was designed with the active involvement of its industrial partner, **Efftronics India Ltd.**

The MoUs entered with several industrial partners and academic institutions is to facilitate **internship, on-the-job training, and for faculty development.**

In collaboration with **NGOs** for extension activities, the College works in close association with like Navjeevan Bala Bhavan, Care & Share Charitable Trust, Child Line Forum, GUIDE, Jagruthi and World Vision. With Navjeevan, the student volunteers of ALERT identify **homeless street children, child labor and victims of trafficking among children.** The identified children are sent to the **skill-training centers** of Navjeevan or admitted to bridge schools and girls hostel run under National Child Labor Program. In collaboration with **Care and Share**, students of the College conduct **medical camps and visits to the rehabilitation homes for the disabled and HIV victims.** With **Child Line Forum**, the volunteers of ALERT help in **rescuing destitute-children, organize motivation sessions for parents, counseling the destitute-children and help in formation of child clubs.** With **GUIDE**, the ALERT volunteers of the College take part in community-based activities like **promotion of community health, eradication of child labor, plantation activities, and awareness programs on AIDS.** In association with **Jagruthi**, students help in maintaining the **bridge school of NCLP** and conduct awareness programs on the **impact of globalization.** The College has signed a **Memorandum of Understanding with Indian Red Cross Society** for student-volunteers to **donate blood thrice a year.**

The MOU between Help the Blind Foundation, Hong Kong and HEPSN wing of ALC enabled supporting the Visually Challenged Students of ALC through Scholarships and assistive devices such as Angel Readers. The Visually Challenged Students staying in Hostels receive scholarships to a tune of Rs. 25,000/- each per annum.

Department of English promotes Publication through Linkages with journals 'Notions' published from Meerut with ISBN and Prestige Publication (New Delhi & Sydney)

3.7.3 Does the College have MoUs nationally/internationally and with institutions of national importance/other universities/industries/corporate houses, etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?

Almost every department of the college has entered into a Memorandum of Understanding with at least one academic institution or industry. **Almost 50 MoUs** mainly cater to the involvement of the industrial personnel in the

curriculum development, their contribution as members of Boards of Studies. Guest lecturers from the partner institutes are arranged to augment the teaching-learning process. **Collaborative research activities, on-the-job training, industrial visits, placements, and internships** are other benefits of these MoUs.

3.7.4 Have the College industry interactions resulted in the establishment/creation of highly specialized laboratories/facilities?

The laboratories for B.Sc. Electronic Technology are established with the technical support of the industry partner, Efftronics India Ltd. Same is the case with the PV labs of Renewable Energy Management.

3.7.5 Any additional information regarding Research, Consultancy and Extension, which the institution would like to include.

Criterion IV: Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The Prospective Development Plan of the College is submitted to the Governing Body of the College. It includes the physical infrastructural requirements of various departments. The Governing Body, in consultation with the Principal and Correspondent of the College, plans and decides on issues pertaining to additional built-up space or renovation of existing buildings.

During the period of review, **a new built-up space to a tune of 13690 Sq. Ft has been added.**

To ensure optimum utilization of the College infrastructure:

- The curriculum includes General Electives for which the science laboratories and computer laboratories are used for instruction.
- **B.Com (Computers)** and **B.Com (Professional)** courses were started, utilizing the existing space of the computer center.
- Utilizing the strength of the computing facility, the Dept. of Zoology and Biotechnology could include practicals in Bioinformatics.
- The College runs the **Distance Education Centre of Pondicherry Central University** on Saturdays and Sundays only, making use of the existing facilities.
- The College keeps **'Open House'** of Laboratories for the school children to come and visit twice a year.
- The **College grounds** are available **for use by other institutions** and the funds thus generated are utilized for grant of scholarships and for exemption from payment of tuition and hostel fees to students who have distinguished themselves in games and sports.
- The **auditorium** is given for **social** and **Government-sponsored functions** and the funds thus generated are utilized for **Poor Students' Fund** and for providing **free or subsidized midday meals to economically poor students.**
- **Kaladarshini**, the center for fine arts, makes use of the College premises to conduct its summer coaching camp in various disciplines like music, dance, drama, folk arts, drawing & painting, etc.
- During Sundays, the College buildings are rented out for the conduct of **private examinations** like bank recruitment examinations, competitive examinations, etc.

- During summer vacation, **Computer labs** are rented out for conducting various **online examinations** of other universities.
- The College also conducts the **web-based counseling** of AP State Council for Higher Education for admissions through Engineering, Agriculture and Medical Common Entrance Test (EAMCET) and Integrated Common Entrance Test (ICET) for admission into MBA and MCA courses.

4.1.2 Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

The College has a well-defined policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment. The recent initiatives include the establishment of the following:

- 5 Smart classrooms are established with Clarity MI Smart Board which converts any whiteboard into an interactive whiteboard that takes total control of the mouse and keyboard, Wireless Digital Interactive Whiteboard combined with wireless RF technology, Clarity-visualizer for projecting 3D objects, any teaching materials, specimens, etc., Clarity Waistband Amplifier, Clarity-Lectern which is an attractive public address podium that features an all-in-one design. A flexible gooseneck microphone and lamp are provided as well.
- New laboratories have been established for the nascent courses of **B.Sc. Food Technology, B.Sc. Electronics Technology B.Voc. Courses:** Paramedical and Hospital Administration and Renewable Energy Management.
- **A new laboratory with state-of-art facility** was created for B.Sc. Animation and Visual Effects.
- **A separate and spacious Canteen Block** was added to the existing infrastructure.
- **A separate block for housing health Center and Day Scholars' Center** was added.
- **12 L C D's in all the Labs and conference Halls** have been added.
- The Campus is **Wi-Fi-enabled**.
- **A Green House** was established on the campus.
- **A new Skill training center** was created on the campus.
- **Separate built-up space is created for Xerox and sale of stationery items.**
- **An 8-lane athletic track** of international standard was laid with funding from UGC.

4.1.3 Does the College provide all departments with facilities like office room, common room, and separate rest rooms for women students and staff?

Yes. Each department has its own **faculty room**. Besides the individual departmental faculty rooms, a **General Staff Room** is also provided for the faculty. The **Ladies Waiting Hall cum Rest Room** is housed in a separate building with a floor space of 535 Sq. mats.

4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?

- An **elevator** has been provided in the North Block for use of the differently-abled students.
- **Side-railings** for easy climbing of stairs/steps have been provided on the staircases in all blocks.
- **Special ramps** have been constructed at every point of entry to facilitate their easy mobility.
- The English Language Laboratory also runs **software for the visually challenged** students.

4.1.5 How does the College cater to the residential requirements of students? Mention

- * Capacity of the hostels and occupancy (to be given separately for men and women)
- * Recreational facilities in hostel/s like gymnasium, yoga center, etc.
- * Broadband connectivity/Wi-Fi facility in hostel/s.

From the very inception, ALC has been preponderantly residential. Since most students from rural areas wanted to benefit from the quality education offered by ALC, hostel facilities became a necessity to cater to their needs. Students reside in four hostels: **Goninan Hostel, Ragavendra Hostel, Xavier Hostel and Sanjeevan Hostel.**

Gogineni Hostel is with **300 single rooms for inmates, 4 rooms for officials besides Director's Office, Hostel Office along with a parlor and reading room.** It has a **huge dining hall and a recreation/TV hall** for the inmates. It houses **400 inmates hailing from many States of India.** Inmates study intermediate and Degree courses.

Similar to Gogineni in structure, **New Hostel** is with **300 single rooms for inmates, 4 rooms for officials besides Director's Office, Hostel Office along with a parlor and reading room.** It has a **huge dining hall and a recreation/TV hall** for the inmates. It houses **425 inmates** hailing from many States of India. Inmates study Degree, PG, and Engineering courses.

Xavier Hostel is the campus Hostel for girl-students. It has **67 rooms for inmates besides Director's Office, Hostel Office along with a parlor and reading room.** It has a **huge dining hall and a recreation/TV hall.** It houses **325 inmates hailing from many States of India.** Inmates study intermediate, Degree, PG, and Engineering courses.

Sanjeevan Hostel is with **30 single rooms for inmates, 4 rooms for officials besides Director's Office with a parlor and reading room.** It has a **dining hall and a recreation/TV hall.** It houses **30 inmates hailing from many States of India.** Inmates study Degree courses.

These hostels help to promote academic excellence of students because the Director and the Assistant Directors of all hostels also teach in the College and carefully monitor the academic progress of students. Besides, the officials of the hostels also take care of the co-curricular and extra-curricular interests of inmates by organizing regular sports/ games/recreation/celebrations, etc.

Five systems with broadband connection are provided in the hostels for use of the inmates.

4.1.6 How does the College cope with the health-related support services for its students, faculty and non-teaching staff on the campus and beyond?

The College has **a health center on the campus with a qualified doctor and a full-time nurse is available on the campus**. Students are provided with **free consultation and free generic medicines**.

The College also caters to the off-Campus health-related needs of the students and staff. It has a tie-up with **City Cardiac Research Center**, a 250-bedded hospital situated within the College campus and with **St Ann's Hospital**, a 250-bedded hospital. Citi Cardiac Research Center caters to any emergency needs and at St. Ann's Hospital, which is just 3 km away, has **five beds always reserved for students of the College**.

The College administration provides **contributory Employee State Insurance (ESI)** to the un-aided teaching and non-teaching staff.

4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?

The College has **Fr. Devilish Auditorium** with more than 2000 seating capacity.

Each hostel has a Hall and an open-air auditorium where all intramural cultural competitions are conducted and Hostel Day is celebrated.

Kaladarshini, the cultural and fine arts extension of the College, is situated at the southwest corner of the campus with its own buildings and with an open air theatre. It offers several courses for students in Carnataka vocal classical, drawing and painting, harmonium, tabla, Bhraratanatyam and Kuchipudi dances. It also has a recording studio with 16-track digital sound system providing audio recording facility.

To promote sports and physical education, the College has:

S No	Courts	No	Size or area	Description
1	Football Court with a gallery	1	105 x 67.5 mts	Iron goal posts laid with rounded iron crossbar. The court is of red soil. The seating capacity of the gallery made of cement structure is 2500. There is a 4 room provision under the gallery where sports and ground equipment is stored.
2	Cricket field	1	68.5 mts in diameter 66 x 9 ft pitch	Outfield red soil. Pitch is made up of red clay
3	Athletic 8 line Track	1	400 mts with radius of 38 mts.	8-lane red clay track with cement flooring with discus and shot put circles
4	Hockey field	1	9.46 x 54.5 Sq.mts	Red clay field with cement posts and iron cross bars. Goal boards made up of cement.
5	Volleyball	3	18 x 9 mts	Red clay courts with permanent iron posts
6	Basketball	2	28 x 15 mts	Concrete courts with cement posts
7	Handball	1	40 x 20 mts	Red clay court
8	Lawn Tennis	6	156 x 36 mts	Red clay courts
9	Ball Badminton	1	24 x 12.19 mts	Black soil with cement posts
10	Indoor stadium	1	40.30 x 24 mts	It is equipped with <ul style="list-style-type: none"> • 3 cement badminton courts with latest movable posts • A multigym with eight workstations • 2 International Stag table tennis tables • Provision for carom boards and chess • Dress change room and store room • Modern lighting facility • Gallery on three sides

4.2 Library as a Learning Resource :

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, the Library has an **Advisory Committee** consisting of Fr. Principal as Chairman and with the Library Director, the Librarian and 11 senior faculties from different disciplines as members.

The functions of the Committee are:

- To discuss various aspects of the functioning of the library;
- To evolve strategies to encourage students for better utilization of the facilities provided; and
- To advise the librarian about the collection of books, developmental activities and utilization of budgets.

Some of the initiatives proposed by the Committee include:

- Establishment of **Library Book Reviewers' Association**
- **Lunch Time News Paper Reading & Listening Activity over PA system.**
- Display of banners with information on **career guidance.**

4.2.2 Provide details of the following:

- | | | |
|---|---|--------------------|
| * Name of the library | : | Fr Gordon Library |
| * Total area of the library (in Sq. Mts.) | : | 12704 Sft. |
| * Total seating capacity | : | 270 |
| * Working hours (on working days) | : | 8.30 AM to 5.30 PM |
| (Before examination days) | : | 8.30 AM to 5.30 PM |
| (During examination days) | : | 8.30 AM to 5.30 PM |
| (During vacation) | : | 9.00 AM to 2.00 PM |
- * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)
1. **Two separate reading halls for students with two 2 ton A/c's.** and chairs with writing pad in the ground floor of the library. In this section, all the Personality development books, Competitive exams preparation books and re-told classics have been arranged. Staff reading space with cushioned Godrej chairs and also curved long cane chairs for relaxed long-hour reading is arranged at the main entrance of the library with fully ventilated natural free air-zone.
 2. **E-Learning section with two 2 ton A/c's and 27 revolving computer chairs** for both students (4 hours a day) exclusively and for staff (5 hours a day). Different e-resource paid & free sites are made available in this section. Available e-journals, e-Books, e-Encyclopedias and e-Thesis are made available in flexi small banners for students' usage. A separate high-end 02TB SATA Disc GDLC server with Digital books & PPT's in Wi-Fi environment are made available for class work preparation for teachers.

3. **Reference Section** has the seating capacity with 135 chairs. More than 36 different varieties of volume collections including 30-Volume set on Sri Aurobindo, Nobel Laureates' works, the Oxford Dictionary set of 12 Volumes and more than 100 subject dictionaries are made available for users. Collected works of Mahatma Gandhi (103 Vol), Mathematician Sri Ramanujam's hand written letters (printed books), great speeches of famous persons, special collections like Atlas, paintings, Great Museums of the World (10 Vol), etc., are also available in this reference section. All these good and rare collections are kept in open access. **During holidays, these are also issued to students for their free time reading.**
4. **5 stack areas:** At the mezzanine first floor, all books for Intermediate students onside and, on the other side of the same floor, books on Arts and Humanities are arranged subject wise, by following DDC (Dewey decimal classification) scheme. On the second floor, all Language and Literature books arranged. All the science books, Computer & Electronics Textbooks are made available in the same second floor in an extended long hall. Each stack area is provided with 2 sets of tables and chairs for staff and students for quick reference. All these stack area's are connected with LAN. **Students can access and check the database from any corner of the library and select books of their choice in an open access system.**
5. **Back volume stack areas** (2 sections) maintained at the top floor i.e. Fourth floor of the mezzanine area. National Geographic books are available from 1935 onwards and the same title CD's are available for 110 years. Harvard Business Review, popularly known as HBR, Fortune, Forbes Asia, etc. are also available in separate PG stack area. The Hall (back volumes section) is well-maintained with more than 6000 books in the top floor.
6. **Librarian's Chamber** and a **separate Book Technical Processing section** where new books are processed and sent to stack areas and reference section for issue are also on the ground floor of the library.
7. Visually challenged students books also kept in ground floor.
- * Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection
 1. Floor plan is displayed at the main entrance (5ft. X 4ft. size),
 2. 3 fire alarms on different floors,
 3. Special assistance for differently abled users is provided by attenders.

4.2.3 Give details of the library holdings	Total No
a) Print (Books, back volumes and thesis)	1, 20,782

b) Non-Print (Microfiche, AV)	2,513
c) Electronic (e-books, e-Journals)	1,02,600
d) Special Collections:	
1. Text book collections	1,00,119
2. Reference books	14,663
3. Non-print (CDs/DVDs)	2,513
4. Back volumes	6,000

Special collections:

- (i) Palm leaves (5 in number) are available and one set of palm leaves entitled ‘Sarawathi Sahaasra Nama’ displayed in a glass box at the main entrance for students’ sake;
- (ii) CD’s of National Geographic 110 Years’ collection;
- (iii) CD’s of Census, data of all Districts with Mandal-level data;
- (iv) Books on Paintings, Art and World Famous Museum’s collections;
- (v) Atlas Collections, Oxford Special Dictionary – 02 Vol.’s, etc.

4.2.4 What tools does the library deploy to provide access to the collection?

- **OPAC:** Yes, the College web-site facilitates a link to access the Library. Details of documents are available with accession numbers so that users can approach the issue counter with the help of accession number and get it issued.
- Electronic Resource Management package for e-journals: Yes. **NEWGENLIB** is a Library soft-ware for both e-resource management and for hard copy of the journals.
- Federated searching tools to search articles in multiple databases: Yes. **GDLC** (Galileo Integrated Digital Learning Center) appliance is used for digital information search in the e-Learning center of the library. This GDLC **can be accessed with 108 different gadgets.**
- Library Website: Yes. In the College website, a link is provided and in addition to that **www.andhraloyalibrary.blogspot.in** is also active and periodically updated.
- In-house/remote access to e-publications: Provided in a separate A/c. hall of our **e-Learning center with Wi-Fi** around the library with a radius of 10 meters.

4.2.5 To what extent is the ICT deployed in the library?

- * **Library automation: Fully automated with barcodes using New Gen Lib Software.** The issue counter is operated with the help of barcode readers. Students’ barcode will be scanned with the help of their ID card and books are issued by the barcode provided on the title page of every book. All these operations are done in the presence of students and separate special monitors are provided for students to view the entire transactions. Students can view their holdings and a transaction on the same screen with their photograph appears on the same page.

- * **Total numbers of computers for public access:** 56 computers are provided in both UG and PG libraries for students' access in separate two e-Learning centers.
- * **Total numbers of printers for public access:** 4 printers which include one Cannon high-end Xerox cum Printer with auto-reverse facility made available for access.
- * **Internet bandwidth speed: 10 mbps.** The UG library e-Learning center is also connected with both leased line and other normal broadband connection. This facilitates uninterrupted net connectivity for research and e-class work preparation.
- * **Institutional Repository;** yes. Having I. R. and the same was brought out in year wise print form also for the readers' convenience and off-campus utility purpose.
- * **Content management system for e-learning:** yes. **GDLC** (Galileo Integrated Digital Learning Centre) appliance is used and key word search facility is provided.
- * **Participation in Resource Sharing:** Networks/consortia like INFLIBNET, NKRC from CSIR-DST, National Knowledge Commission, etc., are made available in e-Learning Center. **360 registered INFLIBNET users** who have received user-IDs and passwords from the center are availing the facilities through UGC-Nlist and other related e-sources.
- * Annual stock verification will be carried out by using hand held Barcode readers and with 100% accuracy the verification will be done in a very short time.

4.2.6 Provide details:

- Average number of walk-ins: **800 to 1000 per day** (Registers maintained)
- Average number of books issued/returned: **400 to 450 per day** (Both Register & soft copy are maintained as back files for data)
- Ratio of library books to students enrolled: **63 per student**
- Average number of books added during last three years: **3085 Books**
- Average number of login to OPAC: **300 to 400 per day**
- Average number of login to e-resources: **400 to 500 per day**
- Average number of e-resources downloaded/printed: **200 to 250 per day**
- Number of information literacy trainings organized: **3 programs a year**

They are:

1. Orientation Day for Freshers
2. Dr. S.R. Ranganathan's Birth Day (12th August) and
3. National Book Week (14-20 November)

- The Librarian also gives **extension lectures** and delivers **invited talks** at various

Universities and colleges on **user education and information literacy**.

4.2.7 Give details of the specialized services provided by the library

* (Manuscripts, Reference, Reprography, ILL (Inter Library Loan Service), Information

Deployment and Notification, OPAC, Internet Access, Downloads, Printouts, Reading list/Bibliography compilation, In-house/remote access to e-resources, User Orientation Assistance in searching Databases, INFLIBNET/IUC facilities)

4.2.7 Give details of the specialized services provided by the library:

- * **Manuscripts:** Available in reference section
- * **Reference:** More than 14,663 books/Volume Collections
- * **Reprography:** Canon Automated & two-side auto reversible Xerox cum Printer at UG and Xerox Machine at PG library and 3 normal printers are also available for users.
- * **ILL (Inter Library Loan Service):** Delnet, Acharya Nagarjuna University, Krishna University, AIRC (American Information & Resource Center) and with other 4 college libraries. Many books borrowed from Planning Commission Library and returned safely through DELNET – ILL facility. Research articles are received from AIRC, Chennai. These facilitate our users with latest developments across the globe and additional added service for Research & Development.
- * **Information Deployment and Notification:** Yes. From UGC-Nlist, NKRC & other sources, we receive information and the same is notified to our users for students' career development and other purposes.
- * **OPAC:** Yes, All document databases are available for viewing. The main website of the College gives a link to OPAC.
- * **Internet Access:** For students: 4 hours & for staff: 5 hours. Students use this for their project work and they use the Internet facility to store information in their mails.
- * **Downloads:** Facility is provided in e-Learning Centre with 56 systems in both PG & UG Libraries.
- * **Printouts:** 4 printers are available for students & staff to print old question papers of our college examinations and also University PG entrance examinations. Both soft and hard copies are made available for some special & important examinations like JAM and different entrance tests.
- * **Reading list/Bibliography compilation:** Reading lists are available for some special areas to encourage students. Book lists on Personality development, Volume Collections, special Collections, etc., are available and displayed.
- * **In-house/remote access to e-resources:** Yes, **Wi-Fi facility** is available and can be accessed with most gadgets and all the stack areas are connected. The entire library is in LAN (Local Area Network).
- * **User Orientation:** Banners are displayed on different areas for students' information. During lunch break, Librarian is always available for interaction and counseling with students.

- * **Assistance in searching Databases:** Librarian & a Technician are available for assistance and **individual password & ID** are provided to search different e-services.
- * **INFLIBNET/IUC facilities:** **360 registered users** do utilize INFLIBNET and IUC facilities regularly.
- * **Additional Book Issue Facility:** Some special students (those who are preparing for JAM, CSIR-NET, etc.) and regular general book readers are provided with additional books including Reference Collections.
- * **Library Exhibitions: Regular** annual exhibition is conducted during National Book Week time i.e. 14-20 November, every year and Special collections are also exhibited along with college annual exhibition time.
- * **Online Old Question paper service:** Before examinations all the old question papers are made available in e-Learning centre and the same are copied and attached to students emails **to save paper** as an environmental friendly care.
- * **Book Bank Facility:** Every year on an average 45 to 55 economically backward and deserving students are given book bank facility.

4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.

<u>YEAR</u>	<u>BOOKS</u>		<u>PERIODICALS</u>		<u>NEWS PAPERS</u>		<u>Stationary, Equip., Misc.</u>
	<u>Amount</u>	<u>No. of Books</u>	<u>Amount</u>	<u>No. of Peri.</u>	<u>Amount</u>	<u>No. of Peri.</u>	<u>Amount</u>
2014 - 2015	21143800	103260	767660	190	40481	248	86063
2013 - 2014	20651800	100029	768254	214	35408	285	72454
2012 - 2013	20005600	97007	730824	221	21592	209	92360
2011 - 2012	19401200	92179	303744	215	9009	198	13191
2010 - 2011	18435600	89198	269170	207	12223	202	170701
Total :-	122594400.00	587393	3614102.00	1232	140912.00	1282.00	457681.00

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services.

Yes, both formal and informal feedback is obtained from the users. Library Committee also gives regular feedback. The feedback thus obtained is utilized in providing better services to the users and for procurement of new arrivals.

4.2.10 List the infrastructural development of the library over the last four years.

2011-12 Management grants were utilized to change the complete Library **electrical wiring**. New switches, earthing, and other accessories were provided with **back-up power for one hour** to all the library computers.

2012-13 **Digital Library was established with Wi-Fi** around the library for 10 meter radius. Any student can access the digital resources with their gadgets and download resources of their choice.

2013-14 **New Students' Reading Hall with two 2 ton A/C's** were developed in the ground floor with chairs with writing pad were also provided.

2014-15 **Vitrified Tiles were fixed for entire Ground floor of 2000 sft.**

2015-16 Toilets were renovated with new pipeline and other sanitary ware.

4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the College to facilitate better Library usage? Yes

2011-12 Organized Indian Association of Special Library and Information Centers' **One-Day Workshop for South Zone** on 14, August.

2012-13 Organized **UGC-Sponsored two-Day National Conference** on 17-18, November and Conference Volume released with **ISBN**. 72 papers and 108 participants both local & non-local (from 7 States) presented papers.

2013-14 Established **Endowment Lecture** (Worth 7 lakhs in FD) on 3rd February in loving memory of Rev. Fr. D. Gordon, the second Principal of the College.

2014-15 **Two Invited Talks and Six Book Reviews** organized till date. Endowment Lecture will be on 3rd February, 2015. (Annual Activity on the Birth Anniversary of Fr Gordon SJ).

4.3 IT Infrastructure

4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?

ALC provides information technology resources to a large and varied group, including faculty, staff, students, and guests. All members of this community are responsible for using these resources in an effective, efficient, and ethical manner.

The IT Service and Security Policy of the College are to:

- Ensure that information is created used and maintained in a **secure environment**.
- Ensure that all the College's computing facilities, programs, data, network and equipment are adequately **protected against loss, misuse or abuse**.
- Ensure that all users are aware of and fully comply with the **ethical and legal procedures** to be followed.
- Create awareness that **appropriate security measures** must be implemented as part of the effective operation and support of Information Security.

- Ensure that all users understand their own responsibilities for protecting the **confidentiality and integrity of the data** they handle.
- Ensure all College-owned assets have an **identified owner/administrator**.
- **Security of our network** and of the computers used for the administration of College business is a crucial aspect of our IT-policy. For this reason, all computers attached to the network must have **the latest anti-virus software** installed and in general should be checked before any connection is made to the network by the IT department. Owners of personal computers are responsible for ensuring that their software is up-to-date in terms of security patches and anti-virus updates.
- **Firewall:** The College network incorporates a firewall to control data traffic into and out of our local network; this increases the security of our network and helps to keep the threat of **malicious attacks to a minimum** and to keep confidential information secure.
- The College follows **the software license agreements and avoids piracy** with respect to software packages.

4.3.2 Give details of the College's computing facilities (hardware and software).

- **Number of systems with configuration:** 09 SERVERS and 545 Computers (12 Apple)
- **Computer-student ratio:** 1:4
- **Dedicated computing facility:** Besides the e-Learning Center in the Library, dedicated computer labs are available for students of Statistics, B.Com, Physics and Chemistry for simulation practicals. A dedicated lab with 12 Apple Systems video and audio suites for students of Visual Communications is provided.
- **LAN facility:** All the computers are connected on Local Area Network.
- **Proprietary software/Open source software:** College licenses the use of proprietary software from a variety of companies. Unless specifically authorized by the owner of the software through the licensing agreement, software and/or documentation relating to the use of the software may not be duplicated.

The proprietary software in the College includes:

The Open source software includes:

- **Number of nodes/computers with the Internet facility:** More than 200 computers
- **Any other:**

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

IT infrastructure is upgraded in consonance with the demand of the new curricula proposed and introduced. **Campus Wi-Fi and 10 mbps leased line** are the new additions to the IT infrastructure.

4.3.4 Give details on access to online teaching and learning resources and other knowledge,

and information provided to the staff and students for quality teaching, learning and research.

- Each departmental faculty room is provided with a **computer with Internet facility.**
- The **e-Learning Center** is the centralized facility providing online teaching and learning resources.
- **Dedicated Computer facilities** for some of the departments with Internet facility.
- Our Digital Server is very much useful for students to prepare **PowerPoint presentations.**
- **UGC-Nlist** direct access is available to **360 registered users** for **INFLIBNET.**
- Details of all educational **free access e-Sources** are provided on flexi banners.

4.3.5 Give details on the ICT enabled classrooms/learning spaces available within the

College and how they are utilized for enhancing the quality of teaching and learning.

- **Five Smart classrooms** have been established with **Clarity MI Smart Board** which converts any white board into an interactive whiteboard along with Wireless Digital Interactive Whiteboard combined with wireless RF technology, Clarity-visualizer for projecting 3D objects, any teaching materials, specimens etc., Clarity Waistband Amplifier, Clarity-Lectern, an attractive public address podium that features an all-in-one design and a flexible gooseneck microphone and lamp are provided as well.
- **Forty faculty members** were trained as Master Trainers in handling these resources by professionals from the company in two sessions.
- **Computer Simulation Practicals** are provided in the Departments of Physics, Chemistry, Mathematics, and Zoology
- **Audio and Video editing suites of Visual Communication studio** are ICT-enabled.

4.3.6 How is the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?

Retraining of Faculty in e-content Development: The Departments of Physics and Mathematics organized a **week-long UGC sponsored National Workshop on “Retraining of Faculty in e-content Development”** during March 18-23, 2013. The workshop was designed to provide participants with an opportunity to improve their e-Content development skills, to engage in hands-on training program, to convert existing courses in subjects that they teach into e-learning format and produce e-learning CDs. The workshop was of training-cum-production type, involving lecture-cum demonstrations, interactive sessions, and hands-on practice. The objectives of the training program included a) Instructional Design Principles, b) Introduction to e-

learning concepts, c) content rendering and structuring, and d) practical, hands-on e-Content Development.

Infrastructural facilities in terms of **computer and the Internet are provided in the individual departmental faculty rooms**. **Centralized computing facility** is available in the e-Learning center of Fr. Gordon Library.

4.3.7 How are the computers and their accessories maintained? (AMC, etc.)

A **Hardware Engineer** and a **Network Supervisor** are in charge of the computers and networking on the campus. There are **06 hardware technicians** on the campus.

4.3.8 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?

Direct Connectivity has not yet been provided (request letter for NKN membership sent and College **Librarian is invited for NKN – Workshop in 21-22 Jan, 2016**) but some of the services of **NKC-Network** are availed.

4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?

S NO.	YEAR	AMOUNT
1	2011-2012	8,75,025.00
2	2012-2013	44,53,569.00
3	2013-2014	8,82,000.00
4	2014-2015	17,73,466.00

4.4 Maintenance of Campus Facilities

4.4.1 Does the College have an Estate Office/designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes. The **Correspondent/Procurator** is the designated officer for maintenance of infrastructure. **Landscape gardens and lawns** have been developed to make the campus greener. **The flooring in the corridors of the three major blocks is changed with ‘Tandoor Stone’**. **Botanical Garden and Herbal Garden** has been added.

4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.

The **Vice-Principals** of the Intermediate, Degree, and PG wings are in-charge of the maintenance of their respective Blocks. **A team of workers headed by a supervisor** take care of the day-to-day maintenance of College buildings and campus. There are **7 gardeners, 12 sweepers, 2 electricians and 2 mechanics** to maintain the infrastructure.

A **Hardware Engineer** and a **Network Supervisor** are in charge of the computers and networking on the campus. There are also 4 hardware technicians on the campus. During the vacations, **regular maintenance activities** take place under the supervision of the Correspondent of the College.

Criterion V: Student Support and Progression

5.1 Student Mentoring and Support

5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes. The college has an independent system for student support by way of psychological counseling and mentoring.

The College has **two professionally qualified counselors** on its rolls. Both the male and the female counselors have their **separate office** to meet their counselees. They also maintain separate **log book** for their activities. Apart from them, counseling services are offered to students under the scheme ‘**Mentoring**’ undertaken by all departments. Student mentoring in ALC is defined as a “**sustained one-to-one relationship between a caring adult and a youth who needs support to achieve academic, career, social, or personal goals**” during the entire duration their stay here.

The mentor provides consistent support, guidance, and concrete help to a student who is in need of a positive role model. Students involved in the mentoring program may be going through a difficult and/or challenging situation, a period of life in which they need extra support, or they may simply need to have another significant adult present in their lives. The goal of student mentoring is to help students involved in the mentoring program to gain the skills and confidence to be responsible for their own futures. The “**planned mentoring**” program being followed at Loyola is a way of relationships in which a student - the “mentee” - is matched with a mentor (lecturer) through a structured program with specific objectives and goals in mind. The mentoring at Loyola has a three-pronged approach:

1. **Educational or academic mentoring** focuses on improving students’ overall academic achievement, raising students’ grades, improving attendance, and curbing dropout rates.
2. **Career mentoring** helps the youth develop the skills needed to enter or continue on a career path, providing students with a role model who can familiarize them with the world of work and offer guidance and support as they prepare to make the transition from college to work or higher education.
3. **Personal development mentoring** supports youth during times of personal or social stress and provides guidance for decision making. While the above two approaches may foster improved academic performance, this approach focus primarily on improving students’ **self-esteem, behavior, and decision making ability**, reducing high risk behaviors such as gang involvement, premature sexual activity, criminal activity, and drug and alcohol abuse, and introducing students to social, cultural, and recreational activities they may not have experienced previously.

Each lecturer called ‘**mentor**’ is assigned with a batch of **20 – 25 students**. Mentor meets his/her batch of students and counsels them in their academic,

personal, and career planning. The mentor meets students **every semester** and records the meeting particulars in the '**Log-Book**' specifically designed for the purpose.

Women students get special counseling related to their specific requirements through the woman faculty members and through the **Women's Cell** of the College.

Other Support Services include **Student Welfare Committee, Grievances Redressal Committee, Placement & Career Guidance Cell, Anti-ragging Committee, Anti-Sexual Harassment Cell, Committee for People with Special Needs, Centre for Equal Opportunities, Student Council, and Remedial Coaching.**

5.1.2 What provisions exist for academic mentoring apart from classroom work?

Each lecturer called '**mentor**' is assigned with a batch of **20 – 25 students**. Mentor meets his/her batch of students and counsels them in their academic, personal, and career planning. The mentor meets students every semester and records the meeting particulars in the '**Log-Book**' specifically designed for the purpose. Mentoring also included ***Educational or academic mentoring*** focusing on improving students' overall academic achievement, raising students' grades, improving attendance, and curbing dropout rates.

Apart from this, lecturers maintain their **Academic Activities Diaries** which also record the academic performances of students of their class. While recording these details, lecturers also concentrate on providing guidance and support for all academic requirements of students.

Regular meetings of the Student Council provide another chance for the academic mentoring of students. Specific academic problems are discussed and remedial measures are undertaken.

5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed.

The College takes care of the personal enhancement and development schemes for students through the following means:

Career Counseling: The College has on its pay-roll **two full-time professionally qualified counselors** who counsel students on their career paths.

Fr. Gordon Library also does career counseling activities. All the information regarding career prospects are displayed on the Notice Board prominently. The Librarian, besides engaging the specific library hours, also emphasizes on career opportunities available to students.

Departmental Associations also conduct several career counseling sessions for their respective classes.

Jawahar Knowledge Center conducts regular career awareness/planning workshops.

Soft Skill Development: Soft skills are developed among the students through some of the General Electives like English Communication course, mathematics for competitive examinations, analytical ability, etc. The Department of English is making a constant effort in making the students communicate in English. The department offers two streams of study Stream A and B catering to the need of communicative English for Stream B and advanced level of writing skills among the Stream A. The department runs the English Language Lab for honing up the language skills.

Jawahar Knowledge Centre (JKC) established in the College provided with industry trained, and experienced faculty are involved in providing the best training to help students climb the ladder of success. JKC helps students to realize their potential and aim high in life and particularly it motivates and encourages them to be creative, independent and self-reliant. JKC Center helps students gain confidence and ability to contribute not only to their economic development but also develop life-coping skills in them. It provides Career Awareness and Planning Workshops and imparts **300 hours training on soft skills** necessary for employability.

The **General Electives** offered as part of the CBCS too help students to acquire soft skills.

The College also has a **Placement Cell** with a committee of faculty members to help students with their placements.

5.1.4 Does the College publish its updated prospectus and handbook annually? If yes, what are the activities/information included/provided to students through these documents? Is there a provision for online access?

Yes, the College regularly **publishes its updated prospectus and handbooks** annually. All the admitted students are given a free copy of the annual calendar and handbook and both the prospectus and Calendar & Handbook can be accessed on-line from the College Website. The **Prospectus** of the College lists out the courses offered by the College. It also highlights the career prospects of each course. The eligibility conditions, rules, and regulations of admission are highlighted.

The **Calendar & Handbook** contains details of the origin and history of the College so as to remind students of the rich and varied heritage of the College and the legacy students are inheriting. The **Vision and Mission** of the College are also printed in the Handbook so that students and faculty are well aware of the stated vision and mission of the college. Information regarding **autonomous status, Choice-based Credit System**, general information and rules pertaining to **admission, attendance, discipline rules**, and other procedures to be adopted are also given. **Staff details, lists of statutory and**

non-statutory committees are published so as to inform students whom to approach when required. The Handbook also contains information regarding various **Memorial Medals, annual prizes, endowments, and scholarships** awarded by the College. Finally, the academic calendar indicating **significant events, the dates of examinations, minor and major vacations and month-wise events** are given.

5.1.5 Specify the type and number of scholarships/freeships given to students

(UG/PG/M.Phil./Ph.D./Diploma/others in tabular form) by the College

Total Amount of Scholarships Received by Students from the College Management (All figures in lakhs)									
Wing	Financial year	Earn While You Learn	Student Aid Fund	Management Scholarships	Sports Scholarships	Fee concession for children	Mid-day Meals	Free Egg & Milk Scheme	TOTAL AMOUNT
UG	2010 – 2011	567714	36400	220368	35784	12200	222077	-	1094543
	2011 – 2012	308832	35420	389724	112084	-	405311	-	1251371
	2012 – 2013	87912	38660	645692	286583	-	171640	-	1230487
	2013 – 2014	163696	40820	583740	117950	-	336944	47472	1172672
	2014-2015	-	47120	641306	862550	-	308400	11076	1870452
PG	2010 – 2011	141928	19080	55091	8946	-	55519	-	280564
	2011 – 2012	77207	19480	97431	28021	-	101327	-	323466
	2012 – 2013	21978	16520	161423	71645	-	42910	-	314476
	2013 – 2014	40924	14040	145935	23590	-	84235	11868	320592
	2014 -2015	-	-	-	-	--	-	-	-

Management during the last four years. Indicate whether the financial aid was available on time.

The financial aid was not available on time since there was an unfortunate delay in the sanctioning of scholarships from the Government of AP. Therefore, the College Management responds to the financial needs of students in time.

5.1.6 What percentage of students receives financial assistance from state government,

Central government and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)

The college has a mandate of admitting students from **the marginalized and under-privileged sections of society**. All these students admitted are encouraged and monitored through a **designated office staff** to apply for governmental scholarships in-time and the applications are thoroughly checked for any errors before they are forwarded to the necessary authorities.

Online submission of forms has been also taken up. **Around 30%of students avail governmental scholarships.**

5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?

Yes. The College is run by an international organization, the Society of Jesus that **evinces global concern** in its admission policy. Special consideration is given to prospective students from overseas, especially the **refugees from Tibet**. Not going strictly by merit, special admission criteria are adopted with regard to admission of overseas students. The policy of the Management of the College is to promote universal brotherhood and sisterhood and to prepare **‘men and women for others’**.

North Eastern and Tibetan Cell: To reinstate the diminishing faith of particular sections of students, the Student Council inaugurated two cells at ALC on 1st September 2012. The two cells were named **Andhra Loyola North Eastern students (ALONES)** and **Andhra Loyola International students (ALINS)**.

*** What types of support services are available for overseas students**

The type of support services available for overseas students include **single-window admission service and induction courses** to give them an overall view of local culture and customs, **encouragement** given to conduct their own socio-cultural activities and **welfare programs** for their well-being. Apart from these general strategies, special and personal care is also given by the Student Counselor, Staff and Management to encourage them in effective learning in the classroom. They are encouraged to participate actively in college and hostel programs particularly in **games and sports and cultural festivals**.

*** The physically challenged/differently abled students**

The support services that are available for differently-abled students can be categorized into **academic support services, psychological support services and financial support services**.

- The faculty members give them **special academic guidance**.
- The College runs a **remedial program** for them.
- Special attention is paid during the **interactive sessions** with the mentors.
- Management offers **financial support** to the needy and deserving differently-abled.
- Apart from the scholarships given by the Government and the Management to **differently abled students**, some scholarships have been instituted by **philanthropists** to be awarded to such students on the College Day. To cite a few examples:

- **Mother Theresa Memorial Cash Prize** awarded to the academically brightest, visually or orthopedically challenged students.
- The amount accrued in the **C. V. Ramaiah and C. V. Lakshmi Educational and Spiritual Trust** is used for giving **financial assistance** to the needy among the visually challenged or physically challenged students.
- “Help the Blind” a charitable organization based at Hongkong disbursed scholarships worth Rs 1, 00,000 for the visually challenged students.

The College has been operating the **UGC project - HEPSN** (Higher Education for Persons with Special Needs). Under this project, besides instilling in them self-confidence and equipping them with the requisite skills to secure gainful employment, **two special software** for the **visually challenged students** have been acquired. The special software called ‘**JAWS**’ helps them to use the computer well. It is **screen-reading software** that gives accessibility to the visually challenged students. With the software ‘**KURZVEIL**’, the visually challenged students are able to read textbooks and newspapers independently.

The College also conducts **oral-examinations** for the **visually challenged students**. In addition, **scribes are provided** freely for those who want to take a written examination.

For the easy mobility of the physically challenged students, **an elevator** has been provided in one of the major blocks frequently used by them.

Side railings have been erected for the easy climbing of staircase for the differently abled students. **Ramps** are constructed at every point of entry to facilitate their easy mobility.

The **English Language Laboratory** also runs software **for the visually challenged** students.

- * **SC/ST, OBC, and the economically weaker sections Equal Opportunities Cell (EOC):** This program is a UGC-sponsored initiative. It aims at providing equal opportunities to students hailing from disadvantaged background. Regular motivational talks on topics like self-confidence, motivation, communication skills, career guidance, and leadership are organized. Students belonging to economically backward families were selected for special training in life skills.

The faculty members give **special academic guidance** to those SC/ST students who are academically backward.

The college also runs a **remedial program for SC/ST students** with the financial assistance received from **UGC**. Apart from this, various **Departments** also conduct **remedial programs**.

Special attention is paid during the **interactive sessions** with the mentors.

Management offers **financial support** to the needy and deserving SC/ST students.

Apart from the financial support given by the College Management to inculcate a proper sense of pride and self-respect, these students are preferred for the scheme “**Earn while you Learn**” run in the College.

Many philanthropists have also been encouraged to institute scholarships for these students. For example, **Sri Gujjula Subba Rao Memorial Golden Jubilee Scholarship, Graham Stewart Staines Memorial Scholarship, Archbishop Marampudi Joji Memorial Golden Jubilee Scholarship, Bishop Gorantla Johannes Memorial Diamond Jubilee Scholarship, Eleti Jeevaratnam Memorial Diamond Jubilee Scholarship** are some such ventures.

* **Students to participate in various competitions/conferences in India and abroad**

Students participating in various competitions/conferences are given necessary training and intellectual support by the faculty. Their participation is equated for the assignments to be submitted during that semester. Attendance is accorded for their leave of absence. Necessary railway concessions are recommended for their travel. Mention of their participation is made in the College Annual Day Report which is also printed in the College Magazine. Financial assistance is also provided to those students who are participating in various competitions and conferences.

* **Health center, health insurance, etc.**

Yes. The College runs in the campus **Loyola Health Center** with a **qualified doctor and a medical attendant**. Students are given **free consultation** and **free Generic medicines**. Plans are on the anvil to provide **Health Insurance** to all students.

Free Egg and Milk Scheme is another girl-students’ Health Welfare Program of the College. Under this scheme, **100 anemic girl students** are served a glass of milk and an egg after the class hours every day.

The College has a **Loyola Student Safety Fund** to cater to the needs of students who are in distress.

* **Skill development (Spoken English, Computer Literacy, etc.,)**

Skill development is ensured through the regular training programs of **Jawahar Knowledge Center**. IT skills are developed through the **Fundamentals of Information Technology (FIT)** offered as a compulsory foundation course to all first year students.

Soft skills are promoted through **General Electives**. **Analytical and quantitative aptitudes** are ensured through **General Electives**. The Department of English has recast its **General English** to empower the students with **communication skills**. **English Language Lab** adds to honing up their **communicative skills in English**. The same Department offers **Spoken English** and **English for Competitive Examinations** as their **General Electives**. The same Department also offers a course on “**English for Career Development**” for **B-stream students**. **Technical skills** in their respective disciplines are ensured through the **Skill-based Electives** offered in the VI Semester.

* **Performance enhancement for slow learners/students who are at risk of failure and dropouts**

Remedial classes are conducted for slow learners. Special attention is paid on them during the regular mentoring sessions. All the departments conduct **bridge courses**.

* **Exposure of students to other institutions of higher learning/corporates/business houses.**

Regular field visits, educational tours, and participation in national seminars expose students to other institutions of higher learning.

* **Publication of student magazines**

The College publishes ‘**LOYOLITE**’, its **annual magazine**. Students take an active role in editing and contributing articles, poems, cartoons, interviews, surveys, etc., to the College magazine.

‘**LOYOLA TODAY**’ is another campus magazine which used to be published periodically to bring out campus news.

VISCOM TIMES: Students of **PG Dept of Visual Communication** publish a **wall journal** within the campus called “**Viscom Times**” periodically. It gives information on departmental activities and achievements as well as national and international news to students on current affairs. This paper comes twice a month with latest news.

Wikipedia: As the fruit of six-day Winter Wikipedia Camp organized by the College in association with Center for Internet and Society, **45 enthusiastic volunteers** from B.Sc. (Physics) and B.A. (Telugu), who have been trained to be the contributors for Wikipedia and are **authorized to add, edit, and delete articles in Wikipedia** using the validated user ids created during the camp, have **added articles in Physics and Telugu to Telugu Wikipedia**. **The articles in Physics not present in Telugu Wikipedia have been prepared by students themselves and uploaded into Telugu Wikipedia**. They are scrutinized by experts from other parts of the world and are accepted on permanent basis. Students of Special Telugu have **uploaded the classical works of Kandukuri Veerasalingam** whose works are being digitalized and are made available as open access contents for those who search his works around the world.

80 articles in Botany not present in Telugu Wikipedia have been prepared by students themselves and uploaded into Telugu Wikipedia. They are scrutinized by experts from other parts of the world and are accepted on permanent basis.

5.1.8 Does the College provide guidance/coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?

Yes. The College conducts coaching classes for students who aspire to be civil servants.

During the last four years **180 students** were given coaching.

5.1.9 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as additional academic support, flexibility in examinations, special dietary requirements, sports uniform and materials, any other

Meritorious sports persons are given **preference in admissions**. The College Management awards **several sports scholarships**. The amount disbursed as Sports Scholarships for the last four academic years is Rs. XXXXXXXX . Meritorious sports persons are required to take **only one-mid semester examination instead of two**, if they are on Sports Meet during the second-mid semester exam. **Special diet** is also provided to sports students staying in the College hostels. Sports students are also given **track suits and other required accessories**. **5 marks** are awarded for students who represent the **College Sports Team** at least at the University-level competitions. **Free board and lodging** are provided to meritorious sports persons.

5.1.10 Does the College have an institutionalized mechanism for placement of its students?

What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes. **Jawahar Knowledge Centre (JKC)** is operating in the College with a primary aim of providing intensive training to students in employability skills and making them avail themselves of the bright opportunities in the global job market. Remarkably, **the center is best utilized by the poorest of the poor and the marginalized sections of the society**. Students from rural areas who have no access to advantages experienced by their urban counterparts are provided with the latest technologies and opportunities to upgrade their skills and encouraged to compete with others for better standards of living.

One of the specific objectives of JKC is to conduct placement drives apart from giving them placement training comprising **250 - 300 hours**. It also conducts Career Awareness/ Planning Workshops, Training Practice on employability skills by Faculty/Industry and making them participate in Campus Placement.

Entrepreneurial Development Cell (EDC) of the College also imparts necessary training for students to prepare them as entrepreneurs. Training is given to interested students in Project preparation, project management, preparation of financial proposals on starting of small scale enterprises, besides motivational talks by entrepreneurs.

Sri T Suresh Babu, Indian Ambassador to Armenia and Georgia gave a guest lecture on “**The current socio-political and economic situation in Central Asia**” on 15th December, 2014.

The National Small Industries Corporation Ltd (A Government of India Enterprise) conducted a **one-day workshop on “Entrepreneurship Development”** for students of MBA on 25th November, 2014.

Prof Sasi Kiran, RGIMS, Kakinada delivered a guest lecture on “**The Changing Face of the Retail Industry in India**” on 18th November, 2014.

5.1.11 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).

PLACEMENTS FOR THE YEAR 2014-15

S.No.	Date	Name of the Company	No. of Students recruited
1	29.11.2014	Tech Mahindra	8
2	01.12.2014	Infosys	31
3	4.12.2014	Genpact	36
4	06.12.2014	Cognizant	8
5	8.12.2014	TCS	22
6	10.12.2014	L & T	15
7	15.12.2014	Wipro	11
8	07.01.2015	Hinduja Global Solutions	08
9	09.02.2015	GE Capital	12
10	10.02.2015	MRF	07
		TOTAL	158

PLACEMENT FOR THE YEAR 2013-14

S. No.	Date	Name of the Recruiting Company	No. of students placed
1	26.10.2013	WIPRO	8
2	06.12.2013	ILM	2
3	12.09.2013	INFOSYS	2
4	18.12.2013	GENPACT	8

5	29.01.2014	iGate	4
		TOTAL	24

PLACEMENT FOR THE YEAR 2012-2013

S. No.	Date	Name of the Recruiting Company	No. of students placed
1	01.10.2012	Mahindra Satyam & Tech Mahindra	09
2	18.11.2012	Wipro	13
3	01.12.2012	ILM	31
4	12.12.2012	SERCO	06
5	12th & 13th April 2013	Abu Dhabi National Hotels Compass	05
6	14.02.2013	ITC Bhadrachalam	04
		TOTAL	68

PLACEMENT FOR THE YEAR 2011-2012

S. No.	Name of the Recruiting Company	No. of students placed
1	ADP	4
2	Wipro	2
3	Thermax	5
4	Cognizant	4
5	Nuziveedu Seeds Pvt.Ltd.	10
6	MAHINDRA SATYAM	5
7	HCL	1
8	QUATRRO GLOBAL SERVICES	5
9	DELL COMPANY	4
10	INFOSYS	5
11	ITC BHADRACHALAM	1
12	INSTITUTE OF LANGUAGE MANAGEMENT	19
	TOTAL	65

5.1.12 Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?

Yes. **Rev Fr Anslem Miranda** founded the **Old Boys Association (OBA)** in **1963**. From the very beginning, the out-going final year students have been invited to join the OBA. The OBA of ALC is the local unit of the **World Union of Jesuit Alumni** which has a membership of nearly **three and half million**. In **1990**, with the College **admitting girl-students**, the OBA was renamed as **Andhra Loyola College Alumni Association (ALCAA)**.

ALCAA has **twenty-five branches** in and outside Andhra Pradesh namely, Visakhapatnam, Kakinada, Guntur, Warangal, Kurnool, Anantapur, Hyderabad, Gulbarga, Kanpur, Varanasi, Mandya, Manipal, Pilani, Saugar, Suratgal, and Ujjain. ALCAA stands for '**solidarity and service**' - solidarity between the alumni and the college, among alumni themselves, between alumni and the present students, between alumni and the society in which they live. Our alumni association extends help to the present students by way of offering scholarships and awards, organizing seminars and training programs and by encouraging incentive and creative skills. ALCAA has established **fifteen scholarships** for the present students and eleven of them are of the value of Rs.1000 each.

At the **Silver Jubilee Celebrations** of ALC in the year 1979, the OBA came forward to construct **Fr Devaiah Memorial Auditorium** which stands as an enduring monument to the gratitude of the alumni to the immortal memory of the Founder of the College. The OBA contributed nearly **sixteen lakhs of rupees** for this cause. This auditorium can accommodate an audience of 2,000 at a time and is the biggest auditorium in the city. It stands as the **first monument in the country** entirely contributed by its grateful and generous alumni to their alma mater.

On the occasion of the **Golden Jubilee Celebrations** of ALC in the year 2004, ALCAA awarded the '**Loyola Ratna Awards**' to twenty-one illustrious alumni of the College. Besides, ALCAA also launched **the Golden Jubilee Project** of starting a **school for the poorest of the poor** in our campus. There are **160 such children and 7 teachers** to impart **quality English-medium instruction** and a maid to take care of the children. Under the innovative extension program of the College, ALANA, boys and girls of the degree sections also help these children in their studies.

A trust deed was registered by ALCAA under the title '**Andhra Loyola College Alumni Association Charitable Trust Deed**'. The Trust will be managed by a Board of Trustees consisting of members of ALCAA and members of the Jesuit Community of ALC. One of the objectives of the Trust is to render social service i.e. to promote, run, assist, and give financial support to the **socially ennobling projects to the poor**, irrespective of caste, color, and creed. ALCAA School is the immediate field of operation of this Trust. ALCAA has a website, **www.alcalumni.com** for the benefit of ALC alumni and alumnae spread all over the world.

The alumni also contribute to the development of the institution: They contribute to the **development of the curriculum**. Many of the alumni are industrialists who participate in **the Industry-Institute Interface meetings** and are members of boards of studies of the College for redesigning the curriculum as per the requirements of the industry. The **on-the-job training of students** is provided in the industries run by the alumni or in the industries known to the alumni. Similarly, the alumni render their **services** to the institution by addressing the students during seminars and guest lectures. The Alumni Association also extends help to the present students by way of **offering scholarships and awards**. They also offer **training** in their institutes for encouraging the incentive and creative skills of the present students.

5.1.13 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.

Yes, the College has a **grievance redressal cell**. It operates with Principal as its Chairman and the members include Vice-Principals, the Controller of Examinations, Dean of Humanities, Dean of Sciences, Dean of Student Activities, one senior lecturer, student counselor, and the Women's Cell Coordinator. The Cell meets at least once a semester and as and when a grievance is brought to its notice. The Cell discusses the grievances and suggests appropriate measure for the redressal of the same.

One of the major grievances brought to the notice of this Cell during the last two years was with regard to the **availability of drinking water to the students**, which was redressed by providing them safe drinking water by **installing Reverse Osmosis plants**. A total of 5 plants were erected in the campus and 3 in the hostels and each plant has a capacity of 1000 liters. **New toilets** have been added to the existing ones. **Free Internet facility to students** was provided in the College Library. **Reprographic facility** was established in the College Library for photocopying materials from reference books and other materials. **Ceiling fans** have been provided in the classrooms. **Roof** was built over the existing toilets.

5.1.14 Does the College have a cell and mechanism to resolve issues of sexual harassment?

Yes. The College has **Anti-Sexual Harassment Cell** with Women's' Cell Coordinator, Lady Counselor, representative of a NGO along with senior faculty as members. However, no complaint has been lodged so far with the cell. Thanks to the awareness created through the activities of Women's' Cell.

5.1.15 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes. There is an **Anti-ragging Committee** in the college. All students are sensitized about the evils of ragging and the punishments involved during the

orientation program conducted at the starting of the academic year. So far, no instance of ragging has been reported.

5.1.16 How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co - curricular activities, research, community orientation, etc. ?

The College has a **strong Alumni Association** which extends all its help in redesigning the curriculum and some of the members have been placed in the boards of studies. **Regular parent-teacher meetings** are organized. **Rallies and awareness programs** about various social evils in the neighborhood community and extension activities are conducted to make **the local community** integrate and identify themselves with the College. It is mandatory for all students to participate in the ALERT/ALANA extension programs geared towards the community orientation. **The communities of the identified habitations** help students to take up various activities.

5.1.17 What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?

Sports: Meritorious sports persons are given **preference in admissions**. Management awards several **sports scholarships**. The amount disbursed as Sports Scholarships for the last four academic years is Rs. 5, 43,063.00. **Free boarding and lodging** is provided for sports persons in the Hostels. Meritorious sports persons are required to take **only one midsemester examination** instead of two, if they are on sports meet during the second mid semester exam. **Special diet** is also provided for the sports students staying in the hostels. Sports students are also given **track suits and other required accessories**.

Students involved in such extra-curricular activities are given necessary training and intellectual support by the faculty. Their participation is equated for the assignments to be submitted during that semester. Attendance is accorded for their leave of absence. Necessary railway concessions are given for their travel. Mention of their participation is made in the College Annual Day Report which is also printed in the College Magazine.

Cultural events: ALC is the only college in the area of Krishna University which has separate cultural week for students of Intermediate, Degree, and PG. For example, there is a separate cultural festival, **Spandana** for students of Intermediate, **Sphoorti** for Degree and **Bhavana** for PG students. The staff and students of the particular wing are very much involved in this cultural extravaganza which gets a good coverage from the print and electronic media. **Ethnic Day** is another feast to the eyes as the College makes extraordinary efforts to showcase students from different rich cultural backgrounds. Celebrations like **Independence Day, Republic Day, Sports Day, College Day, Hostel Day**, etc., are great occasions to which staff and students look

forward for the variety entertainment. The Management strongly believes that such festivals bring people of all hues together as one family.

5.1.18 How does the College ensure participation of women in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?

Special annual sports competitions are held for all girl students and lady faculty members. They are awarded **attractive prizes on the Sports Day**. Proficient girl-students in the arena of sports are recognized and **special coaching camps** are conducted for them. The College can boast of **the finest women athletic team of the University**.

5.2 Student Progression

5.2.1 Provide details of program-wise success rate of the College for the last four years.

How does the College compare itself with the performance of other autonomous Colleges/universities (if available)

Course	Combinations	2010 - 11	2011 - 12	2012 - 13	2013 - 14	Success rate of ALC	Success rate of University
Bachelor of Arts	Economics, Politics & History	17	17	17	15		Not Available
	Economics, Telugu Literature & History	12	15	11	17		Not Available
	English Literature, Politics & History	16	20	19	16		Not Available
	Mathematics, Statistics & Economics	15	17	17	12		Not Available
	Music/Dance (Classical), Animation Design & Sound	-	-	-	-		Not Available

Course	Combinations	2010 - 11	2011 - 12	2012 - 13	2013 - 14	Success rate of ALC	Success rate of University
Commerce	B.Com (General)	78	77	69	67		Not Available
	B.Com (Computers)	39	30	38	36		Not Available
	B.Com (Professional)	-	-	-	-		Not Available
	B.B.A (Bachelor of Business Admin.)	-	-	-	24		Not Available
Course	Combinations	2010 - 11	2011 - 12	2012 - 13	2013 - 14	Success rate of ALC	Success rate of University
Vocational	B.Voc : Renewable Energy Management	-	-	-	-	-	Not Available
	B.Voc : Paramedical & Health Administration	-	-	-	-	-	Not Available
Course	Combinations	2010 - 11	2011 - 12	2012 - 13	2013 - 14	Success rate of ALC	Success rate of University
Bachelor of Science	Mathematics, Statistics & Physics	72	50	59	44		Not Available
	Mathematics, Physics & Chemistry	97	91	97	89		Not Available
	Botany, Zoology & Chemistry	18	35	12	33		Not Available
	Computer Science, Physics & Mathematics	44	45	46	48		Not Available
	Mathematics, Statistics & Computer Science	61	52	66	58		Not Available

Mathematics, Electronics & Computer Science	29	29	27	32		Not Available
Biotechnology, Chemistry & Microbiology	19	7	19	23		Not Available
Visual Communications & Electronic Media	43	32	44	49		Not Available
Food Technology, Microbiology, Chemistry	-	-	-	-		
Electronics Technology	-	-	-	-		
Computer Science Engineering	-	-	-	-		
Maths, Physics & Renewable Energy	-	-	-	-		
Maths, Chem & Renewable Energy	-	-	-	-		
Botany, Microbiology & Chemistry	-	8	-	-		
Cloud Computing and Information Security	-	-	-	-	-	
Animation with VFX Effects	-	-	-	-	-	

5.2.2 Providing the percentage of students progressing to higher education or Employment (for the last four batches) highlights the observed trends.

S No	Student progression	%
1	UG to PG	85%
2	PG to M.Phil.	
3	PG to Ph.D.	
4	Employed:	15%
a	Campus selection	55%
b	Other than campus recruitment	45%

5.2.3 What is the Program-wise completion rate/dropout rate within the time span as stipulated by the College/University?

In general, the program completion rate ranges between **90 – 95%**. The dropout rate is nil or negligible.

5.2.4 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET,

ATE/CAT/GRE/TOEFL/ GMAT/Central/State services, Defense, Civil Services, etc.

EXAMINATIONS	APPEARED	QUALIFIED	PASS %
UGC-CSIR-NET			
UGC-NET/SLET			
ATE/CAT/GRE/ TOEFL/GMAT			
Central/State Services			
Defense, Civil Services			

5.2.5 Provide details regarding the number of Ph.D/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.

The policy of **State Government does not allow** the College to run Ph.D. programs. Individual faculty members who have been identified as research supervisors by various universities guide Ph.D scholars. **7 PhDs** have been awarded during the last four years. Another **4 theses** have been submitted. No thesis was resubmitted nor rejected so far.

5.3 Student Participation and Activities

5.3.1 List the range of sports and games, cultural and extracurricular activities available to students. Provide details of participation and program calendar.

Conscious that education does not consist only in academic pursuits, the College provides ample opportunities for various kinds of activities outside the classroom and encourages students to profit by them.

A burst of color and vivacity marks the cultural festivals – **Spandana, Sphoorthi**, and **Bhavana**, the cultural festivals of Intermediate, Degree, and Postgraduate sections respectively, which are organized every year.

Each Department has its own **Departmental Association** which conducts various co-curricular and extra-curricular and extension activities. The College conducts the inauguration of the associations and the valedictory function.

Based on the activities taken up by the various associations, **the First Best and the Second Best Associations** are adjudged and a **Rolling Trophy** is presented to those departments. The **Dean of Student Activities** also motivates and encourages students to participate in various extracurricular activities.

Apart from the yearly cultural festivals, students are encouraged to participate in various other extracurricular and co-curricular activities conducted by **other institutions** too. Many students win **medals and trophies** and bring laurels to the College.

The College regularly conducts the **Annual Sports Day**. **NCC cadets** belonging to all the **four wings** along with **NSS and NGC volunteers, athletes**, and others take part in the **colorful march-past**. **The Rolling Shield** is awarded to the **Best Marching Contingent**. **Competitions for staff and students** are held in various events during the academic year. **Staff Music Chair and Tug-of-War between Staff and Students** used to be the most exciting event of the Day.

Annual Cultural Festivals - **Spandana** for Intermediate, **Spoorthi** for **UG**, and **Bhavana** for **PG** are conducted.

Ethnic Day is celebrated on the campus annually.

All important Day's like **World Environment Day, World AIDS Day, World Ozone Day, Mother Tongue Day**, etc., also are celebrated on the campus.

Triennial Science and Arts Exhibition is conducted on the Campus.

5.3.2 Provide details of the previous four years regarding the achievements of students in co-curricular, extracurricular activities and cultural activities at different levels: University/State/Zonal/National/International, etc.

S.No	Year	National level	State level	University level	Total
1	2013-14	10	49	40	99
2	2012-13	13	37	31	81
3	2011-12	15	35	74	124
4	2010-11	11	47	36	94
5	2009-10	9	23	48	80

5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

Yes. The College collects feedback from students regularly. The feedback is collected at different levels: **Yearly feedback** is collected from students with respect to the performance of teachers, using a **structured questionnaire**. Feedback about student experiences and co-curricular activities is also obtained. The outgoing students are administered another feedback proforma highlighting various aspects like curriculum, teaching-learning process, infrastructural facilities, student support and progression. **Course evaluation** is also conducted for specialized courses like subject electives and general elective. The feedback about the faculty is analyzed and relevant issues are discussed by the Principal with the faculty members concerned and thus strengthens the student support and progression. **Suggestion Box** kept at

different wings of the College also offers valuable feedback to the Management.

5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?

The outgoing students are administered another **feedback proforma** highlighting various aspects like curriculum, teaching-learning process, infrastructural facilities, student support and progression. **Course evaluation** is also conducted for specialized courses like Subject electives and General elective.

Feed back on the curriculum is obtained from the employers as they are on the Boards of Studies as representatives of the industry. The feedback obtained is used in enriching the curriculum and making it more industry-oriented.

5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/materials brought out by the students during the previous academic session.

LOYOLITE is the annual College Magazine. **Students form part of the Editorial Board. Cover-designs and Desk-top Works** for the Magazine are usually done by students. Students take an active role in editing and contributing articles, poems, cartoons, interviews, surveys, etc., to the College magazine.

LOYOLA TODAY is another campus magazine which used to be published periodically to bring out campus news. Students, under the guidance of the staff-editor, play a great role in regularly bringing out this magazine which contains campus news.

VISCOM TIMES is a **Wall Journal** within the campus, published periodically by students of **PG Dept of Visual Communication**. It gives information on departmental activities and achievements as well as national and international news to students on current affairs. This paper comes twice a month with latest news.

Wikipedia: As the fruit of six-day Winter Wikipedia Camp organized by the College in association with Center for Internet and Society, **45 enthusiastic volunteers** from B.Sc. (Physics) and B.A. (Telugu), who have been trained to be the contributors for Wikipedia and are **authorized to add, edit, and delete articles in Wikipedia** using the validated user ids created during the camp, have **added articles in Physics and Telugu to Telugu Wikipedia. The articles in Physics not present in Telugu Wikipedia have been prepared by students themselves and uploaded into Telugu Wikipedia.** They are scrutinized by experts from other parts of the world and are accepted on

permanent basis. Students of Special Telugu have **uploaded the classical works of Kandukuri Veerasalingam** whose works are being digitalized and are made available as open access contents for those who search his works around the world.

5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.

The College has a **Student Council**. **Two representatives from each class** make up the body of the Student Council which meets periodically with the management and staff representatives to take stock of various curricular, co-curricular, and extra-curricular activities on the campus and offers valuable suggestions. The Student Council also has coordinators drawn from students, such as **Literary Coordinator, Cultural Coordinator, Girl-students' Coordinator**, etc. Thus students are also made part of organizing and monitoring of the College activities.

Apart from the centralized Student Council, each department also has a **Departmental Association** with a **Chairman, Secretary and Joint-secretary** elected/nominated from the III, II and I year students respectively. Under the guidance of a Staff Coordinator, they plan and execute various activities of their Department.

5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.

The highest academic body of the College, the **Academic Council** has representatives of students in it. Decisions regarding all academic activities are approved by these representatives too. Student-representatives are also included in the **Planning and Evaluation Committee** of the College. Student-representatives are also included in the **Women's Cell**. **Student cultural coordinators, literary coordinators and student-representatives** are also members in the **Calendar Committee** which draws the annual calendar.

Criterion VI: Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the College.

Vision of the College: To impart higher education with integral formation which involves **academic excellence, spiritual growth, social commitment, and value-based leadership?**

Mission of the College: Our Jesuit education envisages that our College forms “**men and women for others**” and mould them as global citizens with **competence, conscience, and compassionate commitment**. Special concern is shown towards the socially and economically marginalized students.

6.1.2 Does the mission statement define the College’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College’s traditions and value orientations, vision for the future, etc.?

Yes. ALC has a mission-statement and goal in tune with the objective of higher education. As stated in the core values of NAAC, contributing to National Development has always been an implicit goal of institutes of Indian higher education. Increasing **fair access** to higher education, promoting pursuit of **quality and excellence**, and ensuring **equity and social justice** are some of ways by which institutes of Higher Education can contribute to National Development.

The **Mission Statement** of the College is very much **aligned** to the above-mentioned goal of Higher Education in India. Serving the cause of social justice by ensuring **equity**, promoting **quality**, and increasing **access** to higher education are ensured, as the College is **committed to forming men and women for others with competence, conscience, and compassionate commitment**. The mission of the College is to show special concern towards the socially and economically marginalized students.

Another objective of Higher Education is to foster **Global competencies** among students. The **Mission Statement** of the College explicitly states that the College is to mould students **as global citizens with competence**. The goal of the College is to foster **technical competency, academic excellence and moral values** among students.

Inculcating a **value system** among students is the other objective of Indian Higher Education. Keeping in tune with this objective, one of the goals of the College is “**forming men and women for others with conscience**”. With this objective, the College lays emphasis on inculcating values among students through its courses in Value Education.

The Mission Statement also defines the College’s distinctive characteristics in terms of addressing the needs the students it seeks to serve. Through the Choice-based Credit System it adopted, students are made competent with **academic excellence and technical competence**. The subject-based and general electives offered under CBCS cater to fulfilling the needs of academic excellence of students. The skill-based electives cater to the needs of their technical competence.

The B.Voc programs, the innovative programs offered, for example, B.Sc. Visual Communication, B.Com (Computers), B.Com (Professional), B.Sc. Food Technology, etc., also cater to the **special skills** needed by respective students.

The Value Education course which the College offers to students also helps in developing a conscience brimming with **social values** among students.

The much-coveted **engagement programs** of the College - **ALERT and ALANA** - make students become aware of the stark realities of the society, infusing in them the value of compassionate commitment.

6.1.3 How is the leadership involved in ensuring the organization's management system development, implementation and continuous improvement?

The College is managed and administered by members of the Society of Jesus, popularly called '**Jesuits**'. It is a **world-wide organization of religious men** (17,287 in number) spread all over the world. There are **3,897 Jesuit educational institutions in 90 countries in the world, educating 29,28,806 students of all colors and creeds.**

Besides, **ALC (Vijayawada), Loyola Academy (Secunderabad), Loyola Degree & Polytechnic Colleges (Pulivendla), Loyola B.Ed. College (Karimnagar), and St Xavier's College of Education (Hindupur)** are other Jesuit educational institutions in Andhra Pradesh & Telangana where about 100 Jesuits work to promote the cause of higher education. Periodically, the administrators of these colleges come together to consult each other to improve their educational endeavors.

Some of the premiere Jesuit educational institutions in India are: **Loyola College (Chennai), St Joseph's College (Trichy), St Xavier's College (Kolkata), St Xavier's College (Mumbai), XLRI (Jamshedpur), XIM (Bhubaneswar), LIBA (Chennai), Xavier University (Bhubaneswar)**, etc. The Principals/Directors of all Jesuit Institutions in India (**44 in number**) meet once a year to exchange views and share information for better effectiveness of their administration.

The leadership hierarchy of Jesuits starts with **Very Rev Fr General** of the Society of Jesus in Rome. The **Governing Body** of the College includes **Rev Fr Provincial** (President), **Rev Fr Rector** (Vice-chairman), **Rev Fr Correspondent**, **Rev Fr Principal** and **other Jesuits** holding various administrative and teaching positions. The organization management system is efficiently handled from the top, with equal co-responsibility of other administrators to increase its effectiveness and health through planned interventions in the organization's processes.

The leadership is involved in developing the College Management System as both knowledge and practice that enhances **organizational performance and individual development** by increasing alignment among the various systems within the overall system. Implementation is done by approaches to strategic planning, organization design, leadership development, change management, performance management, coaching, diversity, team building, and work/life balance.

* **interaction with stakeholders**

The academic and administrative leadership of the College focus on regular interaction with the stakeholders – the society, parents, students, alumni, and faculty. The College leadership is in close contact with the society and conducts **need-assessment** of the society in terms of the **educational requirements** and starts programs of study **relevant to the societal needs** like the innovative courses: Visual Communication, Electronics Technology, Biotechnology, Food Technology, B.Com Professional, Business Administration, BA Music/Dance with Animation, etc.

Regular feedback is obtained from the **frequent interaction with parents** during the Parent-Teacher meetings. The leadership of the College is in close contact with the **student community** and is proactive to all their needs and requirements. The College authorities recognize and maintain a **cordial relationship** with all faculty members through the Staff Association of the College.

* **reinforcing culture of excellence**

“Excellence” is enshrined in the very Jesuit charism '*Magis*' (The meaning of this Latin word is ‘ever greater’). Since the Vision of the College is imparting higher education for integral formation with academic excellence, culture of excellence is entwined in the very vision and mission of the College. It is reinforced through all the academic and administrative processes. Design and delivery of the curriculum is done with a goal of achieving excellence. One of the goals of the College is 'forming men and women with competence' which, again, reinforces the culture of quality and excellence envisaged by the leadership.

* **identifying needs and championing organizational development (OD)**

In consonance with the policy document of “Characteristics of Jesuit Education” of the Society of Jesus, the academic and administrative leadership identifies the needs and champions the OD by way of:

- Designing humanistic institutional systems and administrative structures
- Acting as a catalyst agent of change
- To succeed as a social entrepreneur
- Employing the power of human and organizational systems to effect positive changes toward a sustainable future with eco-friendliness
- Exploring new ways to work within and across organization and communities
- Finding new approaches to address issues such as the ever-changing educational environment, optimal use of resources, creativity and innovation and social justice
- Becoming a leader who can create the conditions for a transformational change
- Supporting cross-sector collaboration
- Developing credentials for academic teaching, coaching and employing 'lean' manufacturing

- Bringing sustainable and healthy practices

6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.

No senior leadership position of the College lies vacant.

6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

Yes. The College informs the authorities concerned well in advance about their nominations in various statutory bodies of the College and adheres to the policy of conducting meetings at stipulated intervals.

6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.

An **ethos of decentralization and co-responsibility** is promoted by the Management through constant consultations **leading to participative management** on all matters pertaining to academic, curricular and administration. To strengthen the ethos of decentralization, **responsibilities with adequate authorities are delegated** to the Vice-Principals, Deans, HODs, Coordinators and other officials.

The various **Statutory and Non-statutory committees** regularly meet and decide matters pertaining to their area of functioning.

The **Teaching and Non-Teaching Staff Associations** are encouraged and they provide a forum for voicing the views and grievances of teaching and non-teaching staff.

The **Departmental Associations**, apart from organizing curricular and co-curricular activities of the Departments, give effective feedback on the functioning of the Departments in particular and of the College in general.

6.1.7 Give details of the academic and administrative leadership provided by the University to the College?

The University appoints its **nominees** to the **Board of Management, Academic Council, Planning and Evaluation Committee and on all Boards of Studies** of different Departments. The nominees of the University have a complementary role in the decision-making process in the meetings.

6.1.8 How does the College groom leadership at various levels?

Being a minority institution, the top leadership of the College are Jesuits who have **training for 14 long years** after joining the Society. They are trained not only in spiritual matters but also in mission accomplishment. The main mission of Jesuits is value-oriented education.

Lay administrators (Vice-principals, Deans, Coordinators, and Heads of the Departments) are **constantly motivated and guided** by the top leadership in a cordial manner.

Every academic year starts with a seminar/workshop for all faculty members. This is part of **the-ongoing formation** and helps in keeping abreast of the latest happening in the field of higher education. It is also an occasion to

groom and motivate the staff. The Faculty Seminars/Workshops in the last four years include:

- A **two-day Staff Orientation** was held during 7th & 8th June 2010 for the teaching staff of UG and PG sections. Resource Persons: Rev Fr Dr Joseph Xavier SJ, former Principal, Loyola College, Chennai and Mr. Ponmudiraj, Asst Advisor, NAAC, Bengaluru. Theme: **Revitalizing Autonomy & Quality Assessment and Accreditation of Higher Education Institutes**.
- A one-day Staff Seminar was held on 9th June 2001 with the theme “**Re-visiting Academic Excellence**”. The resource person was Prof B Raja Sekhar, School of Management Studies, University of Hyderabad.
- A **Staff Workshop** for the academic year 2012-2013 was held on 9th June 2012 under the aegis of IQAC. The theme was “**Ensuring Social Responsibility through Curriculum – ALC’s Perspective**”. The Resource Persons were Prof Satyanarayana Sangitha, Institute for Social and Economic Change, Bengaluru and Prof K Satya Prasad, Dept of Botany, Osmania University, Hyderabad who gave talks on “**Making Humanities & Social Sciences more Relevant and Application-Oriented**” and “**Science for People**” respectively.
- The **Staff Orientation Program** for the faculty of Degree and Postgraduate sections for the academic year 2013-2014 was held under the aegis of IQAC during 6-7th June 2013 on the topic “**Faculty Professional Enrichment**”. On the first day, the Resource Person Mr. GC Pande, General Manager & Principal, State Bank Institute for Rural Development (SBIRD), Hyderabad gave a talk on “**Innovation in Curriculum Design & Development**”. The talk was followed by a workshop on “**Curriculum Design & Development**” and Group Presentations. On the 2nd day, the Resource Person, Mr. A Vithal Rao, Controller of Exams, P.B. Siddhartha College of Arts & Science, Vijayawada gave a seminar on “**Innovations and Reforms in Examination System in Autonomous Colleges**”. The seminar was followed by a workshop on “**Scientific Designing of Question Papers**” and Group Presentation.

Faculty members were also encouraged to participate in training programs organized by Academic Staff Colleges and other institutes in leadership and personality development.

Thus the leadership at all levels work in tandem, fostering a relationship of trust and mutual respect and support. They maintain effective communication and work together for the welfare of the College.

6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.

As the knowledge economy continues to take shape in the 21st century, the factors of production are shifting from physical financial capital to intellectual

capital. The College has recognized that in this environment, the success of the College will depend on the ability to generate, adopt, and diffuse knowledge - to become knowledge organization. The College recognizes Knowledge management (KM) not as a radically new idea; rather it is a new spin on the *raison d'être*. The strategy of the College for knowledge management is as follows:

- Applications of knowledge management to enhance innovation and development in the College
- Convergence of knowledge management with R&D-oriented system
- Emerging technology solutions in the entire teaching-learning process
- Implementation of implicit knowledge (rather than explicit knowledge) in the system as much as possible
- Movement from conventional teaching and learning process to knowledge management-oriented system

As part of the action plan to realize the strategy, the College relies on its intranet portal - a gateway to applications that integrate collaborative tools, business intelligence, video lectures, e-learning materials, administrative information, providing a rich information environment for decision making. The College web-portal is used in institutional marketing, creating brand identity, building community with prospective students and parents, becoming the gateway for finding information about College resources and programs.

To start with, the College is gearing itself to use KM in the areas of Research Processes, Curriculum Development, and Student Services.

6.1.10 How are the following values reflected in various functions of the College?

- * **Contributing to national development**
- * **Fostering global competencies among students**
- * **Inculcating a value system among students**
- * **Promoting use of technology**
- * **Quest for excellence**

Contributing to National Development:

As stated in the core values of NAAC, contributing to National Development has always been an implicit goal of institutes of Indian Higher Education. Serving the cause of social justice, ensuring equity, and increasing access to higher education are some of the ways by which they can contribute to the National Development.

- This **Mission Statement** of the College is **aligned** to the above-mentioned **goal of Higher Education** in India.
- Serving the cause of social justice, ensuring quality along with equity, and increasing **access** to higher education are **ensured** as the College is committed to '**form men and women for others**' with '**conscience and compassionate commitment**'.

- The mission of the College is to show special concern towards the **socially and economically marginalized** students.
- Social justice and equity are ensured by not only following the **rules of reservation** for the socially marginalized groups but also giving them **additional academic support** by way of **remedial classes** through Equal Opportunity Cell, **free-ships** from the College management, etc.
- Gender equity is ensured by sensitizing students about gender equity through the activities of Women's' Cell, **ensuring equal opportunity for girl-students in games and sports, co-curricular and extra-curricular activities, equal representation on student council and other bodies.**

Access to higher education is made possible as the College is preponderantly residential with **three hostels for boys and a separate hostel for girls.**

Fostering Global Competencies among Students

As underlined in the Core values of NAAC, with liberalization and globalization of economic activities, the need to develop skilled human resources of a high caliber is imperative.

- To further the development of **technical skills** among students, the College, under the **Choice-based Credit System**, offers **skill-based electives.**
- Students of Arts, Science, and Commerce, cutting across their own disciplines, choose **skill-based General Electives** during the III and IV semesters in order to equip themselves with specializations which are not linked to their subjects.
- The **Communication skills** of students are improved with the help of the **Language Laboratory Programs** conducted by the Department of English.
- Leadership training is provided to students through the **four** wings of **NCC**, **six** units of **NSS**, one unit of **NGC**, **ALERT**, and **AICUF programs.**
- Innovative courses like **B.Sc. Food Technology, Electronic Technology, visual Communication, Animation with VFX, B.A with Music/Dance, Animation, and Sound** also foster global competencies among students.
- Special mention can be made of the B.Voc. Degree programs (B.Voc. in Renewable Energy Management and B.Voc. in Paramedical and Hospital Administration).

Inculcating Value System among Students

Although skill development is crucial to the success of students in the job markets, skills are of less value in the absence of appropriate value systems.

- Fully aware of this fact, a **compulsory Value Education course** under the CBCS has been introduced. This is also in keeping with one of the goals of the College namely, forming men and women for others with conscience and compassionate commitment.

- However, imparting of **values** is not merely confined to the Value Education course. Most of the Departments make constant efforts to infuse values into the various contents of their respective curriculum.

Promoting the Use of Technology

As highlighted in the core values of NAAC, to keep pace with the developments in other spheres of human endeavor, Higher Education Institutes have to enrich the learning experiences of the students by providing them with State-of-the-art educational technologies.

For making the teaching-learning process **more learner-centered** and dynamic, the College has integrated **Education Technology** fully into the curriculum to further the learning objectives. Students and teachers are able to select Education Technology tools to **obtain information, analyze, synthesize,** and present them **professionally**. Thus, Education Technology has become an integral part of the teaching-learning process.

To facilitate this, a central Information and Communication Technology Centre (**ICT Center**) with facilities like computers, multimedia tools, audio-visual equipment, and the Internet facilities has been established. The Center has both production and viewing facilities. The ICT Center is equipped with state-of-the-art facilities for **production of multimedia lessons**. 25 of the lecturers have been trained in flash programs in order that they may take to e-content teaching methods. All staff members have been trained to prepare PowerPoint presentations in their respective subjects.

An **air-conditioned Audio-Visual Room** has also been established with home theater facility and an LCD panel connected to a mega television. The theater is being used by all sections of the College for their regular seminars and for specific subject sessions.

The **Internet facility** provided in the Library encourages students to surf the web to prepare class assignments and to update their knowledge. This modern IT Technology promotes self-learning and it is an additional method in the teaching and learning process.

ALC has set-up **5 Smart classrooms** to enhance the quality of teaching and learning. The tools used in these classrooms transform an ordinary classroom into a smart classroom through the incorporation of the latest technology and makes teaching more effective and impressive. The tools used include:

1. Clarity MI Board: It converts any surface into an inter-active whiteboard. It can take the total control of the mouse and keyboard.
2. Wireless Digital Interactive Whiteboard combined with wireless RF technology.
3. Clarity-visualizer: The visualizer is the most useful tool for projecting 3D objects, any teaching materials, specimens, etc.
4. Clarity Waistband Amplifier: Designed for use in meeting rooms, classrooms, lecture halls, etc. and anyone who needs to amplify sounds so as to be more audible for a group or classroom.

5. Clarity- Lectern: It has an attractive public address podium that features an all-in-one design. A flexible gooseneck microphone and a lamp are provided as well.

6.1.11 Give details of the UGC autonomous review committee's recommendations and its Compliance.

No recommendations were given by the autonomous review committee for compliance.

6.2 Strategy Development and Deployment

6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.

- * Teaching and learning
- * Research and development
- * Community engagement
- * Human resource planning and development
- * Industry interaction
- * Internationalisation

Yes. The College has a Prospective Plan for its development for the coming five years. The College has several **stakeholders including students, parents, faculty, the alumni, and the general public**. The Perspective Plan of the College addresses the growing needs of all these stakeholders.

The Perspective Plan prepared for the period 2015 – 2020 has a special significance as the geographical area in which the College is located is being considered to be the **Capital of the newly-formed State of Andhra Pradesh**. Thus, this Perspective Plan seeks to provide a direction to the expansion of ALC so as to ensure that it meets the growth of the population and their growing aspirations of people in the arena of higher education as well as propels the State to its rightful place among the other states in the Country.

The Perspective Plan underlines the importance of **starting new programs of study in commerce, humanities, and skill-oriented courses in sciences**. A need-assessment for various courses is to be submitted to the Management by February 2015 so as to enable the College to obtain necessary permission from the Academic Council and the Board of Management. The Perspective Plan emphasizes **leveraging technology for curriculum models, course-ware development, participatory teaching-learning process, and also expanding the e-resources to strengthen the KM portal of the College**.

Augmentation of research facilities and motivation for doing research by more members of faculties to become collaborative researchers is another important aspect of the Perspective Plan of the College. It underlines that the faculty is to be motivated to apply to diversified funding organizations for research projects so as to boost the research in the campus and seed money for incubating ideas to be enhanced from the present state.

ALERT/ALANA – the much coveted institutionalized **engagement programs** of the College are to be further strengthened by way of **new collaborations with other NGOs**, possibility of getting **funds from Governmental agencies**, the **Self Help Groups (SHG) instituted and monitored in the Tsunami-affected areas** to be strengthened and more number of SHGs to be brought into the fold of the College are the plans for community engagement in the coming five years.

The Perspective Plan envisages that the HR requirement planning to be consolidated for the effective running of the proposed new programs of study and training for teaching faculty to be assessed to make them more competent to handle **new and innovative electives/modules** that could be included for enriching the existing curriculum are in the Plan.

The Plan underlines that the each Department should identify at least **2 or 3 industries** of their discipline and standardize the **culture of collaboration and cooperation** with them. The collaboration should be a two-pronged approach - Industry involvement in the academic activities of the College (in terms of curriculum development, on-the-job training, etc.,) and the Department providing technical support, training to the personnel, etc., to the industry.

The plan highlights the **full utilization of the global networking of the Jesuits** and to bring in **faculty exchange and student exchange** programs with other Jesuit institutions across the world. **International students** are to be attracted by offering globally competent and relevant courses to them. **Construction of a residential studio for international students** taking courses in the College has been proposed.

6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.

The task of "deciding" pervades the entire administrative organization. The administrative decision making is a dynamic and participatory process at ALC. The College has a **Staff Council** which makes most of the decisions in a rational way regarding regular academic activities. The Principal is assisted by the Deans, HODs, and other Coordinators of different bodies in decision-making.

Major financial decisions by the Principal are taken after discussing with the **Finance Committee**. The decisions on vital issues are decided after deliberations in the **general body meeting** of the staff. Thus there is a **participative decision making**, taking into confidence the staff and students on vital matters of administration and governance.

6.2.3 Specify how many planned proposals were initiated/implemented during the last four years. Give details.

During the period of review, the following plans were initiated and implemented:

College with Potential for Excellence	Rs. 1, 67, 50,000.00
Basic Scientific Research Scheme	Rs. 60, 00,000.00
XI Plan Developmental Grants	Rs. 15, 30,000.00

6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed, and reviewed?

The College has a **well-defined quality policy** in consonance with the vision and mission of the College. The quality policy was framed under the aegis of IQAC with members drawn from management, faculty, representatives from alumni and from the society. The quality policy is **prominently displayed** at all prominent places like the administrative office, library, and at vantage points on the campus to drive home and remind all about the stated policy. The policy will be reviewed if major changes in the educational field creep in or if the College attains **the status of a university under the Scheme 'RUSA'**.

6.2.5 How does the College ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

- Grievances from students are redressed immediately through the **Grievance-Redressal Committee** constituted for the purpose. The Committee looks at students' grievances in an objective and confidential manner, tries to solve the problems in a judicious manner and presents the report and the suggested measure to the Principal. Grievances from parents are obtained during the Parent-teacher Meeting and are passed on to the administration. The Principal, assisted by the Deans, resolves the issues. A cordial and congenial relationship exists between the stakeholders and the College administration.

6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

A centralized questionnaire-based system is in place for student feedback. It is collected by the office of the Vice-Principal and processed. The feedback is presented to the Principal for taking up any of the issues to be addressed. The feedback is used:

- as a formative and diagnostic feedback mechanism (for use, for example, in the efforts to improve teaching and designing courses);
- as a summative feedback mechanism (for use, for example, in personnel and administrative decision-making);
- as a source of information that can be shared for prospective students when selecting elective courses; and
- as a source of data for research on teaching.

6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?

The University helps the College by way of nominating its members on various statutory committees of the College, who perform a proactive role in the decision-making process. The University helps in the speedy disposal of certain permissions and sanctions. For instance, Krishna University has given **No Objection Certificate without any bureaucratic delay** to certain proposals like the **B.Voc. Scheme and RUSA Scheme** submitted by ALC to UGC.

6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, in what way College is benefitted.

Yes. The university has a functional CDC. Being an autonomous College, and as per the policy of the University, the College has no functional relationship with the CDC.

6.2.9 How does the College get feedback from non-teaching, teaching, parents, and alumni on its functioning and how it is utilized.

Regular meetings with non-teaching and teaching faculty are conducted. Feedback is obtained during such meetings. The feedback is also obtained from the teaching and non-teaching Staff Associations. Similarly, feedback is obtained from parents and alumni/alumnae during their periodical meetings. Parents or alumni can freely approach the Principal/Vice-Principals when need arises.

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

Autonomy with accountability is given to all Departments. Autonomy is extended not only regarding the designing and delivery of curriculum but also the Departments are given autonomy in choosing their own courses and electives and propose them to the Academic Council. Autonomy is given to the Departments regarding the conduct of assignments of students, the strategies to be adopted, timing, etc. Financial autonomy is also given with due accountability. The Departments, with their own purchase committees, can decide on the modalities of spending the allocated budget money.

6.2.11 Does the College conduct performance auditing of its various departments?

Yes. The College conducts Annual Academic and Performance Audit with various indicators.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts are made by the College to enhance the professional development of teaching and non-teaching staff?

The College conducts annual professional development workshops/seminars to the faculty. Every academic year starts with a seminar/workshop for all faculty members. This is part of the on-going training and helps in keeping abreast with the latest happenings in the field of higher education. The faculty seminars/workshops in the last four years include:

- A **two-day Staff Orientation** was held during 7th & 8th June 2010 for the teaching staff of UG and PG sections. Resource Persons: Rev Fr Dr Joseph Xavier SJ, former Principal, Loyola College, Chennai and Mr. Ponmudiraj, Asst Advisor, NAAC, Bengaluru. Theme: **Revitalizing Autonomy & Quality Assessment and Accreditation of Higher Education Institutes.**

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The College encourages the faculty in research by way of giving **seed money** to incubate ideas and investigate them further through the funding of governmental agencies.

The College encourages the faculty to attend national/international seminars and workshops by giving them not only the necessary permission but financial assistance too.

6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

Performance Appraisal reports are reviewed by the Principal. Only a few faculty members have been terminated for lack of visible progress in their performance.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

There is a **Registered Co-operative Credit Society** on the campus.

The Management arranges for **Over-Draft facility** with the campus branch of the Indian Overseas Bank.

The Management generously gives **financial help** to those who are in distress or suffering with major ailments.

Interest free festival advances are given to the non-teaching staff.

More than 60% of the staff enjoy the **benefits of the Co-operative Credit Society and Over-draft facility**. 5% of the staff has been helped in distress and **80% of non-teaching staff avail festival advances**.

6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

Understanding motivation is the essential strategy of the College in ensuring the successful retention of staff. The College manages the staff through **effective use** of the good communication networks and decision-making processes.

Apart from this general strategy, the other motivators practiced in the College include:

‘Correlate the heart and mind of the employee’ is being followed by the College. *“Enjoying an assignment happens only when the job matches one's life interests”*. Thus apart from regular assigned work, the passion for a certain kind of activity or work linked with one's personality is identified and assigned to him/her.

For example, staff members who have a **flair and passion for dramatics** are **assigned with the job** of organizing the **cultural events** of the College.

Staff members who have interest and **fervor for sports and games** are included in the **Sports Committee** and are assigned with the organization of Sports activities in coordination with the Physical Director.

There is a scheduled time ear-marked for personal development in order to facilitate changing role-requirements and satisfy personal development needs. This is put in to practice in the **staff retraining in using multimedia material production**.

There is an opportunity for Project work for individuals or groups of staff aimed at enhancing **involvement** and **responsibility**. **Special Projects** like preparation of proposals for the UGC assistance like HEPSN, CPE or starting of new programs of study, etc., are assigned to individuals and groups who show a flair for such skilled jobs. Such eminent staffs are well-appreciated and honored in public with appropriate gestures.

Career progression with clear structures is in place within a culture of innovation and creativity.

Pay systems which provide scope while maintaining a realistic approach is being implemented for the self-financing courses.

The College has **an affirming and inspiring environment with a healthy work-culture which hard-working and committed people** enjoy to work with. Staff are encouraged to attend **training programs, orientation programs, refresher courses**, etc.

Competence-based pay structures i.e., more than the prescribed scale is offered for self-financing courses.

Staff and students have access to ‘**state of the art**’ computer and Internet facilities.

Sufficient resources for study and research, particularly in relation to the **Library**, are provided.

6.3.5 Has the College conducted a gender--audit during the last four years? If yes, mention a few salient findings.

The College believes in working to ensure that commitment to gender equality is internalized throughout and reflected in all our official work, operational activities, and support services. Hence it conducts a gender audit once in two years using a standard format. The main objective of the audit is to promote organizational learning at the individual, department, and College levels on how to effectively implement gender mainstreaming in the policies, programs, and structures of the College.

Findings of the Audit

- Gender equality built into the monitoring and evaluation of the College's shared objectives.
- Flexible working time and arrangements to promote family-friendly workplaces provided
- Improved efforts in gender mainstreaming in the College
- Though committed in principle to gender equality, conceptual clarity on gender concepts and gender mainstreaming found to be rather limited.
- Gender is still considered an “add-on”. There is a need to make it “visible”, “specific”, “explicit”, “concrete” and “integrated”.

6.3.6 Does the College conduct any gender sensitization programs for its staff?

With the findings of the latest audit that gender is still considered “add on”, a sensitization program was organized by the Women's' Cell of the College to make it more concrete and integrated.

6.3.7 What is the impact of the University’s UGC-Academic Staff College Programs in enhancing competencies of the College faculty?

UGC-Academic Staff College Programs like Orientation Programs and Refresher Courses are attended by the faculty as per the requirements of their career advancement. As per a non-formal feedback, it is observed that, in general, the competency enhancement is observed to be 70% – 80%.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?

The College has a Finance Committee which finalizes the annual budget of the College. There are Purchase Committees for all Departments. For ensuring effective use of the financial resources of the College, the Finance Committee draws up the budget, allocates funds to various Departments, monitors the

spending, and ensures reduction of costs and wastages. The financial resources are effectively utilized as there is periodic meeting with the Procurator/Treasurer of the College to take stock of the financial position and the status of surplus funds, if any.

6.4.2 Does the College have a mechanism for internal and external audit? Give details.

There is an **Internal Audit Mechanism** in place for auditing various accounts of the College half-yearly and annually to ensure proper accounting and effective financial management. The **External Audit** is also conducted periodically for every financial year by the Government Auditors of the Commissioner of Collegiate Education and the Accountant General of India auditors.

6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.

6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

Yes.

6.4.5 Narrate the efforts taken by the College for resource mobilization.

The College regularly **sends proposals for various schemes** to UGC and gets financial sanctions for those specific schemes. During the past five years, the College has been able to mobilize resources for special projects like **HEPSN, CPE, SC & ST remedial coaching, strengthening of Science Laboratories** of 'CPE' Colleges, etc.

Apart from the resources from Governmental agencies, the **College rents out its Auditorium and playgrounds** and the resources mobilized are utilized for grant of scholarships and free-ships to deserving students. The College also runs the **Distance Education Programs** of Pondicherry Central University. The University pays the College for the use of its infrastructural facilities made available to them.

6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.

Yes, the College maintains 'corpus fund' before starting a course. The corpus fund is created as a joint-account with the Department of Higher Education. An amount of Rs **1, 47, 76,256/-** is in the bank as corpus fund for the College.

Criteria VII: Innovation and Best Practices

7.1 Environment Consciousness

7.1.1 Does the College conduct a Green Audit of its campus?

The College strongly believes that conducting a Green Audit is **no longer an option** but **a sound precaution and a proactive measure** in today's heavily regulated environment. The College realizes that the Green Audit has a valuable role to play, encouraging systematic incorporation of environmental perspectives into many aspects of the College's overall operation, helping **to trigger new awareness and new priorities in policies and practices** concerning environmental issues. Green auditing of the College has been **a systematic, documented, periodic, and objective process** in assessing the College's activities and services in relation to identifying and prioritizing greening opportunities in and around the College, and then to make changes towards greater **energy efficiency, health, and sustainability**.

The College Green Audit has been typically undertaken in **three phases**:

- Pre-audit
- On-site audit
- Post-audit

Objectives of Pre-audit Activities:

- To develop an audit plan for the on-site activities
- To make the necessary preparation and arrangements for the on-site audit
- Develop an Audit Plan with strategies related to

Where: audit site & boundary with overview

What: scope & objectives

How: site personnel interview, site inspection, and audit protocols

Who: audit team and site facilitation arrangement

When: audit schedule and milestones

The On-site audit was conducted by a Green Audit team comprising of the representatives from the College and outside experts. A Pre-Audit Questionnaire was prepared to gather information regarding the '**hard issues**': Overall environmental management, energy management, water and wastewater management, waste management, noise monitoring and control, air quality monitoring and control and emergency response procedures. It also included gathering information on the '**soft issues**': Staff awareness and training, publicity of environmental information, response to public enquiries and complaints.

The Green Audit team conducted the on-site audit to validate the responses given in the questionnaire.

The Post-audit Activities taken up after the submission of the Audit Report contributed towards formulation of an Action Plan and for continual performance improvement.

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

- * **Energy conservation**
- * **Use of renewable energy**
- * **Water harvesting**
- * **Check dam construction**
- * **Efforts for Carbon neutrality**
- * **Plantation**
- * **Hazardous waste management**
- * **e-waste management**
- * **any other**

Energy Conservation activities:

- As a step towards post-green audit compliance, a **30 KV Solar Power Plant** was established on the campus, though the green cover of the campus was not very much congenial for the erection of the solar power panels.
- All computer monitors have been converted in a phased manner to **LCD monitors with less emissions and power consumption**. Almost 90% of the computers are now with LED monitors.
- A **sense of energy saving** was inculcated among all the faculty and students, which is reflected in the responsibility they show in immediate switching off of the electrical appliances like fans and lights after their use.
- **Decorative and ornamental lights** have been mostly avoided during public functions.
- With the slogan, “**Change a Light – Change the World**”, **1200 old-model tube-lights have been changed to new power-saving T-5 tube-lights with a cost of Rs. 3,36,645/-**.

Use of renewable energy

- Apart from the existing 30 KV Solar power plant, plans are on anvil to establish a **separate grid interachre 100 KWp power plant for the crhre college**.

Water harvesting

- As per the regulations of Vijayawada Municipal Corporation, **rainwater harvesting arrangements** have been made for every building to avoid ground water depletion. Hence all the buildings of the College are provided with **rainwater soak pits** to use the run-off water from roof tops.

Efforts for carbon neutrality

- Subtle changes have been incorporated by way of introducing **new low-energy and low-carbon emission LED lights** and **renewable power sources** to move the college towards reducing the carbon footprints.
- **Increasing energy efficiency** of the existing buildings;
- Increasing supplies of **low-or no-carbon electrical appliances** like refrigerators and air-conditioners;
- Meeting **high sustainability standards in new construction and major renovations**;
- Developing a community culture that embodies **sustainability** at every level;
- Replacing the coal-fired cooking systems and LPG in hostel kitchens and plans are on the anvil to introduce **steam cooking system**.
- The Department of Botany distributes **clay-idols of Lord Ganesh** during the Festival of Ganesh Chaturdhi highlighting the importance of **using degradable materials**.

Plantation

- The College campus is situated in a sprawling area of 94 acres is with **lush greenery**. College campus is considered **‘the ‘lungs of Vijayawada city’** because of the huge trees and greenery on the campus.
- **Regular and periodical plantation drives** are taken up the NCC, NSS, and NGC units of the College.
- **Botanical Garden and an exclusive Herbal Garden on the campus** are noteworthy. The Department of Botany has identified **more than 1000 species of plants** on the campus underlining **the biodiversity** of the campus.

Hazardous waste management

- The College is only **a small quantity generator of hazardous wastes**. However precautions have been taken to **reduce the usage** and for **proper disposal**.
- **Fume hoods** are used in the Chemistry Laboratory.

- **Stockpiling of chemicals** is avoided by using an inventory management system in the Science laboratories.
 - Chemicals are purchased as per requirement of that academic session, **avoiding long term storing**, avoiding the storage of chemicals whose shelf lives have expired and chemicals that are no longer needed.
 - **Discharges to sewers and public dump bins** are strictly prohibited.
 - It is **doubly ensured that the chemical wastage does not pollute water resources** by periodical checking of the pipelines that carry the wastage.
 - The College has **silos plant to turn the organic compost to fertilizers.**
- E-waste management**
- **Reuse, Refurbish (for software) and harvest** parts that can be used is the policy of e-waste management in the College.
 - **Surplus Property Program at end-of-life:** The electronic items and computers that have become obsolete but are in good working condition with a longer life-period are donated to small schools and other institutions.

7.2 Innovations

7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

Innovations in Curricular Aspects

- College Autonomy and the introduction of CBCS have paved way for **innovation** in the curriculum offered by different programs of study.
- The College offers **innovative programs of study** like – Visual Communication, Food technology and B.A. Music Dance, Animation and Sound Production – all of which are UGC-sponsored under the Scheme ‘**Innovative programs**’ (including courses in emerging areas).
- Apart from these UGC-sponsored Innovative Programs; the College also offers **innovative programs** like **B.Sc. Electronic Technology; B.Com Professional, B.Com (Computers).**
- The curriculum offered by different programs of study also includes **innovative syllabi and papers.** To cite a few examples, the paper Applied Zoology in B.Sc., Zoology curriculum is innovative in nature as it caters to the needs of students in the areas of Biotechnology, Bioinformatics and Aquaculture.

- ‘**Molecular Techniques**’ in the curriculum of Botany is another important applied paper which provides a **number of jobs** in Research Institutions and Pharmacological Industry.
- **Medicinal Botany**: As people today are looking for highly safe health methods to cure various ailments, Medicinal Botany has been introduced to explain various medical systems in India and also to explain various chemical components of medicinal plants.
- **Herbal Medicine** as General Elective has been introduced for non-biology students.
- Papers like **Andhra Pradesh Economy, Environmental Economics, Fundamental Computers and Economic Statistics** have been introduced in the curriculum of the Department of Economics to prepare students for **competitive examinations**.
- The curriculum of the Department of Hindi trains students in **Drama Preparation** at various stages of drama such as script writing, sitting rehearsals, standing rehearsals, Dialogue delivery, acting without makeup, etc. This creates a lot of interests in this popular literary form and makes students learn native-like accent of Hindi language.

Innovations in Teaching-Learning and Evaluation

- **Establishment of Entrepreneurial Development Cell (EDC)** has enabled the College to infuse entrepreneurship in the mindset of students, encouraging them to be prospective entrepreneurs.
- **Establishment of Center for Continuous Learning and Research (CCLR)** has organized skill-oriented certificate courses.
- **Peer-learning and Academic Partnership Programs** have facilitated the incremental growth of slow learners.
- **Computer-aided Learning for visually challenged students**: The visually challenged students have been provided with computers and scanners, with **preloaded software viz. JAWS and Kurzveil** that facilitate their reading of the regular books and enable their access to the Internet resources for learning. These students have been trained to make use of such software.
- All the faculty members maintain **Teaching Diary and Lesson Plan Register**. The register records the **Date-wise topics** covered, the **methodology adopted**, the **teaching aids** used, **student activity**, if any. It also records the objectives of the course, materials and resources, unit-wise scope, and synopsis for each paper taught by the faculty member.
- Apart from the Teaching Diary and Lesson Plan, all the faculty members also maintain an **Academic Activity Register**. This register records internal

examination details, indicators used to assess student learning and performance, feedback, student attendance particulars, maintenance of CIA and SEE marks, details of student assignments, details of remedial classes conducted for slow learners, record of project works, record of field visits, details of usage of ICT in the classroom, record of academic competitions conducted, extension lectures, seminars, extension work, etc.

- The Department of Botany has also developed a **Herbal Garden** spread over 30 cents of land where **more than 115 rare, endemic and commercially important medicinal plants** brought from various regions of India are being nurtured for cultivation and propagation (55 varieties of herbs, 25 types of shrubs, 15 types of trees and 19 varieties of climbers). Both these gardens give a participatory learning experience to the biology students, as they also involve in nurturing and propagating the plants.
- For life-long learning experiences and knowledge management, the College has started **Andhra Loyola Open Online Courses (ALOOC)** supplementing the regular curriculum. Under this system, courses are offered online which can be taken up by anyone. Registration for the courses and course content will be free of cost and the learners and the faculty will have online interaction through various channels including Blogs, Twitter, Facebook, email, etc. The Online Courses are offered as per the choice of the faculty or based on the requirement of the learners. The targeted clientele are anyone including our own students. For these ALOOC courses, the course content is provided in PDF format and video-recorded lectures/video lessons are also made available for the learners. Faculty offering the Online Courses are available for online interaction with the learners during specified periods. Mode of examination, evaluation, and certification are online exam/assignment/Project Work or a Written Exam, the last being the least preferred one.
- **Retraining of Faculty in e-content Development:** The Departments of Physics and Mathematics organized a week-long UGC sponsored National Workshop on “**Retraining of Faculty in e-content Development**” during March 18-23, 2013. The workshop was designed to provide participants with an opportunity to improve their e-Content development skills, to engage in hands-on training program to convert existing courses in subjects that they teach into e-learning format and produce e-learning CD/DVDs. The workshop was of training-cum-production type, involving lecture-cum demonstrations, interactive sessions and hands-on practice. The objectives of the training program included a) Instructional design principles, b) Introduction to e-learning concepts, c) Content rendering and structuring, and d) Practical, hands-on e-Content development.
- Introduction of **compulsory Project-Work for all final year students** is yet another teaching innovation introduced during the period under review. The Project Work focuses on **project-based and experiential learning**.
- **Simulation experiments** in the Department of Physics are one of the teaching innovations as is the case with the Departments of Chemistry and Electronics.

The Department of Mathematics also uses simulations in teaching Vectors, Calculus, and Integrations.

- The establishment of a '**Language Laboratory**' to teach the English language using computer aided software is another teaching innovation made during the last five years. Besides, the Department has introduced **an innovative Extensive Reading program** for its Stream C learners (the lowest ability group in English in the College). The program involves each learner learns to read independently eight retold classics with attractive multi-colored pictures and discuss each classic with their peers and the teacher. The Department has been systematically administering this program since 2003-04 with very good results in terms of the **students' increased proficiency levels in English**. Over these five years, the Department has greatly strengthened this program and has a stretch of 20 classics always in circulation. Furthermore, the Department uses **the Reading 400 program** with the Stream C learners. The program consists of 400-page communicative cards with each card carrying a well-illustrated single-page story and two sets of exercises. This program is also for independent out-of-the-classroom reading. Success in independent reading in English on these two programs has significantly enhanced the confidence levels of the so-called slow learners.
- To supplement classroom teaching, all departments have their own '**blog spots**'.
- To supplement teaching-learning process, **5 smart classrooms** have been setup.

Innovations in Research and Extension

- An **information resource center** has been established in Fr Gordon Library of the College. The center is equipped with **27 computers with broadband Internet connection and an exclusive Ostillo server with more than 1, 40,000 e-books and other digitalized documents**. A separate **Wi-Fi connection** is also provided for downloading e-journals and e-books required for the research work of faculty members.
- There is a **Central Instrumentation Center**, in which all the major scientific equipments are stationed. To facilitate research in social sciences, there is a **data processing center with SPSS package**.
- While realigning to its goals and objectives, the College has identified the 'engagement Program' (Extension) as a core area of operation. In consonance with the institutional social responsibility, the College believes that its existence is not only to generate knowledge and transfer of knowledge but also to provide extension services to transfer the benefits of knowledge it generates and preserves. Thus, ALC organizes two distinct engagement programs for students: **ALERT (Andhra Loyola Extension for Rural Transformation)** and **ALANA**

(Andhra Loyola Assistance for Neighborhood Advancement). These extension service and community-based empowerment programs were introduced from the academic year 2012 - 2013 for first year Degree students as part of the Golden Jubilee initiatives of the College. These programs have been the most influential conceptualization of macro social work practice, an integral part of curriculum which is both **'mixed and phased'** in order to develop a comprehensive plan of action or organizing paradigm for community development and rural education.

- **Andhra Loyola Extension Service for Rural Transformation (ALERT)** has three distinct strategies:
- **Locality Development** (Bottom-UP)
- **Social Planning** (Top-Down)
- **Social Action** (Inside-Out)

- The **locality development strategy** is **bottom-up** because it is self-help, participatory model of change. Thus, in Loyola's ALERT, students provide encouragement, support, expert knowledge, and other resources to the people of the neighborhood. Students work side-by-side with the residents to create the conditions that make change and empowerment possible.

- The **social planning strategy** is **top-down strategy** for **community development**. It emphasizes the technical aspects of solving problems. Thus, in Loyola's ALERT, **students guide and control** the development process through the use of **technical skills** such as **sophisticated data collection and analysis** and **present their systematic report** to the authorities concerned.

- The **social action strategy** is an **inside-out strategy** as it **focuses on organizing** those segments of the community which are being overlooked to stand-up for their rights, to demand that their needs and concerns be addressed.

- The College believes that its existence is not only to provide extension services for rural transformation but also to transfer the benefits of knowledge it generates to the **urban neighborhood community**, especially to the **school-going children of the neighborhood**. Thus, ALC has been organizing a distinct engagement program namely **ALANA**, an acronym for **Andhra Loyola Assistance for Neighborhood Advancement** from the academic year **2012 - 2013**.

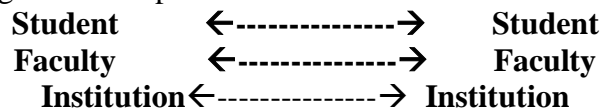
- **ALANA – Andhra Loyola Assistance for Neighborhood Advancement:**
 - Is an intervention
 - Is an educational process
 - Intends to induce a voluntary change in behavior
 - Focuses on a number of target processes and outcomes

- Has a technological, research, and professional dimension
- The chief goal of ALANA is to involve students and their classroom learning in a meaningful way for the benefit of the **schools run by the Vijayawada Municipal Corporation and other Governmental institutions.**

Vision: To provide **value-based supportive and supplementary education** to the **under-privileged children** of Vijayawada Municipal Corporation Schools.

Mission: To run **evening supplementary coaching** as a **Recipe of Joyful Learning** to enlighten children with the importance of education and by imparting the three-factored education - **character building, Nation building and economic advantage to all.**

- The Program encompasses three levels:



- At student - student level, students of ALC tutor and mentor the children of classes VI to VIII by helping them to complete the day's **home-work** assigned in the classroom by their teachers and preparing them for the next day's work. The College students conduct **one-hour of guided tutorial** after the school hours within the school premises. The envisaged outcome of this approach is that school children can develop a **regular habit of daily learning of the lessons** taught in the classroom. Children are also motivated to develop **regular study habits**. Care is taken in not making these guided tutorial hours burdensome and boring but make them **recipes of joyful learning**.
- The Faculty - Faculty level addresses the needs of the school teachers in keeping them **abreast of the latest developments in their respective disciplines** through periodical need-based refresher courses conducted by the faculty of the College on the **second Saturday of every month**. It is envisaged that a linkage of this kind will surely contribute to a higher degree of professionalism among school teachers.
- The Institution - Institution interaction is at a higher level wherein **science laboratories and other infrastructural facilities of the College will be extended** to the benefit of the Government schools.
- The College has entered into a **Memorandum of Understanding with the Vijayawada Municipal Corporation** to implement the program and adopted **23 Upper Primary and High Schools of the City, under which more than 4500 pupils are covered**. Under this program, the I year Degree students numbering **more than 900**, divided into two

batches, visit the schools and accompany the pupils to help them in their homework and prepare them for the following day's studies. Occasionally, our students also conduct **extracurricular activities** for the pupils and bring their respective batches of pupils to our College. All these activities are conducted under the supervision of **designated lecturers** who will ensure our students' regularity and proper conduct in their given task and guide them in times of need. The designated lecturers also interact with the staff of schools whenever necessary.

Innovations in Student Support and Progression

- Jawahar Knowledge Center (JKC) established in the College is provided with industry-trained experienced faculty who are involved in providing the best training to help students climb the ladder of success. JKC helps students to realize their potential and aim high in life and particularly it motivates and encourages students to be creative, independent and self-reliant. JKC Center helps students gain confidence and the ability to contribute not only to their economic development but also develops life-coping skills in them. It provides **career awareness and planning workshops** to students and imparts **300 hours of training on soft skills** necessary for employability.
- The College runs a **health center with a qualified doctor and a medical attendant**. The College Management has arranged for **free consultation and free generic medicines** to students. Plans are on the anvil for providing health insurance to all students.
- The College also has a **hair-dressing saloon facility** in the campus with a professional hair-dresser at an affordable cost for poor students.
- **Free Egg and Milk Scheme:** It is another girl-students' health and welfare program of the College. Under this program, **100 anemic girl-students** are served a glass of milk and an egg after the class hours every day.
- The College has a **Student Council**. Two representatives from each class make up the body of the Students' Council which meets periodically with the Management and staff representatives **to take stock of various curricular and co-curricular activities** on the campus and offers many valuable suggestions. The Student Council also has coordinators drawn from students such as Literary Coordinator, Cultural Coordinator, Girls' Coordinator, etc. Thus students are also made part of organizing and monitoring of the College activities.
- Apart from the centralized Student Council, each department also has a **Departmental Association**, with a Chairman, Secretary and Joint Secretary nominated from the III, II and I year students respectively. Under the guidance of a Staff Coordinator, they plan and execute various activities of their department.

- The College organizes **Mid-day Meal Scheme** to the economically weak students.
- The College is run by an international organization, the Society of Jesus that **evinces global concern** in its admission policy. Special consideration is given to prospective students from overseas, especially to the **refugees from Tibet**. Not going strictly by merit, special admission criteria are adopted with regard to the admission of overseas students. The policy of the Management of the College is **to promote universal brotherhood and sisterhood and to prepare men and women for others**.
- **North Eastern and Tibetan Cell:** To reinstate the diminishing faith of particular sections of students, the Student Council inaugurated two cells at ALC on 1st September 2012. The two cells were named **Andhra Loyola North Eastern students (ALONES)** and **Andhra Loyola International students (ALINS)**.
- **Delegates of Value Education (DOVE)** is a student's initiative with the support of the Department of Ethics and Religion. The DOVE volunteers visit areas and institutions of social service such as Old age homes, homes for street children, colonies and slums inhabited by backward groups, and tribal areas to acquire a firsthand knowledge of the ground realities.
- Insurance Fund
- **Wikipedia**

7.3. Any additional information regarding Innovations and Best Practices which the College would like to include.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

1. Title of the Practice

Promotion of e- content Development

2. Objectives of the Practice

- To make the students become e- readers, writers and editors in the internet.
- Writing Skills (ability to write in an objective fashion/NPOV);
- Digital information literacy skills;
- Ability to critically engage with a concept/theme;
- Language proficiency skills

- E-content development in the Indian languages in all the subjects
- To impart knowledge of digital technology both for faculty and students
- Students would become part of a bigger open knowledge movement to explore the knowledge
- Strengthening Indian languages for higher education purposes;
- Expanding the digital presence of Indian languages,
- Free access to knowledge not just in English but also in Indian languages.

3. The Context

Humanity world over is at the cusp of a tectonic shift in the production, consumption, dissemination and distribution of knowledge. This warrants changes in frameworks of looking at knowledge, information and data in the digital era at multiple levels and by multiple players including students, academics, entrepreneurs, researchers, civil society, Universities and the State. Within this context of the digital turn, openness and transparency have gained newer significance. Especially FOSS related awareness and usage.

ALC has signed an MoU with CIS-A2K, Bangalore in 2014. This MoU is meant to make students of ALC as Wikipedia editors and contributors. UG and PG students from all the streams, mainly from Botany, Telugu, Physics, Chemistry, Statistics, Management, Religion & Ethics and Music & Dance would be participating in this program.

In the course of the work, students will also learn how to type, how to resolve clashes in point of view and how to participate in community discussions online.

4. The Practice:

Andhra Loyola College, Vijayawada and Centre for Internet and Society, Access to Knowledge Program, Bangalore had a MoU” Both the parties will work together to design, develop and execute joint collaborative projects involving students and faculty of ALC to creating digital knowledge repositories in fields like Botany, Physics, Chemistry and Telugu. Both the parties will mutually agree upon arriving at a set of activities every six-months. **CIS-A2K** will offer technical support and training to all the faculty and students of ALC.

5. Evidence of Success:

- The ease with which students could use computers as medium to share knowledge and their through output increased considerably.

- The thrust for research increased as the students develop their own content and the sense of ownership has increased the responsibility to deliver knowledge in unique ways.
- The quest for more understanding of subject matters and relation with the professors strengthened more as students try to extend their works out of classrooms knowledge.
- **Work done so far:**
 - Dept of Botany added 185 articles in wiki resources
 - Dept of Statistics added 85 articles in wiki resources
 - Dept of Physics added 285 articles in wiki resources
 - Dept of Telugu typed entire Kandukuri Veerasalingam in wiki resources
 - Total 350 students trained so far

6. Problems Encountered and Resources Required

- Adjusting the regular class room hours has been a tough task always.
- Regular training could enhance the productivity.

1. Title of the Practice

Andhra Loyola Extension Service for Rural Transformation (ALERT)

Andhra Loyola Assistance for Neighborhood Advancement (ALANA)

2. Objectives of the Practice

Andhra Loyola Extension Service for Rural Transformation (ALERT) has three distinct strategies:

- **Locality Development** (Bottom-UP)
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- **Social Action** (Inside-Out)

The **locality development strategy** is **bottom-up** because it is self-help, participatory model of change. Through ALERT, students provide encouragement, support, expert knowledge, etc., to people. Students work side-by-side with the local residents to create the conditions that make change and empowerment possible.

The **social planning strategy** is **top-down strategy** for **community development**. It emphasizes the technical aspects of solving problems. Thus, through ALERT, students **guide and control** the development process through the use of **technical skills** such as **sophisticated data collection** and **analysis** and **present systematic reports** to the authorities concerned.

The **social action strategy** is an **inside-out strategy** as it **focuses on organizing** those segments of the community which are being overlooked to stand-up for their rights and demands that their needs and concerns be addressed.

The College believes that its existence is not only to provide extension services for rural transformation but also to transfer the benefits of knowledge it generates to the

urban neighborhood community, especially to the school-going children of the neighborhood. Thus, ALC is organizing a distinct extension program named **ALANA**, an acronym for **Andhra Loyola Assistance for Neighborhood Advancement** from the academic year 2012 - 2013.

ALANA - Andhra Loyola Assistance for Neighborhood Advancement - Is an intervention, an educational process which intends to induce a voluntary change in behavior. It focuses on a number of target processes and outcomes and has a technological, research, and professional dimension. The chief goal of ALANA is to involve our students and their classroom learning in a meaningful way for the benefit of the schools run by the Vijayawada Municipal Corporation and other Governmental institutions.

3. The Context

One of the goals of the College is to form men and women with Compassionate Commitment

- This goal of the institution is also reflected in the extension activities of the College. **ALERT – Andhra Loyola Extension for Rural Transformation** - the specifically-designated program of the College introduced with the objective of extending the classrooms into the neighborhood takes care of infusing compassionate commitment and conscience in students.
- **ALANA - Andhra Loyola Assistance for Neighborhood Advancement** - an extension service and community-based empowerment program introduced from the academic year 2012 - 2013 for our first year Degree students is part of the College Golden Jubilee initiative.

4. The Practice:

By **staying in the Live-in Camps** conducted by ALERT, students are exposed to the stark realities of rural communities. This inculcates in them **a sense of belonging** to the local community and society. As students work side-by-side with the local residents to create the conditions that make change and empowerment possible, they inculcate **values of compassionate leadership and committed companionship**. They also become well-aware of the social realities, **sensitive to community problems and atrocities on the weaker and marginalized sections of the society**.

The exposure to **social planning strategy for community development**: Students become aware of the technical aspects of solving problems. As **students guide and control** the development process through the use of **technical skills** such as **sophisticated data collection, analysis, and systematic reporting**, they hone-up their own technical skills, presentation skills, persuasive skills, and communication skills.

The **social action strategy** of ALERT focuses on organizing those segments of the community which are being overlooked to stand-up for their rights, to demand that

their needs and concerns be addressed. Thus students inculcate the habit of standing up for their rights, involve themselves in the working of local administration, standing by social justice and importance of community empowerment.

Through **ALANA**, students develop leadership qualities, values of understanding cooperation, collaboration and a sense of responsibility. They inculcate and cherish the value of 'sharing' and 'giving'.

Self-help Groups:

Following the 2004 Tsunami, our students undertook relief and rehabilitation works in villages along the Manginapudi sea coast of Krishna District. After this, our students surveyed and identified the worst-affected five villages viz. Manginapudi, Usalavaripalem, Raipalli, Atchavaripalem and Jinjeru along the sea coast and one upland village i.e. Gudlavalleru which are mostly dalit-habitats. In these villages, the women-folk have been motivated and formed into Self-Help Groups (SHGs) for their self-economic empowerment and upliftment. Initially, the SHGs were given loans with 50% subsidy. Subsequently, all the SHGs started depositing their savings in a Bank Account and created a Revolving Fund for sanction of loans among the SHGs. The SHGs programme has been running successfully since then and now there are 17 SHGs comprising 178 members in the identified six villages. The members of SHGs have become self-reliant, earning their own income by engaging in small vocations like Animal Husbandry, Tailoring, Gold Covering Work, and petty businesses.

5. Evidence of Success:

Micro loans disbursed by the ALERT/ALANA program under the aegis of the Department of Ethics and Religion, Andhra Loyola College, yielded the following long term results. The impact was assessed by means of a Survey in which 100 beneficiary women selected at random were administered a questionnaire.

1. Infrastructure and basic amenities. 41% reported construction/addition of various basic amenities. This includes house, plastering of the house, toilet construction, surrounding wall and so on.
2. Thrift. 24 % reported that after the commencement of the scheme the most significant improvement is that they realized and now practice thrift. They now got into the habit of putting aside some money for future use or creation of further assets.
3. Increased family income. A good percentage of 47% said that due to the micro loan program, the family income appreciably went up. The women have acquired buffaloes, goats, light transportation vehicles, sewing machines, etc and improved their family income.
4. Life style change. 20% have directly reported a "change in life style." They or their husbands used to work under someone else or work as agricultural laborers, now these families are able to employ a few in ventures started by them such as Carpentry, electrician work etc.

5. Personality and empowerment. The women noticed a visible shift in their general personality and a sense of empowerment, 40% reported that they are now expressing their ideas better at the family and community level. They are bold and better at decision making. Due to their earning capacity, they are now helping the husband run the family and some women who lost their husbands or whose husbands are habitual drunkards, are standing on their own feet and look after their family needs independently.
6. Better standard of living. Looking at health and happiness scale, 14% reported that they now enjoy better standard of living.
7. Education of Children. 30% of the women said that the micro loan scheme has directly impacted their children's education. They could send their children to courses such as engineering, nursing, general education and industrial training.
8. Freedom from high interest Loans. 16% reported that they are now free from high interest personal loans, In the past the interest they are obliged to pay drained their meager daily income.
9. Entrepreneurship. Due to the program the beneficiaries were transformed into entrepreneurs in their own right. 21% of the women could set up their small business outfits, (eg. Vegetable vending, Kirana shop, casuarina plantations, gold covering, sale of sarees.

6. Problems Encountered and Resources Required

- Adjusting the regular class room hours has been a tough task always.
- Transportation
- Motivation for the local community

EVALUATIVE REPORT OF THE DEPARTMENT OF ENGLISH

1. **Name of the Department & its year of establishment**

Department of English; 1954

2. **Names of Programmes / Courses offered (UG Courses)**

General English & Advanced English. (Under Graduation) & Soft Skills

3. **Interdisciplinary courses and departments involved: Nil**

4. **Annual/ semester/choice based credit system**

Choice based credit system

5. **Participation of the department in the courses offered by other departments:**

NA

Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professors	06	06
Asst. Professors	07	07

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Sri.Ranga Babu	M.A., M.Phil., PGDELT, MJMC.,	Lecturer	Literature	27	Nil
Sri.D.Praveen	M.A., SLET(Ph.D)	Lecturer	Literature & Lang	23	Nil
Sri.R.Vijaya Kumar	M.A., B.Ed.(M.Phil)	Lecturer	Literature	23	Nil
Fr.Dr. A.Rex Angelo	M.A., B.ED., M.Phil., Ph.D.& SLET	Lecturer	Literature & Lang	18	Nil
N.Nirmala Mary	M.A., B.Ed	Lecturer	Literature	19	Nil
Dr.B.Raju	M.A., M.Phil. & Ph.D.	Lecturer & H.o.D	Indian Litt. & IV world	18	NIL
Mr.Sanjeev Kumar Bali	M.A., SLET	Lecturer	Literature	20	Nil
Smt. Shyamala	M.A., PGDTE, SLET	Lecturer	Literature	14	Nil
Smt. Sai Mamata	M.A., M.Phil. (Ph.D)	Lecturer	Literature	06	Nil
Fr.S.Raju	M.A	Lecturer	Literature	9	Nil
Smt. Subha	M.A., M.Phil.(Ph.D)	Lecturer	Literature	05	Nil
Smt. Shalini Jayanthi	M.A., PGDTE(Ling)	Lecturer	Literature	02	Nil
Fr.Anil Kumar	M.A	Lecturer	Linguistics	03	Nil
Smt.Shahini Begum	MA	Lecturer	Literature	05	Nil
Smt. S.Suseela	MA	Lecturer	Literature	02	Nil

8. **Percentage of classes taken by temporary faculty - programme-wise information**
-NA -
9. **Programme-wise Student Teacher Ratio**
23:1; 35 to 60:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**
Nil
11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise**
Nil
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**
Nil
13. **Research facility / centre with**
 - state recognition(Parental University i.e Krishna University)
 - national recognition: Nil
 - international recognition: Nil
14. **Publications:**
 - * **number of papers published in peer reviewed journals (national / international) 53**
 - * **Monographs: Nil**
 - * **Chapter(s) in Books: 02**
 - * **Editing Books: in progress 02**
 - * **Books with ISBN numbers with details of publishers: 03**
 - * **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
 - * **Citation Index - range / average**
 - * **SNIP**
 - * **SJR**
 - * **Impact factor - range / average**
 - * **h-index**

Nil
15. **Details of patents and income generated**
Nil

16. **Areas of consultancy and income generated**

Nil

17. **Faculty recharging strategies**

Faculty Development Programme by IQAC (Internal Quality Assurance Cell)

18. **Student projects**

* **percentage of students who have done in-house projects including inter-departmental**

Final Year Advanced students

* **percentage of students doing projects in collaboration with industries / institutes**

Nil

19. **Awards / recognitions received at the national and international level by**

Faculty Recognitions:

- Dr.B.Raju, Dept. of English, has been invited as Editor of the Journal Notions. ISSN No: 0976-5247 comes on online as well bi-monthly Journal.
- Dr.B.Raju, Dept. of English, has been invited as Web-Editor of the Journal an International Peer Reviewed Journal “The Cultural & Literary Nationalism of Fourth World”. ISSN No: 2349-3038 (bi-annual).

* **Doctoral / post doctoral fellows**

* **Students**

Nil

20. **Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.**

The Department conducted a seminar on Dalit Literature on 16-07-2012 by Prof. Armstrong from Madras Presidency University.

The Dept conducted 11 workshops during 2012-13.

- a. On “Honing Pedagogical Skills for the newly-recruited teaching staff of Andhra Loyola College on June 2012;
- b. On ‘Developing Communication Skills and Pedagogical Skills’ and on ‘Enriching the English Classroom’ [two workshops] for the teachers of VP Siddharatha Public School, Vijayawada, on 13 June 2012;
- c. On ‘Microteaching in ELT’ and Teaching Aids [two workshops] for the postgraduate [English] students as well as the teaching staff of the Department of English at Maris Stella College, Vijayawada, on 18 September 2012;
- d. On ‘Keys to Success in Communication’ for the faculty of JMJ College,

Tenali, on 11 October 2012;

- e. On ‘Professional development in ELT: Pedagogy and Reflection’ for teachers of English from different colleges in the state at Gudlavalleru Engineering College, Gudlavalleru, on 18 October 2012 ;
 - f. On ‘strategies for Successful communication’ for the B.Tech students of the Andhra Loyola Institute of Engineering and Technology, Vijayawada, on 03 November 2012;
 - g. On ‘Developing a Winning Personality with soft Skills’ for the B.Tech students of the Andhra Loyola Institute of Engineering and Technology, Vijayawada, on 08 October 2012;
 - h. On ‘Soft Skills and Personality development for the BBA students of Andhra Loyola College on 15 December 2012.
 - i. On ‘Strategies for Successful Communication’ for the students of Noble College, Machilipatnam, on 29 January 2013.
- The Department conducted a Poetry Competition: English Language Teaching [ELT] Centre organized poetry 2010 competition – a competition in poetry reading and writing – part-sponsored by The Hindu on 27th August 2010 on the eve of inauguration of Loyola Literary Society. Former Defense Officer, Commander V.V.Murali Krishna was the Chief Guest at the inaugural of the competition in which 40 students of undergraduate and postgraduate courses of different institutions participated. Fr.Principal presided over and Dr.Ramanujam, Director, Loyola ELT Centre, spoke about why the Centre had decided to hold the poetry festival.

21. Student profile course-wise:

Academic Year	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2012	1025	360	120	98%	99%
2012-2013	1100	380	165	98%	98%
2013-2014	1612	502	297	97%	98%
2014-2015	1248	498	118	98%	99%

Academic Year	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2012	31	14	7	98%	100%
2012-2013	32	14	7	98%	100%
2013-2014	35	15	8	97%	98%
2014-2015	38	18	4	98%	99%

22. Diversity of students

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

NA

24. Student progression

Student progression	Percentage against enrolled
UG to PG	70%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	Nil

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	01
from other universities within the State	07
from other universities from other States	02

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.02

Dr.B.Raju and Dr.Rex Angelo

27. **Present details about infrastructural facilities**
- a) Library :Available
 - b) Language Lab
 - c) Internet facilities for staff and students: Available with 18 systems
 - d) Total number of class rooms: 3
 - e) Class rooms with ICT facility: 1
 - f) Students' laboratories: 1(Language Lab)
 - g) Research laboratories: N.A.
28. **Number of students of the department getting financial assistance from College.**
- 40% Students are using subsidized lunch which is provided by college.
29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**
- Nil
30. **Does the department obtain feedback from**
- a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**
Yes
 - b. **students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**
Feedback from the students will be taken at the end of every academic year and necessary changes are suggested to the concerned faculty members.
 - c. **alumni and employers on the programmes and what is the response of the department to the same?**
Nil.
31. **List the distinguished alumni of the department (maximum 10)**
- Dr.B.Prasada Rao, former Home Secretary, Govt. of A.P.**
- Sri P Ramesh Kumar, IAS, Principal Secretary, Finance, Govt. of A.P.**
- Sri Koppula Raju, IAS**
- Prof.P.Rajasekhar, Registrar, Acharya Nagarjuna University**
- Sri Gadde Mangaiah, Industrialist and Educationist**
32. **Give details of student enrichment programmes (special**

lectures/workshops/seminar) with external experts.

Seminars:

The Department conducted a guest Lecture by a renowned former faculty member Mr.Suresan on “Communication and soft skills” for the students of First & Second year.

Self-funding

A Two-Day National Seminar was conducted in collaboration with ISCS (Indian Society for commonwealth Literature) on 6-7th January 2016 on the topic “New Directions in Postcolonial Aspects”. The response was overwhelming.

Institution & Department raised the funding.

The Department conducted a seminar on Dalit Literature on 16-07-2012 by Prof. Armstrong from Madras Presidency University.

Sri.R.Vijaya Kumar and Ms.Sai Mamata delivered a lecture on “English as a Global Language” at the inauguration of “Narayana English Club” at Narayana Techno School, on 19th July 2012.

The Department conducted a Poetry Competition: English Language Teaching [ELT] Centre organized poetry 2010 competition – a competition in poetry reading and writing – part-sponsored by The Hindu on 27th August 2010 on the eve of inauguration of Loyola Literary Society. Former Defense Officer, Commander V.V.Murali Krishna was the Chief Guest at the inaugural of the competition in which 40 students of undergraduate and postgraduate courses of different institutions participated. Fr. Principal presided over and Dr.Ramanujam, Director, Loyola ELT Centre, spoke about why the Centre had decided to hold the poetry festival.

The Department conducted a guest Lecture on 11th December 2015 by Dr.Latha, K.L.University, on the Importance of Soft Skills for students of Final Year Degree

The Department conducted a National Seminar on “New Aspects in Postcolonial Literature” on 6-7 January 2016 in collaboration with ISCS. The response is overwhelming.

33. List the teaching methods adopted by the faculty for different programmes.

- LCD

- Lecture method
- OHP Projectors
- Video Seminars method
- Assigning Curricular Activity for Practical Knowledge

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The department is meeting the objectives by maintaining effective pass percentage levels. The department is conducting seminars, workshops, debates, literary and cultural competitions.

35. Highlight the participation of students and faculty in extension activities. Field Visits:

Hindu Press to understand the field of journalism.

36. Give details of “beyond syllabus scholarly activities” of the department.

Conducting the activities like

- Literary Quiz
- Spell Bee
- Project Presentations
- Presenting CV.
- Group Discussions
- Elocutions

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Nil

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

- Resource Management
- Ability to train & motivate
- Time Management
- Periodical submission of progressive report.
- Effective Team Work

Opportunities:

- Good output for higher studies.
- Good future admissions.
- Better Choice for Academics/Industries.

Challenges:

- Versatility in Students Culture & Capability
- Demand of Academic/Business Market
- Competition with Higher Management Institutions

39. **Future plans of the department.**

- To make students industry ready.
- To prepare the students for further higher studies.
- To establish strongly in Research Area
- To conduct International Seminar

EVALUATIVE REPORT OF THE DEPARTMENT OF TELUGU

3. Name of the Department & its year of establishment: Department of Telugu - 1954
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Degree 1 & 2 Years – II language General Telugu.
Degree 1, 2 & 3 Years (AET, NET & DET Students) – Advanced Telugu
5. Interdisciplinary courses and departments involved

For advanced Telugu History and Economics
6. Annual/ semester/choice based credit system

Semester - Choice based credit system
7. Participation of the department in the courses offered by other departments
Participating in General electives offered by other Departments (Spoken English, Food technology)
8. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	4	4
Asst. Professors		

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr Gumma Sambasivarao	M.A,Ph.D	Reader in Telugu	Pada Sahityam	33 Years	3
Dr R. Ravindra Bhas	M.A, M.Phil Ph.D	Reader in Telugu	FOLK LITERATURE	26 Years	-
Dr V.Gopala Reddy	M.A,M.Ed, Ph.D	Reader in Telugu	Onamastics	28 Years	-
Dr G.A.P.Kishore	M.A,Ph.D	Reader in Telugu	Sayings in Bible.	20 Years	-
Dr D.Krupa Rao	M.A,Ph.D	Lecturer in Telugu	Folk lore	16Years	-
Sri K.Sekhar	M.A,M.Phil	Lecturer in Telugu	Modern Literature	10 Years	-
Dr K.Joseph	M.A	Lecturer in Telugu	Dialectology.	2 Years	-

8. Percentage of classes taken by temporary faculty – programme-wise information

- NA -

9. Programme-wise Student Teacher Ratio

General Telugu - 1:65

Special Telugu - 1:25

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

- NA -

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

NIL

13. Research facility / centre with

○ state recognition

Recognized By Krishna University.

○ national recognition

○ international recognition

14. Publications:

* Number of papers published in peer reviewed journals (national / International)

50

* Monographs -2

* Chapter(s) in Books

* Editing Books

* Books with ISBN numbers with details of publishers

1.Telugu Vangmaya Charitra – Rachayitalu “ Published by Telugu Academy ,A.P

2.”Sri Sri Satakam”

3.Telugu Sahitya Charitrakarulu.

4.Cinare Satakam.

5.Jashuva Satakam.

6. Kanyasulkamlo Haasyam.

7.Telugug Bala Satakam.

8.Gurajada Kathalu – Naataka Rupakaalu.

9. Telugu Basha Chaitanya Yaatralu.

10. Telugu- bible samethalu.

* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Citation Index – range / average

* SNIP

- * SJR
- * Impact factor – range / average
- * h-index

15. Details of patents and income generated
NIL

16. Areas of consultancy and income generated
NIL

17. Faculty recharging strategies

Orientation, Attending Seminars, Workshops, Book Reviews, Writing Articles and Guest Lectures

18. Student projects

- Percentage of students who have done in-house projects including inter-departmental **100 %**
- percentage of students doing projects in collaboration with industries / institutes

19. Awards / recognitions received at the national and international level by

- Faculty
 1. In 2010, an Award was received for his poem “Maa Naanna“ by Dr Gumma Sambasivarao from the Kinnera Arts of A.P.
 2. In 2011 “Best Telugu Lecturer Award“ was received by Dr Gumma Sambasivarao from the Government of A.P.
 3. A Title “Prasanga Prajnanidhi” was received from Dr.Gumma Sambasiva Rao by Andhra Arts Academy.
 4. On August 29th 2014, Dr Gumma Sambasivarao was felicitated with “Basha Puraskar Award” by the District Collector of Krishna District.
 5. On 28th August 2014, Basha Seva Puraskaram was received by Dr Gumma Sambasivarao from Delhi Public School, Vijayawada.
 6. On 7th September 2014, Dr.Gumma Sambasivarao received consolation prize from NADI monthly, for his novel Samkeerthanacharya.

- Doctoral / post doctoral fellows
- Students

20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

21. Student profile course-wise:

Name of the Course – General Telugu 1st year

Academic Year	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2012	1025	360	120	98%	99%
2012-2013	1100	380	165	98%	98%
2013-2014	1612	502	297	97%	98%
2014-2015	1248	498	118	98%	99%

Name of the Course – Advanced Telugu 1st year

Academic Year	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2012	31	14	7	98%	100%
2012-2013	32	14	7	98%	100%
2013-2014	35	15	8	97%	98%
2014-2015	38	18	4	98%	99%

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
General Telugu	35%	99%	1%	
Advanced Telugu	50%	95%	5%	

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

In the last four years 48 students completed NET

24. Student progression

Student progression	Percentage against enrolled
UG to PG	75%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
the same parent university	NIL
from other universities within the State from	50%
other universities from other States	50%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

One submitted Thesis in January 2015 and received in Doctorate degree in September

27. Present details about infrastructural facilities

- a) Library - Yes With 3,000 books
- b) Internet facilities for staff and students - Yes
- c) Total number of class rooms - centralized
- d) Class rooms with ICT facility - 1
- e) Students' laboratories - 1
- f) Research laboratories

28. Number of students of the department getting financial assistance from College40

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Surveys are conducted in the emerging needs, analyzed in the department, discussed in BoS & decided in Academic council.

30. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

It is discussed in the Board of Studies and the syllabus is changed accordingly.

- Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

It is discussed in the department and is attended to accordingly. If certain things have to be taken to the Board of Studies and Academic council, they also are attended accordingly.

- Alumni and employers on the programmes and what is the response of the department to the same?

It is discussed in the department and is attended to accordingly. If certain things have to be taken to the BoS and Academic council, they also are attended accordingly.

31. List the distinguished alumni of the department (maximum 10)

1. Sri P Nagaraju, Indian bank (PO)

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

- Telugu Bhasha Dinotsavam:** The Department of Telugu celebrated Telugu Bhasha Dinotsavam on 29th August 2012 in commemoration of the birth anniversary of renowned Telugu scholar, Gidugu Rama Murthy Panthulu. On this occasion, Padmasri Turlapati Kutumba Rao inaugurated the branch of “Samskruthika Chaitanya Vedika” that strives to preserve and propagate the Telugu language and culture, in our College. Under the aegis of “Samskruthika Chaitanya Vedika”, a ballet viz. “Telugu Basha Vybhavam” depicting the greatness and glory of Telugu language was staged as part of the celebrations

- The Department of Telugu organized a Career Guidance programme for the

final year students with Dr Dwana Sastry as the Resource Person on 10-11-14.

3. The Dept. of Oriental Languages organized a guest lecture on “Literary Movements In Telugu” by Dr Dwana Sastry on 03-12-14.
4. The Dept. of Oriental Languages celebrated “Telugu Basha Dinotsavam” on 22nd August 2014. Renowned stage artist Sri Aachanta venkata Ratnam Naidu addressed the students, and staged and recited the poems of old dramas.
5. The Dept. of Oriental Languages arranged Exhibition on 1st & 2nd of September 2014. A good number of attractive exhibits were displayed which were appreciated by both the students and visitors..
6. Students and the staff of the Dept. of Oriental Languages participated enthusiastically participated in the Ethnic Day celebrations organized by the college on 9-12-2014. Arts students received the best award for their performance.
7. A guest lecture was arranged for the students of Telugu Department which was delivered by Dr Santosh Kumar, Wikipedia project officer, on the topic “Telugu in WIKI” on 5th December 2014.
8. A guest lecture with audio video presentation on “Chinnayasuri Mitrabhedam” was arranged for the Advanced Telugu students by Sri Sk.Rehmanuddin, Officer, Center for Internet and Society, Bangalore, on 29-11-14.
9. A winter Wiki Workshop was arranged for the students from 26th to 31st December 2014. 25 students participated and digitalized the works of Sri Kandukuri Veeresalingam rachna Sarwaswam.
10. The Dept. of Oriental Languages arranged a **Kavi Sammelanam** on the Government of India’s new initiative SWACHHA BHARAT in collaboration of Telugu Daily EENADU on 16-12-14. Students and staff participated and recited poetry.
11. The Dept. of Telugu arranged an educational trip to the Warangal for the Final year Advanced Telugu students on 14-12-14,

33. List the teaching methods adopted by the faculty for different programs.
Lecture Method, Assignments, Peer teaching

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

In periodical departmental meetings.

35. Highlight the participation of students and faculty in extension activities.

Blood donation, traffic awareness, pulse polio campaign, rural teaching through AALANA, AIDS awareness rallies, Swacha Bharat, Visiting and helping the old age homes' inmates, Child Labor Eradication rallies, Rallies against Human trafficking, and Anti Alcohol Campaigns are the important extension activities in which our students actively participate regularly .

36. Give details of “beyond syllabus scholarly activities” of the department.

Department of Telugu is collaborating with Wikipedia foundation for the development of Telugu Wikipedia. 25 students are trained with Telugu Wikipedia.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

NA

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

➤ **STRENGTHS**

- Well qualified staff.
- Highly experienced Staff.
- Diversified Specializations.
- Resourcefulness
- Well-known Writers

➤ **WEAKNESSES**

- Not all students have the same exposure.
- In Advanced Telugu, majority students are from rural and poor background lacking motivation.
- In general Telugu (II Language), students are of varied standards and motivation.

➤ **OPPORTUNITIES**

- It is an enriching experience to the staff to teach all kinds of students in II Language classes.

- Opportunities to contribute to Literary and Cultural fields.
- Enriching exposure to Print & Electronic Media.

➤ **CHALLENGES**

- To motivate students coming from disadvantaged background.
- To deal with students of varied backgrounds in the same class.

39. Future plans of the department.

1. Developing orator ship among the students.
2. Improvement of writing and language skills.

EALUATIVE REPORT OF THE DEPARTMENTS OF HINDI & SANSKRIT

1. Name of the Department & its year of establishment

Department of Hindi- 1954 & Department of Sanskrit -1983

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Degree 1 & 2 Years – II language Hindi & Sanskrit.

3. Interdisciplinary courses and departments involved

4. Annual/ semester/choice based credit system

Semester - Choice based credit system

5. Participation of the department in the courses offered by other departments

Participating in General electives offered by other department

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	2	2
Asst. Professors	0	0

8. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of	No. of Ph.D. Students guided for the last 4 years
Dr Venna Vallabharao (Retired on May 2013)	M.A,Ph.D	Reader in Hindi	Pada Sahityam	29 Years	
Dr Marrivada Sivaram	M.A, M.A Ph.D	Reader in Sanskrit	Sahityam	26 Years	
Dr N.Sureshbabu	M.A, M.A, Ph.D	Lecturer in Sanskrit	Sahityam & Yoga	14 Years	
Sri K Prakasa Rao	M.A,	Lecturer in Hindi		05 Years	
Dr G Dhanalakshmi	M.A,Ph.D	Lecturer in Hindi	NOVELS	01Years	

8. Percentage of classes taken by temporary faculty – programme-wise information

- NA -

9. Programme-wise Student Teacher Ratio

General Hindi - 1:60

General Sanskrit - 1:75

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled
- NA -
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
NIL
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
NIL
13. Research facility / centre with
- state recognition
 - national recognition
 - international recognition
14. Publications:
- * Number of papers published in peer reviewed journals (national / International) **20**
 - * Monographs
 - * Chapter(s) in Books
 - * Editing Books
 - * Books with ISBN numbers with details of publishers
1. **“Bhagavthicharan Varma ke upanyason mein Vyatki aur Samaj”.**
(ISBN: 81- 7868-060-2)
 2. **Telugu hi pracheen hai**
 3. **Chote Kumar (ISBN : 81-86907-51-3)**
 4. **Telugu Bhasha Samskruti Chaitanya Yatralu(Joint Author)**
 5. **Sahitya Varadhi**
 6. **Kavita Bharati**
 7. **Arigapudi Ramesh chowdary Jeevitam,Rachanalu**
 8. **Viramamerugani Payanam**
 9. **Andhra Pradesh kaa Sanskritik Paryatan kshetra aur Lok Kalaein**
 10. **Gurajada kathalu-Nataka Roopalu (Joint Author)**
 11. **21vee Shataabdee ki Telugu Kavitha (ISBN:81-86907-99-0)**
 12. **Akshara Satya**
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index – range / average
 - * SNIP

- * SJR
- * Impact factor – range / average
- * h-index

18. Details of patents and income generated : NIL

19. Areas of consultancy and income generated : NIL

20. Faculty recharging strategies

Orientation, Attending Seminars, Workshops, Book Reviews, Writing Articles and Guest Lectures

18. Student projects

- o percentage of students who have done in-house projects including inter-departmental **100 %**
- o percentage of students doing projects in collaboration with industries / institutes

19. Awards/recognitions received at the national and international level by Faculty

1. Dr V.Vallabha Rao received Best Translation (Rs.25000 Cash) award from Andhra Pradesh Hindi Academy and was presented on 14-09-2011 by Hon'ble Deputy Chief Minister Sri Damodara Raja Narasimha.
2. Dr V.Vallabha Rao received Sri Boyapati Nageswara Rao's award (Rs.5000 Cash) from Hindi Mahavidyalaya, Tenali, on 02-10-2011

- o Doctoral / post doctoral fellows

Dr N.Sureshababu, Lecturer in Sanskrit, received Doctorate for his thesis entitled "A study of Yoga science in modern life" from Acharya Nagarjuna University, on 26th September 2011.

Dr G.Dhana Lakshmi, Lecturer in Hindi, received doctorate for her thesis entitled "Dr Range Raghav ke saamajik Upanyasomka adhyan" from Andhra University on 13th November 2014

Dr N.Suresh Babu, Lecturer in Sanskrit, received Doctorate in Telugu for his thesis entitled "డా.గుమ్మూ సాంబశోవరామ గారో శతకాలు - ఒక పరిశీలన" from Acharya Nagarjuna University, in September 2015

- o Students

20. Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants, if any.

U.G.C. National Seminar Organized:

Organized an U.G.C.-sponsored National Seminar as Convener on ‘Bharateey Bhashaon mein Swatantryottar Sahitya ke Pramukh Vidhayen Aur Pravrittiyan’ conducted by Dept. of Oriental Languages, Andhra Loyola College, Vijayawada on 24th-25th August 2012

21. Student profile course-wise:
1. General Hindi 1st Year

Academic Year	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2012	215	74	35	98%	99%
2012-2013	235	86	46	98%	98%
2013-2014	302	83	45	97%	98%
2014-2015	267	97	54	98%	99%

General Sanskrit 1st Year

Academic Year	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2012	356	109	72	98%	99%
2012-2013	321	120	65	98%	98%
2013-2014	276	96	63	97%	98%
2014-2015	337	98	62	98%	99%

23. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
General Hindi	20%	78%	22%	
General Sanskrit	25%	80%	20%	

25. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

26. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	

- Campus selection
 - Other than campus recruitment
- Entrepreneurs

28. Diversity of staff

Percentage of faculty who are graduates	
the same parent university	NIL
from other universities within the State from	50%
other universities from other States	50%

29. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Dr N.Suresh Babu, Lecturer in Sanskrit, received Two Doctorate degrees in Sanskrit and Telugu for his research work.

Dr G.Dhana Lakshmi , Lecturer in Hindi, received a doctorate in her

subject .

30. Present details about infrastructural facilities
- a) Library - Yes With 2,000 books
 - b) Internet facilities for staff and students - Yes
 - c) Total number of class rooms - centralized
 - d) Class rooms with ICT facility - 1
 - e) Students' laboratories - 1
 - f) Research laboratories

31. Number of students of the department getting financial assistance from College.40

32. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Surveys are conducted in the emerging needs, analyzed in the department discussed in Board of Studies and decided in Academic council.

33. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. It is discussed in the Board of Studies meeting and the syllabus is changed accordingly.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. It is discussed in the department and is attended to accordingly. If certain things have to be taken to the Board of Studies and Academic council, they also are attended accordingly.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Yes. It is discussed in the department and is attended to accordingly. If certain things have to be taken to the Board of Studies and Academic council, they also are attended accordingly.

34. List the distinguished alumni of the department (maximum 10)

Sri P Nagaraju Indian bank (PO)

35. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

1. The Dept. of Oriental Languages organized a guest lecture on "literary movements in Telugu" by Dr Dwana Sastry on 03-12-14

2. The Dept. of Oriental Languages celebrated “Telugu Basha Dinotsavam” on 22nd August 2014. Renowned stage artist Sri Aachanta Venkata Ratnam Naidu addressed the students, and staged and recited the poems of old dramas.
 3. The Dept. of Oriental Languages arranged Exhibition on 1st & 2nd September 2014. Many exhibits are exhibited. Students and Visitors participated with great enthusiasm.
 4. Students and the staff of the Dept. of Oriental Languages participated in the Ethnic Day celebrations organized by the College on 9-12-2014. Arts students received best award for their performance.
 5. The Dept. of Oriental Languages arranged a KAVI SAMMELANAM on Central Government’s new initiative SWACHHA BHARAT in collaboration with local Telugu Daily EENADU on 16-12-14. Students and staff participated and recited poetry.
 6. The Dept. of Oriental Languages organized “Hindi Day” in September 2015.
36. List the teaching methods adopted by the faculty for different programs.
- Lecture Method, Assignments, Peer teaching
37. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- In periodical departmental meetings.
38. Highlight the participation of students and faculty in extension activities.
- Blood donation, traffic awareness, pulse polio campaign, rural teaching through AALANA, AIDS awareness rallies, Swacha Bharat, Visiting and helping the inmates of old age homes, Child Labor Eradication rallies, Rallies against Human trafficking, and Anti Alcohol Campaigns.
39. Give details of “beyond syllabus scholarly activities” of the department.
40. State whether the programme/ department is accredited/ graded by other agencies. Give details.
- NA
41. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

STRENGTHS

- Well qualified staff.
- Highly experienced Staff.
- Diversified Specializations.

- Resourcefulness

WEAKNESSES

- Not all students have the same exposure.
- Majority students are from Rural and poor background lacking motivation.
- students are of varied standards and motivation.

OPPORTUNITIES

- It is an enriching experience to the staff to teach all kinds of students in II Language classes.
- Opportunities to contribute to Literary and Cultural fields.
- Enriching exposure to Print & Electronic Media.

CHALLENGES

- To motivate students coming from disadvantaged background.
- To deal with students of varied backgrounds in the same class.

42. Future plans of the department.

1. Developing orator ship among the students.
2. Improvement of writing and language skills.

DEPARTMENT OF PHYSICS

1. Name of the Department & its year of establishment:

DEPT OF PHYSICS, 1954
PG PHYSICS, 2005

2. Names of Programmes / Courses offered: UG (4 courses)

Maths, Statistics, Physics,
Maths, Physics, Chemistry,
Maths, Physics, Chemistry,
Maths, Physics, Computers

Names of Programmes / Courses offered: PG

M.Sc Physics

3. Interdisciplinary courses and departments involved:

We are teaching Physics not only for our MPC (Maths, Physics, Chemistry) students but also for Statistics & Computer Science students.

4. Annual/ semester/choice based credit system:

UG: Semester wise - Choice Based Credit System
PG: Semester wise

5. Participation of the department in the courses offered by other departments:

Few teachers from the physics department participated in the courses offered by the UG

Computer department & in PG Physics department.

Also we have collaboration with **B.Voc (Renewable Energy Mangement)**

- The Renewable Energy (RE) sector has a major role to play in ensuring the energy and ecological security of the country. The Ministry of New and Renewable Energy, Government of India, has plans for increasing the capacity of power generation through Renewable energy sources and has been playing a pioneering role in creating a conducive atmosphere and catalysing growth in the sector.
- The generic skill gaps identified in the RE industry are – Planning & co-ordination; skills in project management, erection, commissioning and grid integration of large scale RE projects, installation and commissioning skills and technocommercial marketing skills.
- Several sector specific skill gaps need to be addressed and these need unique interventions. Some of the sector specific skill gaps identified include – design and fabrication of biomass gasifiers, erection and commissioning of large scale biomass plants, design and installation of BIPV systems, grid integration

of megawatt scale solar PV, trouble shooting of solar PV lantern and home lighting circuitry.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

UG

	sanctioned	filled
Professors		
Associate professors(Readers)	14	19 (=14+5)
Assistant professors (sr.lecturers)		

PG

	sanctioned	Filled
Professors		
Associate professors(Readers)		
Assistant professors(sr.lecturers)	04	04

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No.of years of experience	No.of Ph.D students guided in the last 4 years
Dr.G.Venkateswara Rao	M.Sc.,M.Phil Ph.D.	Reader	Solid State Physics	26 years	Nil
Dr.G.Srinivasa Rao	M.Sc.,M.Phil Ph.D.	Reader	Electronics	26 years	2
Dr.Ch.Srinivasu	M.Sc.,M.Phil Ph.D.	Reader	Pure Physics with electronics specialization	26 years	3
Dr.V.Ashokbabu	M.Sc., B.Ed Ph.D.	Reader	Solid State Physics	26 years	Nil
Dr.A.V.Ravi Kumar	M.Sc.,M.Phil Ph.D.	Sr.Lecturer	Physics	25years	Nil
Dr.G.Murali	M.Sc.	Sr.Lecturer	Glass science	25years	Nil

Krishna	,M.Phil, Ph.D.				
Dr.G.Sahaya Baskaran	M.Sc. ,B.Ed., SLET, PGPD, M.Phil MCA,Ph. D.	Sr.Lecturer	Glass science Electronics	25years	3
Sri.P.Srinivasa Sastry	M.Sc., M.Phil	Sr.Lecturer	Microprocesso rs	24 years	Nil
Dr.T.Sri kumar	M.Sc.,M. Phil Ph.D.	Sr.Lecturer	Glass science Microprocesso rs	24years	Nil
Sri.Deva sahayam	M.Sc.(Te ch)	Sr.Lecturer	Electronics	23 years	Nil
Dr.M.C.Rao,	M.Sc.(Te ch) M.Phil, Ph.D.,PD MM	Sr.Lecturer	Thin films/Material science	21 years	2
Dr.Ch.Srinivas a Rao	M.Sc., Ph.D	Lecturer	Solid state physics	21 years	Nil
Dr.D.Venkata Satish	M.Sc., M.Phil Ph.D.	Lecturer	Nano science	16 years	Nil
Sri PVS Sairam	M.Sc.,M. Phil. PG DCS	Lecturer	Applied Physics	25 years	Nil
Sri.N.Ramakris hna chand	M.Sc.,M. Phil.	Lecturer		15 years	Nil
Sri.B.K.Sudha kar	M.Sc.,M. Phil.	Lecturer	Electronics	15 years	Nil
Sri.B.Johnson	M.Sc.,M. Phil.	Lecturer	Solid state Physics	10 years	Nil
Fr.Chinnappa Reddy	M.Sc	Lecturer	Physics	1 Year	Nil
Ms.K.Roja Suhasnni	M.Sc.,(B. Ed)	Lecturer	Solid state Physics	01 year	Nil
Renewable Energy					
Ms.M.Purna DurgaParimala	M.Sc	Lecturer	Physics	01 year	Nil

Mr.Md.Shoab Ismail	M.Sc.,(Elect.) M.Sc.,(Nano)	Lecturer	Physics	01 year	Nil
PG					
K.Seshulatha	M.Sc	Lecturer	Condensed Matter Physics	7	Nil
Dr.B.Sumalatha	M.Sc, M.Ed, Ph.D	Lecturer	Condensed Matter Physics	3	Nil
Y.V.N.Damodar Rao	M.Sc,M. Phil	Lecturer	Condensed Matter Physics	3	Nil
Gunjan Mahajan	M.Sc, M.Phil,B. Ed	Lecturer	Nanotechnology	7	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information:

No temporary faculty exist in the dept but 08 un aided staff members are present (2 in UG,4 in PG, 2 in Intermediate)

9. Programme-wise Student Teacher Ratio

UG: First Year B.Sc.: 16/1, Second Year B.Sc.: 15/1, Third Year B.Sc.: 15/1 PG: 10:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

UG:

- Support staff (technical): Nil
- Administrative staff : 1 filled
- Lab Assistants : 3+3 filled

PG

- Academic support staff : 04
- Administrative staff : 00
- Technical Assistants : 01

11. Number of faculty with ongoing projects from a) national b) international funding Agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. :

UGC Major Research Project:

Dr.M.C.Rao, Dept. of Physics, has completed his UGC-funded Major Research Project (2012-14) entitled Growth and Characterization of LiCoO₂

and LiMn_2O_4 Thin Film Cathodes for Novel Microbattery Application. For this he received UGC grant of Rs.12.67 lakhs.

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received during the last five years

- Dr.Durga P.Ojha, PG Dept. of Physics, has been sanctioned by the University Grants Commission a Major Research Project titled Computational Studies on Molecular Interactions in Liquid Crystals with a project grant of Rs.5,00,000/- The duration of the project is three years i.e. from 2011-2014.
- Dr.M.C.Rao, Dept. of Physics, completed an UGC-funded Minor Research Project titled “Synthesis and Characterization of Lithium Cobalt Oxide Thin Films for Microbattery Application” in July 2010. Grant Sanctioned: 1.5 lakh.
- Dr.M.C.Rao, Dept. of Physics, is working on an UGC-funded Project titled “Synthesis and Characterization of Nickel doped Lithium Cobalt Oxide Thin Films” and is being assisted by his Research Scholar Sk.Muntaz Begum. The project grant is Rs.2 lakh per annum for a period of 5 years.
- Dr.M.C.Rao, Dept. of Physics, is continuing his work on the UGC-funded Major Research Project entitled “Growth and Characterization of LiCoO_2 and LiMn_2O_4 Thin Film Cathodes for Novel Micro battery Application” and the Project’s tenure concludes by June 2014.

13. Research facility / centre with

- State recognition ----- Received Research centre recognition from KRU. –Proceedings orders issued by VC dated 31.12.2014
- national recognition -----Nil
- international recognition ----- Nil

14. Publications:

Number of papers published in peer reviewed journals (national/international): 256

(2011 to 2015)

s.no	Name	Publications
UG		
1	Dr.GVR	00
2	Dr.GSR	24
3	Dr.CHS	45
4	Dr.VAB	00
5	Dr.AVRK	03
6	Dr.GMK	05
7	Dr.GSB	31
8	Sri.PSS	05
9	Dr.TSK	18
10	Sri.DS	00
11	Dr.MCR	54

12	Dr.DVSS	10
13	Dr.CS	23
14	Sri.PVSS	12
15	Sri.NRK	00
16	Sri.B.K.S	00
17	Sri.B.J	02
18	Miss.R.S	00
19	Fr.Chinnaapa Reddy	00
Renewable Energy Dept		
1	Ms.M.Purna DurgaParimala	00
2	Mr.Md.Shoab Ismail	00
PG		
1	Sri.K.Seshulatha	01
2	Dr.B.Sumalatha	07
3	Sri.Y.V.N Damodar Rao	00
4	Sri.G.Mahajan	00
	OTHERS	18
		256

- Monographs : Nil
- Editing Books
- Books with ISBN numbers with details of publishers

Dr.M.C.Rao's (Department of Physics) book entitled "Pressure Dependent Growth of Lithium Cobaltate Thin Films" was published by Lap Lambert Academic Publishing GmbH & Co. KG Dudweiler Landstrasse, 99-66123 Saarbrücken, Germany, on 23rd May, 2012 with ISBN-13: 978-3659134524

Dr.M.C.Rao is an editorial board member to the book volumes-5nos:Research papers published in refer journals for the years 2009-10,2010-11,2011-12,2012-13,2013-14

- number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

PG. Books with ISBN numbers with details of publishers:02

- Magisterial Physics- PUC1 with ISBN No. 978-81-929130-1-8
- Magisterial Physics- PUC 2 with ISBN No. 978-81-929130-0-1 written by Gunjan Mahajan and published by Trexex Publication

- Citation Index – range / average :
- SNIP nil
- SJR nil
- Impact factor – range / average :0.5 to 2.7
- h-index nil

15. Details of patents and income generated -----Nil.

16. Areas of consultancy and income generated -----Board of Studies

All the aided members are acting as Board of studies members/practical examiners /subject

Experts/ for various colleges from the last five years.

17. Faculty recharging strategies

Towards recharging faculty attended refresher /orientation courses and a number of 463+19=531 Papers are presented by staff in various seminars /conferences/ during last five years.

S.No	Name	Workshops/Seminars
UG		
1	Dr.GVR	20
2	Dr.GSR	64
3	Dr.CHS	15
4	Dr.VAB	18
5	Dr.AVRK	05
6	Dr.GMK	26
7	Dr.GSB	46
8	Sri.PSS	28
9	Dr.TSK	65
10	Sri.DS	04
11	Dr.MCR	65
12	Dr.DVSS	76
13	Dr.CS	02
14	Sri.PVSS	70
15	Sri.NRK	03
16	Sri.B.K.S	03
17	Sri.B.J	03
18	Miss.R.S	00
19	Fr.Chinnaapa Reddy	00
Renewable Energy Dept		
1	Ms.M.Purna DurgaParimala	00
2	Mr.Md.Shoab Ismail	00
PG		

1	Sri.K.Seshulatha	09
2	Dr.B.Sumalatha	06
3	Sri.Y.V.N Damodar Rao	03
4	Sri.G.Mahajan	00
		531

Refresher/Orientation Courses and Training Programmes

1. Dr.G.Sahaya Baskaran, Dept. of Physics, completed a PG Diploma Course in special Education from the Bhoj University and Rehabilitation Council of India, New Delhi, in December, 2009.
2. Dr.T.Srikumar attended a Refresher course in human rights from 21st September to 11th October 2010 at MANUU, Hyderabad
3. Sri.PVS Sai Ram attended an UGC sponsored Refresher Course in IT Applications held at UGC-ASC, MANUU, Hyderabad from May 5th to 25th, **2010**
4. Dr.DV Satish attended a Refresher Course in I.T. Applications held from 5-5-2010 to 25-5-**2010** at UGC-Academic Staff College, Maulana Azad National Urdu University, Hyderabad and obtained grade 'A'.
5. Dr.DV Satish attended a Refresher course in "Introduction to Nano materials: Synthesis, Characterization and their Applications" from 13-09-2010 to 04-10-**2010** and obtained Grade 'A'.
6. Sri.PVS Sai Ram attended an UGC sponsored Refresher Course on "Introduction to Nanomaterials: Synthesis, Characterization and their Applications" at JNTU, Hyderabad from September 13th to October 10th, **2010**
7. Dr. T Sri Kumar and Sri V Devasahayam, Dept. of Physics, attended an UGC-sponsored Refresher Course in Social Exclusion & Inclusive Policy held at Moulana Azad National Urdu University, Hyderabad, from 10.02.2011 to 02.03.**2011**.
8. Dr.T.Srikumar attended a Refresher course in Social Exclusion & Inclusive Policy from 10th February **2011** to 2nd March **2011** at MANUU, Hyderabad.
9. Dr.MCRao attended the 59th Indian Science Academies Refresher Course on "Experimental Physics" (2 Weeks) from 27-05-2014 to 11-06-**2014**, Govt. Arts College (A), Rajahmundry.
10. Dr.MCRao attended the 88th BRNS-IANCAS National Workshop on Radiochemistry and Applications of Radioisotopes (1 Week) from 24-11-2014 to 29-11-**2014**, at Govt. Arts College (A), Rajahmundry.
11. Dr.M.C.Rao, Dept. of Physics, acquired a one year Professional Diploma in Multimedia (PGMM) at CMTES Informatics Ltd., Vijayawada, during the current academic year.

18. Student Projects

- **Percentage of students who have done in-house projects including inter-departmental : 90**
- **Percentage of students doing projects in collaboration with industries / institutes :10**
- Dr.MC Rao -

IASc-INSA-NASI Summer Research Fellowship Programme
(For Degree Students)

1. M. Harika, R.No. 112246,
Duration: 8 Weeks (56 days) (19th May to 14th July, 2014)
Fellowship per month: Rs. 8,000/-
Topic & Subject: Cosmology and Theory of Relativity
Place: University of Hyderabad, Hyderabad
External Guide: Prof. M. Siva Kumar
Internal Guide: **Dr. M.C. Rao**

 2. V.A. Tobin, R.No. 112213,
Duration: 8 Weeks (56 days) (19th May to 14th July, 2014)
Fellowship per month: Rs. 8,000/-
Topic & Subject: Theoretical Quantum Mechanics
Place: Indian Institute of Space Science & Technology,
Thiruvananthapuram
External Guide: Dr. Sudheesh Chethil
Internal Guide: **Dr. M.C. Rao**
- Our I M.Sc students participated in a National Seminar on “**Advanced Materials in Science and Technology**” (NSAMST-14) organized by Sri Ramakrishna Degree & PG College, Nandyal, Kurnool Dist. on 12th September 2014 and presented papers on ‘**Nanorobots**’ and “**Depletion of Ozone Layer**”. The paper on “**Nanorobots**” has been selected for First Prize.
 - Our I M.Sc. and II M.Sc. students participated in a two day National Seminar on “**Advances, Applications and Challenges in Space Research**”(NSAACSR) and presented three poster presentations namely “**A Survey on PSLV C16**”, “**A Birds Eye View on Blue Jets**” and “**Mangalyan the Pride of India**” .
 - Students of I M.Sc. and II M.Sc. have participated and presented papers in a two-day National Seminar on “**Development of Advanced Materials in Physics and Electronics and their Applications**” organised by K.B.N.College of Arts & Sciences, Vijayawada, in collaboration with Krishna University on 15th & 16th October, 2014
 - Students of II M.Sc participated a National Seminar on **Multi Functional Materials synthesis and applications** organized by the Department of Physics, The Hindu College, Machilipatnam, on 23rd & 24th January, 2015.
 - Students of II M.Sc presented a paper on **Nanopore sponges for the environmental sustainability** in a National Seminar on **Global Trends in Earth’s Climate-From Recent Observations** conducted on 3rd & 4th February 2015 organised by Department of Physics at DH.S.D.St.Theresa’s (A) college for Women Eluru.

- Students of II M.Sc participated in a UGC-sponsored two-day National Seminar on **Emerging Frontiers of Materials Science**, Maris Stella College, Vijayawada on February 12-13, 2015.
- Students of II M.Sc presented a paper on **Nano mineral as an efficient solar cell** in a National seminar on **Sustainable Environment Through Green Energy**, Andhra Loyola College, Vijayawada on February 27-28, 2015.

19. Awards / recognitions received at the national and international level by Faculty

- Sri Ch Srinivasa Rao, Dept. of Physics, was awarded Ph.D. degree in Physics for his thesis entitled “Dielectric and Spectroscopic Investigations on Multi component Lithium Aluminium Zirconium Silicate Glasses mixed with TiO₂ and WO₂ & Spectroscopic features of Pr³⁺ and Er³⁺ ions Li₂O-ZrO₂-SiO₂ Glass Matrices mixed with some Sesquionides” by Acharya Nagarjuna University on 15.09.2011.
- Fr. Principals Appreciation award IS GIVEN TO Dr.G.Venkateswara Rao for his contribution as JKC Coordinator during the year 2010-11.
- Sri T.Srikumar, Dept. of Physics, was awarded Ph.D. degree in Physics for his thesis entitled”Microstructural, Dielectric and spectroscopic properties of Li₂O-Nb₂O₅-ZrO₂-SiO₂ Glass system crystallized with CuO and V₂O₅ & Emission features of Nd³⁺ and Ho³⁺ ions in Li₂O-Nb₂O₅/Ta₂O₅/La₂O₃-ZrO₂-SiO₂ Glass systems” by Acharya Nagarjuna University on 15.09.2011.
- Dr .Srikumar received
 1. Best science communicator award for the year 2008 from Andhra Pradesh state council of science and technology, regional science center
 2. visista sevs purskar from district collector Krishna august 2012 for serving A.P. Study circle for b.c,s.c and s.t students
 3. certificate of merit from district collector Krishna august 2013 for serving A.P. cost regional science center in conducting popular science activities in particular science express
 4. best teacher award from’’ lions club of vibhav’’ on September 5th 2011
 5. National Integration Award from health care international U.S.A &INDIA on Jan 26th 2015 at potti sriramulu telugu university ,Nandamuri TarakaRamarao auditorium ,public gardens ,Hyderabad from justice Chandraiah High court of A.P& Telangana
- UGC Major Research Project Dr.Durga P.Ojha, PG Dept. of Physics, Dr.M.C.Rao, Dept. of Physics are working on UGC-funded Major Research Projects.
- Dr.M.C.Rao, Dept. of Physics, has been nominated Fellow Member of International Science Congress Association (FISCA) vide its communication dated 20th May 2013.

- Dr.T.Sri Kumar, Dept. of Physics, has been awarded Certificate of Merit for rendering meritorious services while discharging the duties in the category of “Popular Science Activities” by the Government of A.P. And this Certificate of Merit was presented to him by Dr.Buddhaprakash M.Jyoti, IAS, Collector, Krishna District, at the Independence Day Celebrations held on 15th August 2013 at Machilipatnam.
- Dr.M.C.Rao, Dept. of Physics is presented with the State Level Best Lecturer Award and Certificate of Excellence in their respective subjects for the academic year 2012-2013 by the Commissionerate of Collegiate Education, Govt. of Andhra Pradesh, at the valedictory function of Yuva Tharangam 2013 held at Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, on 30th November 2013.
- *Dr.M.C.Rao, Dept. of Physics, was presented with Bharat Shiksha Ratan Award for excellence in Research/Scientific Work by the Global Society for Health & Educational Growth (GSHEG), New Delhi, on the occasion of 38th National Seminar on “Individual Achievements & National Development” held on 30th September 2013 at New Delhi.*
- Dr.M.C.Rao, Dept. of Physics, was presented with Bharatiya Vikas Ratan Award for excellence in Applied Research/Scientific Work (Best Scientist)/Applied Research Scientist by the All India Business Development Association (AIBDA), New Delhi, for the year 2013 on the occasion of 38th National Seminar on “Individual Achievements & National Development” held on 30th September 2013 at New Delhi.
- Dr.CH.Srinivasu, Dept. of Physics, has been nominated as Subject Expert for the assessment of proposed research work in Physics under the scheme of Minor/Major Research Projects in Maris Stella College (Autonomous) Vijayawada, on 26th December 2013.
- Dr.M.C.Rao, Dept. of Physics, has been awarded “Indian Achievers Award for Education Excellence” by the All India Business Development Association (AIBDA), New Delhi, at the National Conference on Individual Achievements for Economic & Social Development, held on 10th February 2014.
- Dr.M.C.Rao, Dept. of Physics, has been nominated Member of GSHEG (Global Society for Health and Educational Growth), India and Member of

AIBDA (All India Business Development Association) vide its communication dated 20th October 2013.

- **Dr.M.C.Rao, Dept. of Physics, has been appointed as a Reviewer of the International Journal of Physica-B: Condensed Matter (Elsevier) (ISSN: 0921-4526).**
- Dr.G.Sarinivasa Rao and Mr.PVS Sairam, Dept. of Physics, have been appointed Consultants for Choice Based Credit System to be introduced in AG&SG Siddhartha Degree College, Vuyyuru, vide its Principal's communicated dated 24th February 2014.
- **Dr.MCRao Major Research Project: July1st, 2011 to June 30th, 2014**

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

47 Seminars/ Conferences/Workshops are organized by the department during the period of review.

****21. Student profile course-wise:**

UG

Name of the course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2010-011	648	240	56	95%	98%
2011-12	679	235	61	95%	97%
2012-13	730	240	57	96%	96%
2013-14	690	225	71		
2014-15	715	215	81		

PG

Name of the course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2009-10	18	09	09	89	89
2010-11	17	08	09	100	89
2011-12	14	04	10	100	100
2013-14	21	14	07	100	100
2014-15	18	07	11	--	--

22. Diversity of students

UG

Name of the course (refer questione no.2)	% of students from the college	% of students from the state	% of students from other states	% of students from other countries
Maths, Statistics, Physics,		95%	5%	
Maths, Physics, Chemistry,		97%	3%	
Maths, Physics, Chemistry,		97%	3%	
Maths, Physics, Computers		96%	4%	

PG

Name of the Course (refer question no. 2)	% of students from the college	% of students from the State	% of students from other States	% of students from other countries
2010-11	6	94	--	--
2011-12	21	65	14	--
2012-13	25	75	--	--
2013-14	13	87	--	--
2014-15	27	73	--	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

CIVIL SERVICES-IRS -NIL
 GATE -NIL
 SLET -NIL
 NET -NIL

24. Student progression

UG

Student progression	Percentage against enrolled
UG to PG	40%
PG to M.Phil.	10%
PG to Ph.D.	2%
Ph.D. to Post-Doctoral	0%
Employed	
Campus selection	20%
Other than campus recruitment	25%
Entrepreneurs	5%

25. Diversity of staff

UG

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	80%
from other universities from other States	20%

PG

Percentage of faculty who are graduates	
of the same parent university	NIL
from other universities within the State	75%
from other universities from other States	25%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Awarded Ph.D: 4 members were awarded Ph.D and 07 members got M.Phil.

27. Present details about infrastructural facilities

UG

- a) Library: **60 books in dept library during last five years** + number of books in Central library

- b) Internet facilities for staff and students: **internet connection on -6-terminals in the dept for staff as well as students.**
- c) Total number of class rooms: **33 + classrooms used in common**
- d) Class rooms with ICT facility: **One lab is equipped with ICT facility**
- e) Students" laboratories: We have separate Labs for I, II, III, IV (**4 labs for Practicals of I,II and III Years covering roughly 10000sq. ft. area.**)
- f) Research laboratories: One (BSR lab) We have research lab having furnaces, optical absorption spectrophotometer,ultrasonic interferometers,density,viscosity ,dielectric maeasurement equipment.

PG

- a.) Library :25 books in the deppt.during last five years+ number of books in Central library
- g) Internet facilities for staff and students is Available
- h) Total number of class rooms 02
- i) Class rooms with ICT facility 01
- j) Students' laboratories 02
- k) Research laboratories 01

28. Number of students of the department getting financial assistance from College.

Students are receiving merit,govt scholarships as financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. Questionnaire, Feedback, Consultation with IQAC and external members of BOS.

30. Does the department obtain feedback from?

1. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes

One month prior to pre-Board of Studies, the H.o.D. appoints different committees (paper wise) to study the necessary changes to be made in the curriculam to be useful for career development. The suggestions from the committee are discussed in the pre-BoS meeting and will be placed before the Board of Studies for further approval. After useful deliberations with experts from university and industry, the changes are incorporated into the curriculam. Accordingly, new courses/subjects designed. viz: Nanotechnology,

Biophysics, Microprocessors, EDC, Instrumentation, QM, Renewable energy management.

2. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes

Feed back from students on Staff is taken at two levels viz Department and College level. This feed back is used for suggesting to staff to improve teaching-learning, evaluation procedures for the betterment of the students and for effective functioning of the Department. Also, at the Department level, student feedback on curriculum are periodically monitored.

3. Alumni and employers on the programmes and what is the response of the department to the same?

Yes

Based on the feedback from Alumni and employers, to improve employability of the students, JKC conducts regular class room work on Analytical Skills, Soft Skills, Personality Development and Job Skills useful for employment in IT, BPO, KPO and the Chemical industries and service sector. Also Quantitative Aptitude, Analytical Ability and English for Communication, Computer Skills were introduced as general electives by the college.

For PG courses the parent university obtains feed back on curriculum.

31. List the distinguished alumni of the department (maximum 10):

- Prof.K.V.Rao, Nano Tech H.O.D JNTU Hyderabad
- Prof. SyamPrasad, NIT Warangal
- Mr.K.Ravindra Babu Scientist –F, DRDO Hyderabad
- Prof. Pavan kumar, California university USA (GEO PHYSICS)
- Ravi Chandra Reddy, Scientist in Fiberoptics
- D.Venkatappaya, Head H.R.Division TCS. Hyderabad
- Mr.Aswani kumar, scientist in Photonics
- Venkata subramanyam , ISRO
- Mallikarjuna Rao-IGCOR,Kalpakam

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Special lectures The department taps all resources to provide current and latest knowledge in all subjects. Prior meeting with concerned department authority (Principal,H.O.D) will decide whom to be invited as an expert for a particular event/guest lecture/seminar in the college for the students enrichment programme.

The following eminent personalities were invited

- Dr.BRK Reddy, former Head, Department of Physics of PSR &MCR.College of engineering vijayawada
- Rev.Fr.S.Gnanadevan SJ. (Physics FATHER)
- Dr.K.Sri Rama Krishna, Professor&head of ECE VR Sddhartha Engineering college Vijayawada
- Dr.G.Sambasiva Rao, Vice-principal VR Sddhartha Engineering college Vijayawada.
- Ms.Parbhathi Bose, Joint secretary, UGC, New Delhi
- Rtd.Professor.Dr.SPMallikarjunaRao of Ousmania university.
- Sri. David Dinakar, Physically challenged Lecturer in English, KBN College, Vijayawada.
- Prof. Dr. Durga Prasad Ojha, Principal of Andhra Loyola Institute of Engineering and technology, Vijayawada
- Prof Manuel de Almeida Valente from the Department of Engineering Physics, University of Aveiro, Portugal
- Prof N Veeraiah of ANU PG Centre, Nuzvid
- Sri Venkata Suresh “Indian Institute of Astrophysics” Bangalore
- Prof.Michal from JD University, Poland,
- Prof.Srihari Sastry & Prof.D.KrishnaRao Director of distance educationA.N.U,
Eminent scientist team from BARC, NFC, ECIL

Also, following are the eminent researchers are invited in various occasions of Seminars / Conferences

- Prof. G.P. Kothiyal, Outstanding Scientist, BARC, Mumbai
- Dr. S. Sudarsan, Scientific Officer, BARC, Mumbai
- Dr. V. Prahlad, Scientist F, Institute for Plasma Research, Ahmedabad
- Dr. D. Haranath, Sr. Scientist, NPL, New Delhi
- Prof. P. Yadagiri Reddy, OU, Hyderabad
- Prof. D. Krishna Rao, Chairman, BOS Physics, ANU
- Prof. N.Veeraiah,HOD, Dept. of Physics ANU
- Prof. P.Yadagiri Reddy, OU
- Prof. B.Appa Rao, OU
- Dr. V. Ravi Kumar, HOD Physics, KU
- Prof. R.Rama Krishna Reddy, SKU
- Prof. Dr. Durga Prasad Ojha, Principal of Andhra Loyola Institute of Engineering and technology, Vijayawada
- Prof Manuel de Almeida Valente from the Department of Engineering Physics, University of Aveiro, Portugal
- Sri Venkata Suresh “Indian Institute of Astrophysics” Bangalore
- Prof.Michal from JD University, Poland,

33. List the teaching methods adopted by the faculty for different programmes.

Apart from conventional chalk & Talk method of teaching, the following Teaching and learning methods are adopted.

- Probing questions method
- Demonstration method
- Explanation method
- Simulation method
- E-learning method
- E-resources method
- Interaction method
- Group discussion
- Quiz method method
- Seminars method
- Essay writing method
- Debate method
- Elecution method
- Role method
- Exhibit your model
- Guest lecture method
- Meet the scientist method
- News paper reading method
- Book reading method
- Theme chart method
- Preparation of CDs by students method
- Problem solving method
- Creativity method
- Microlevel teaching method

34. How does the department ensure that programme objectives are constantly met and learning Outcomes monitored?

To meet the twin objectives of programmes namely 1. Employment oportunities, 2.higher studies, the Department devised separate stratagies based on the nature and scope of the objective and strength, weaknesses & interest of students.

- Compulsory skill-based Elective were introduced in the 2nd, 3rd years to make the students employable. The courses/subjects introduced are: Renewable EnergyManagement, Analytical soft, communications and Business skills through J.K.C of the Department, Quantum Aptitude and Analytical ability.
Also, number of skill-based training programmes are organized in joint venture with MNC (as a part of Corporate Social Responsibility)

To meet the 2nd objective, wide range of electives are offered to 2nd, 3rd year B.Sc students so as to meet the requirement of students to face the admission test conducted by reputed higher education institutions like IIT,IISc,National and State Unuversities.

- Previous years Question papers are made available in Library
NGPE is conducted every year in collaboration of IAPT
Students are asked to appear for mock PG test conducted by various institutions

Awareness programme on open education resource is organized.
Book bank which is used for prepeing M.Sc Physics Entrance exam is made available.

Internship programmes at IISc, IASc, TIFR, and BARC are encouraged to apply (For summer fellowships)

Students' seminars and projects are encouraged with a tinge of academic research.

Instituted no. of scholarships of 1st, 2nd and 3rd Years.

Also, we have JKC Placement officers from Department of Physics.

35. Highlight the participation of students and faculty in extension activities.

1. Each student spends 60 hrs in their I year of graduation in Social Involvement Programme of the College. (ALANA- Programme, details at College Level. It is a mandatory programme.)
2. Blood donation, Eye donating camps, visits to Orphanages, home for aged, Missionaries of Charity at Krishna Lanka Vijayawada are conducted.
3. All the teachers are actively working as staff coordinators for the Students Association activities (ALPHA). Physics Department was adjudged as the best allround Department for three times during last five years.
4. The department used to contribute its potential in various student activities like
NCC, NSS, NGC, HEPSN, GAMES, cultural activities, ethnic day celebrations

Following staff members are involved

NCC	-Sri.B.Johnson
NGC	-Dr.T Srikumar
NSS	-Sri.P Srinivasa Sastry
ALPHA	-Dr.DV Satish
JKC and Placement	-Dr.G Venkateswara Rao and Dr.T.Srikumar
Renewable energy management	-Dr.AV Ravikumar
B.VOC	-Dr.G Srinivasa Rao
Assistant Controller of examinations	-Dr.G Murali Krishna, Sri.PVS Sairam
Time table	-Sri.PVS Sairam
CCLR Director	-Dr.CH Srinivasu
Dean	-Dr.G Srinivasa Rao
Social awareness through Jana Vignana Vedika-	Dr.T Srikumar
HEPSN	-Dr.G Sahaya Baskaran
Vijaya Mary–Blind School	-Dr.G Sahaya Baskaran
Madona Special institute for the deaf	-Dr.G Sahaya Baskaran

UGC Coordinator – Dr.G.Sahaya Baskaran (2014-15)
 Annual research publication compiling –Dr.MC Rao
 Vice principal –Dr.G Murali Krishna
 Wellfare society-Dr.G Venkateswara Rao, Dr.CH Srinivasu, Dr.G Sahaya
 Baskaran, Dr.G Murali Krishna

5. Helping poor students with Text books
6. Helping students suffering long illness
7. For new capital contribution-two days salary
8. Earthquake relief fund
9. Cyclone relief fund
10. Mentoring by staff on regular basis (15 students are allotted to each staff member)
11. Blood donation is a on going process, as and when needed the students are ready to contribute their blood.
12. Participation in Swatch Bhrath, Neeru &Chettuprogramme.
13. Three staff members established merit scholarships for students –
 Dr.CH.Srinivasu,
 Dr.G Sahaya Baskaran and Dr.MC Rao.
14. Arranged scholarships for visually challenged students through Help the Blind
 Foundation –Dr.G Sahaya Baskaran

36. Give details of “beyond syllabus scholarly activities” of the department.

1. KRU New CBSE Syllabus 1st year Question bank contribution
2. Research orientation Project work, Paper presentation, Summer school training-Internships
3. field industry visit
4. participating in Quiz, debate, Essay writing
5. Publishing books, Research articles
6. Resource persons
7. Attending refresher, orientation courses
8. Conducting bridge courses
9. Research Guides
10. JKC Training
11. Members in various organisations
12. Academic panel members in organizations like pollution controller Board-APCOST
13. CBCSE Consultant
14. BOS members
15. Reviewers
16. Book editors
17. Guest lectures
18. Invited Talks
19. Organizing workshops- National workshop on e-content development
20. Organizing National seminar
21. 33. BARC out reach programme- Nuclear energy awareness out reach program
22. With NFC, ECIL, BARC, BRMS, IANCS

23. Environmental awareness programme
24. Two days work shop on analytical teaching for degree college staff of AP and Telegana State
25. Workshop on wikipedi in which staff and students are actively participated
26. Year of chemistry was orgonised by both Physics and Chemistry departments for both AP &Telegana States chemistry staff through Vignana Prasar-DST Govt. of India.
27. One of our member Dr.MCR is a researcher among 5 toppers listed.
28. Research concept orientation interdisciplinasry project – every year the department of Physics conduct free induction project work &report writing workshop for all final year students for two days.

37. State whether the programme/ department is accredited/ graded by other agencies give details.

- KRU (Krishna University) accredited the department of Physics as Research center.
- AP State CCE has recognized Department of Physics to run JKC.
- College has been accredited by NAAC two times (2002, 2008).Both the times NAAC has made a special mention of the department of Physics.
- UGC has recognized the department of Physics as a Star department under CPE Programme and sanctioned Rs 37lacks of grant.
- M.Sc., Physics course is affiliated to Krishna University

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths

- Interdisciplinary nature of departmental research
- Staff members are resource persons, chair persons, consultants,BOS members
- The publication output of the department and presentation of quality research articles in Seminars/Conferences
- Nmuber of Ph.Ds
- Well established UG&PG Labs
- Well established Interdisciplinary research Lab with latest sophisticated equipment (AAS,Brookefield viscometer,Furnaces,Annealing furnace,UV-VIS Spectroscopy,Abbe’s Refractometer –digital,digital balancesDielectric bridge,polarimeters,Polarising microscopy,temperature bath)
- Computer literacy of staff
- LeaderShip capacity building strength of teaching staff
- Introduction of B.Voc course in Renewable energy management

Weaknesses

- Lack of collaboration
- Unable to organize no.of national seminars
- Unable to utilize workshops of IASc,Luminiscence society of India
- Unable to establish separate research building

- Fail to prepare Q.B for 1st,2nd and 3rd Years
- Heavy work load is an hindarance in academic extension of our staff members
- Unable to participate in more than one professional development programmes due to over involvement of our department members in college programmes

Challenges

- Financial resources to organize various academic programme
- The start of large number of New Engineering colleges in and around Krishna and Guntur dist.is a major obstacle in getting good quality students after Intermediate.
- The regulatory agency or authorities are not allowing to restructuring the aided courses beyond their guidelines.
- As the parent University do't have dept.of Physics lot of problems in allocation of Guides, getting research projects,FIP.
- Unable to get Autonomyfor PG Physics.

Opportunities

- As our region has become New capital of residual Andhra Pradesh,it is an oportunity to start new programmes and courses to train and impart skills oriented education for the youth of this region,in tune with the vision of State administration.
- The arrival of new industries in sectors like IT,Management,Chemical Pharmacy & other fields help our students to get employment.
- There is lot of scope for interdisciplinary courses like B.Sc Medical Physics,B.ScRadiology,B.Sc Environmental Physics,B.Sc AstroPhysics,B.Sc Natical Physics,B.Sc Renewable Energy,B.Sc Nano-Technology,B.Sc(Honours)Physics
- As our AP State is becoming Pharma Medical logistic hub for road,rail&Ports the above mentioned courses has lot of scope for employment.

39. Future plans of the department.

- To promote higher education in Physics we prepose to start B.Sc.) Physics with radiation Physics,Medical Physics,BioPhysics and Solar energy as special subjects
- Looking for collaboration with industry and R&D institutions like Reddy laboratories (Pharma industry) ISRO-NRSC
- To collobrate with public & private universities to enhance research and academic extension activities like seminars, workshops etc.
- Proposed to organize quality enhancement programme through teacher training programmes in Research, teaching, evaluation and academic extension programmes.
- Dept. aims at starting Center for excellence in Physics teaching withour members as resource persons.
- Try to run a in-house journal in the field of material science.
- To help the digaster management-we proposed to host the weather monitoring station along with HAM Radio services as our region is prone to disasters like cyclones.

- Planning to develop civil defence & disaster material team comprising of Physics staff and students .(Earth quake,cyclones etc)
- Applied for Lab facilities / Science promotion schemes under Star Colleges scheme through DBT

EVALUATIVE REPORT OF THE DEPARTMENT OF CHEMISTRY

9. Name of the Department & its year of establishment **Chemistry, 1953**

10. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

B Sc., (Maths, Physics, Chemistry),
B.Sc., (Botany, zoology, Chemistry),
B.Sc., (Microbiology, Biotechnology, Chemistry),
B.Sc., (Food Technology, Biotechnology, Chemistry)

11. Interdisciplinary courses and departments involved

General elective (Home-crafts, Textiles)

12. Annual/ semester/choice based credit system

Choice based credit system

13. Participation of the department in the courses offered by other departments:

Microbiology, Botany, Zoology, Physics, Biotechnology, Food Chemistry and Chemistry.

14. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Department	No of sanctioned posts	Staff working	Vacant	Surplus vacant
Chemistry	15	8	7	Nil

9. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Years of Experience	No of Ph.D students guided in last four years
Dr B Venkateswar Rao	M.Sc, M.Phil, Ph.D	Reader	Inorganic	25	3
Dr G V Ramana	M.Sc, Ph.D	Reader	Organic	25	3+1Ph.D awarded+1 M.Phil Awarded
Dr G S Sastry	M.Sc, M.Phil, Ph.D	Reader	Physical	25	3+ 1M.Phil awarded
Dr Y Hanumantha Rao	M.Sc, M.Phil, Ph.D	Lecturer	Organic	25	
Mr.. K Thomas SS Raju	M.Sc,	Lecturer	Physical	23	
Mrs P Anila	M.Sc, M.Phil,	Lecturer	General	20	
Dr K Rayapa Reddy	M.Sc, M.Phil, Ph.D	Lecturer	General	16	
Dr D B K Kumar	M.Sc, M.Phil, Ph.D	Lecturer	General	16	
Mrs K L Sirisha	M.Sc, M.Ed	Lecturer	Nuclear	13	
Mrs Ch Bhargavi	M.Sc, M.Phil,	Lecturer	Inorganic	11	
K Parameswar Rao	M.Sc,	Lecturer	Organic	07	
Ms. I.Gayatri	M.Sc	Lecturer	Organic	01	
Ms.S.Jyothi	M.Sc	Lecturer	Organic	01	

Mr.T.Jaison Jose	M.Sc (Ph.D)	Lecturer	Bioinorganic Chemistry	12	Nil
Dr.B.Kannamba	M.Sc, Ph.D	Lecturer	Environmental Chemistry	6	Nil
MrJ.Suryachandram	M.Sc ,NET, GATE	Lecturer	Organic Chemistry	Nil	Nil

15. Percentage of classes taken by temporary faculty – programme-wise information
30%
16. Programme-wise Student Teacher Ratio
50 : 1
17. Number of academic support staff (technical) and administrative staff: sanctioned and filled
7
18. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
- | | | |
|---------------------------------|------------------|------------|
| 01. Dr B Venkateswar Rao | 2.40 lacs | UGC |
| (Major) | | |
| 02. Dr G S Sastry | 0.45 lacs | UGC |
| (Minor) | | |
| 03. Dr D B K Kumar | 2.65 lacs | UGC |
| (Minor) | | |
| 04. Dr. B. Kannamba | 2.05lacs | UGC |
| (Minor) | | |
19. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

NIL
20. Research facility / centre with
- state recognition Krishna University , Machilipatnam
 - national recognition
 - international recognition
21. Publications:
- * number of papers published in peer reviewed journals (national / international)
 - * Monographs
 - * Chapter(s) in Books
 - * Editing Books
 - * Books with ISBN numbers with details of publishers
 - * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact factor – range / average

* h-index

Name	Number of papers published
01. Dr B Venkateswar Rao	7
02. Dr G V Ramana	20
03. Dr G S Sastry	4
04. Dr Y Hanumantha Rao	29
05. K Thomas SS Raju	5
06. Mrs P Anila	4
07. Dr K Rayapa Reddy	17
08. Dr D B K Kumar	15
09. Mrs K L Sirisha	Nil
10. Mrs Ch Bhargavi	6
11. K Parameswar Rao	8
12. I.Gayatri	Nil
13. S.Jyothi	Nil

21. Details of patents and income generated

Nil

22. Areas of consultancy and income generated

Nearly Rs.2000 per annum by selling home crafts, surf, candles soap oil etc.,

23. Faculty recharging strategies

Attended UGC sponsored Seminar

Name	Number of Seminars attended
01. Dr B Venkateswar Rao	15
02. Dr G V Ramana	16
03. Dr G S Sastry	5
04. Dr Y Hanumantha Rao	30
05. K Thomas SS Raju	10
06. Mrs P Anila	20
07. Dr K Rayapa Reddy	20
08. Dr D B K Kumar	15
09. Mrs K L Sirisha	4
10. Mrs Ch Bhargavi	3
11. K Parameswar Rao	5
12. I.Gayatri	1
13. S.Jyothi	Nil

24. Student projects

- percentage of students who have done in-house projects including inter-departmental (10% with collaboration of department of biotechnology)
- percentage of students doing projects in collaboration with industries / institutes 20%

25. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

01. .Dr Y Hanumantha Rao 01 Seva Ratna award, Potti Sriramulu University, Hyd

02. Indira priyadarshini Award, WHO

26. Seminars/ Conferences/Workshops organized and the source of funding (national

/ international) with details of outstanding participants, if any.

Name of Event	Source of Funding	No of participants
National Seminar	Andhra Loyola College	18
National Quiz	Andhra Loyola College	13 Teams (39 students)
Rapid Titrations	Andhra Loyola College	65
Rapid organic analysis	Andhra Loyola College	22
Cartoon Chemistry	Andhra Loyola College	70
Model presentation	Andhra Loyola College	20
JAM	Andhra Loyola College	20
Group discussion	Andhra Loyola College	28 (7 teams)

27. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc (MPC, BZC)	540	143	61		
B.Sc Biotechnology, Microbiology & Chemistry,	120	25	17		
B.Sc Food Tech. Microbiology & Chemistry	100	11	18		

24. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the state	% of students from other States	% of Students from other Countries
B.Sc (MPC, BZC)		96%	4%	
B.Sc Biotechnology, Microbiology & Chemistry,		95%	5%	
B.Sc Food Tech. Microbiology & Chemistry		80%	20%	

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

28. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment • Entrepreneurs 	25% (5/20)

31. Diversity of staff

Percentage of Faculty who are graduates	
Of the parents university	85%
From other universities within the state	7.5%
From other universities from other states	7.5%

32. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

04 Ph.D + 01 Submitted

1) Ch. Bhargavi

33. Present details about infrastructural facilities

- a) Library
- b) Internet facilities for staff and students
- c) Total number of class rooms
- d) Class rooms with ICT facility
- e) Students' laboratories
- f) Research laboratories

40. Number of students of the department getting financial assistance from College.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

42. Does the department obtain feedback from YES

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
- c. Alumni and employers on the programmes and what is the response of the department to the same?

43. List the distinguished alumni of the department (maximum 10)

- 1) Dr. N. Sridhar. USA
- 2) Dr.P. Venukrishnan USA
- 3) Porf. B. Basavaiah Central University Hyderabad
- 4) Dr. P. Jayaram Germany
- 5) Dr. P. Guru Brahmam . Germany
- 6) Dr. K.Venketeswara Rao .JNTU, Hyderabad.
- 7) Prof.B.Kesava Rao. ANU, Guntur.
- 8) Prof.T.Ramalingeswara Rao. BHU
- 9) Dr.G.Varadhanam. DRDL.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

- 1) Guest Lecture : July 23rd, 2014
- 2) Students national seminar: 11-12 th December, 2014
- 3) Bridge course in Chemistry for 1st B.Sc students from 22nd to 28th June 2015
- 4) Guest lecture on “NMR Spectroscopy in structural elucidation of organic compounds” for final B.Sc., students by Dr.S.Rajendra manager ‘PIRAMAL’ health care Hyderabad on 1-8-2015
- 5) Guest lecture on “Sterio chemistry of carbon compounds” for 2nd B.Sc students by Prof.P.V.V Satyanarayana former principal,Acharya Nagarjuna University on 1-8-2015
- 6) Carrier guidance for higher studies in chemistry for final year B.Sc students by Sri T.Sasi kanth Executive chemical engineer ONGC Bombay on 12-8-2015
- 7) Guest lecture in “chemistry in biology and enantio selectivity in biological functions “ for final year biology students by Sri Md .Jafrulla, Sr. Technical officer, CCMB, Hyderabad, on 3-9-2015

45. List the teaching methods adopted by the faculty for different programmes.

E – Teaching, PPTs, Chalk-Talk method and Model presentation, quizzing, smart class teaching role play teaching, cartoon teaching

46. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

By taking feedback from students, slip test marks, quiz

47. Highlight the participation of students and faculty in extension activities.

Lab on Wheels, Work shop to school teacher on Instrumentation, bringing awareness in Ganesh idols exhibition ,water analysis.

48. Give details of “beyond syllabus scholarly activities” of the department.

Counseling to fast learners about higher studies like IIT, IISc ,popular videos shown to students ,exposure to khan lessons

49. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Recognized by Krishna University as research centre

50. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

- 1) 60% Ph.D holders and 5% submitted and 15% about to submit Ph.D thesis.
- 2) Latest laboratory equipments like U.V.Visible spectro photometer (carry 50) Rudolph density meter, Schimadzu digital balance, inteter pherometer, Ion selective electrodes(Bench model) etc.,
- 3) Departmental library with versatile books of different fields in chemistry
- 4) Excellent laboratory facility with computer lab
- 5) Adequate software related to chemistry
- 6) Department is enriched with video lessons of all practicals and supportive materials for about 100 lessons

Weaknesses:

- 1) Conducting tutorial classes
- 2) Conducting practical classes beyond college timings
- 3) Utilizing minimum casual leaves by faculty members of chemistry

Opportunities :

- 1) Providing certificate course in home crafts and textile technology
- 2) MOU with madhuvana herbal remedies, Hetero drugs, Laila implex
- 3) Sending students to seminars and workshops by spending departmental money
- 4) Summer programme for B.Sc students at IISc Bangalore
- 5) Providing lab facility to external 10+2 students

Challenges:

- 1) Insufficient funds for research activity
 - 2) Placement
 - 3) Quality of students
 - 4) Facing different drummers
51. Future plans of the department.
- 1) Applying for major research projects
 - 2) Strengthening of the instrumentation lab
 - 3) Introducing industry related curriculum
 - 4) Students projects with the collaboration of Industry
 - 5) Introducing virtual lab to adapt green technology
 - 6) Applying for F.I.S.T
 - 7) Applying for Inspire
 - 8) Encouraging part time and full time research

EVALUATIVE REPORT OF THE DEPARTMENT OF MATHEMATICS

1. Name of the Department & its year of Establishment: Mathematics, 1954
2. Names of the programmes/courses offered (UG, PG, M.Phil. Ph.D. Integrated Masters, Integrated Ph.D., etc.)

UG

B.A: Mathematics, Statistics, Economics

B.Sc.

Mathematics, Statistics and Physics

Mathematics, Physics and Chemistry

Mathematics, Chemistry and Physics

Mathematics, Physics and Computer Science

Mathematics, Statistics and Computer Science

Mathematics, Computer Science and Statistics

Mathematics, Electronics and Computer Science

PG: M.Sc. Mathematics

3. Interdisciplinary courses and Departments involved
 Mathematics, Electronics Technology and Computer Science
 B.Com. Professional
4. Annual/Semester/Choice Based Credit System
 Semester wise Choice Based Credit System
5. Participation of the Department in the courses offered by other Departments
 Mathematics, Electronics Technology and Computer Science
 B.Com. Professional
 Department of Mathematics offers General Electives “Analytical Aptitude” and “Quantitative Techniques” for all I year and II year Students of all Courses.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professors		
Associate Professors		1
Assistant Professors	10 + 11(Aided+Unaided)	8+12 (Aided+ Unaided)

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil. etc.)

Name	Qualification	Designation	Specialization	No.of years of experience	No.of Ph.D students guided for last 4 years
Sri Ch. Seshaiyah	M.Sc, M.Phil	Lecturer	Near rings	27	
Sri M. Arokia Samy	M.Sc, M.Phil,B.Ed, PGDCA	Lecturer	Boolean Nearrings	25	
Dr N .V. Ramana Murty	M.Sc, M.Phil,Ph.D	Reader	Commu.Algebra	24	
Sri A.Shou Reddy	M.Sc, B.Ed	Lecturer	Algebra	24	
Sri P. Chenchu Babu	M.Sc	Lecturer	Algebra	23	
Fr.G.M.Victor Emmanuel S.J	M.Sc, M.Th.	Lecturer	Algebra	20	
Sri P .Venu Gopala Rao	M.Sc, M.Phil	Lecturer	Semi Near rings	21	
Sri M. Mariya Das	M.Sc, M.Phil	Lecturer	Algebra	19	
Sri Ch.Srinivasa Rao	M.Sc	Lecturer	Algebra	10	
Sri P.Krishna Prasad	M.Sc	Lecturer	Algebra	10	
Mrs K.Anuradha	M.Sc, PGDCA	Lecturer	Algebra	8	
Mrs B. N. Padmavathi	M.Sc, M.Phil	Lecturer	Commu.Algebra	8	
Mrs D. Tabitha	M.Sc, M.Phil,B.Ed	Lecturer	Algebra	7	
Mrs J. Hari Priya	M.Sc	Lecturer	Algebra	4	
Mrs P .Hepsi Buela	M.Sc, M.Ed,	Lecturer	Algebra	2	
Sri M.Narendra Babu	M.Sc	Lecturer	Algebra	6 Ms	
Sri B.Balaji	M.Sc	Lecturer	Algebra	6 Ms	
Mrs G.Mary Joshna	M.Sc	Lecturer	Algebra	6 Ms	
Sri.M.Ankamma Rao	M.Sc	Lecturer	Complex Analysis	1	
Mrs.V.Madhavi	M.Sc	Lecturer	Lattice Theory	1	
Sri.S.Rama Krishna	M.Sc	Lecturer	Rings & Modules	6 Ms	

8. Percentage of classes taken by temporary faculty – programme-wise information: Nil
9. Programme wise student teacher ratio: 60:1 (UG), 7:1 (PG)
10. Number of academic support staff (technical) and administrative staff sanctioned and filled: Nil
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil

13. Research facility / centre with

- state recognition :
- national recognition :
- international recognition :

Recognized Research centre of Krishna University

14. Publications:

- number of papers published in peer reviewed journals (national / international):

(i) M.Arokiasamy :	2
(ii) Dr.N.V.Ramana Murty :	4
(iii) A.Shou Reddy :	2
(iv) Fr.G.M.Victor Emmanuel:	3
(v) P.Venu Gopala Rao :	7
(vi) M.Maria Das :	1
(vii) B.N.Padmavathi :	1
Total :	20

Monographs :

- Chapter(s) in Books :
- Editing Books :
- Books with ISBN numbers with details of publishers:

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :

- Citation Index – range / average :
- SNIP:
- SJR:
- Impact factor – range / average :
- h-index :

15. Details of patents and income generated : Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies

The Faculty of the Department participate in National / International Seminars and Workshops

18. Student projects

(i) Percentage of students who have done in-house projects including inter-departmental

100%

(ii) Percentage of students doing projects in collaboration with industries/institutes

Nil

19. Awards / recognitions received at the national and international level by

- Faculty Nil
- Doctoral /post doctoral fellows
- Students

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- (i) Conducted a State level Students Seminar “MILAN – 2009” on 19.02.2010, funded by Andhra Loyola College.
- (ii) Organized Public Lectures on 31.08.2012 in collaboration with Dept. of Mathematics & Statistics, University of Hyderabad, Sponsored by National Board for Higher Mathematics, Dept. of Atomic Energy, Mumbai..
- (iii) Organized an UGC sponsored National Seminar on “Applications of Mathematics and Information Sciences in Design of Sophisticated Systems” on 20th and 21st August 2014.

21. Student profile course-wise:

Name of the Course	Applications recieved	Selected male	Selected female	Pass % male	Pass % female
B.Sc.	700	290	60	80	90
B.A	40	15	5	85	95

22. Diversity of Students

Name of the Course	% of students from college	% of students from state	% of students from other states	% of students from other countries
B.Sc.	20	70	10	
B.A	15	80	5	

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Nil

24. Student Progression

Student progression	Percentage against enrolled
UG to PG	50%
PG to M. Phil	10%
PG to Ph. D	2%
Ph.d to Post-Doctoral	
Employed	
Campus Selection	10%
Other than Camps Recruitment	30%
Entrepreneurs	

25. Diversity of Staff

Percentage of faculty who are graduates	
Of the same parent university	60%
From other universities within the state	7%
From other universities from other states	33%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

27. Present Details about infrastructural facilities

- a) Library: The Departmental Library is maintained by a staff member for lending books to students with a total collection of 300 books on Mathematics
- b) Internet Facility for staff is provided in the Department staff room
- c) Total number of class rooms:
- d) Class room with ICT facility: 2
- e) Students Laboratories:
- f) Research laboratories:

28. Number of students of the department getting financial assistance from College: 30

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:

Suggestions are taken from faculty and students.

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Feedback from faculty is obtained every year and implemented through BOS.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback from students on the teaching and learning as well as on curriculum is obtained Semester wise.

- c) Alumni and employers on the programmes and what is the response of the department to the same?

Meetings with parents and the alumni of the college are conducted and their suggestions are taken into consideration through BOS

31. List the distinguished alumni of the department (maximum 10)

- (1) Prof.B.Krishna Gandhi, Former Vice-Chancellor, JNT University, Anantapur.
- (2) Prof.C.Musili, Dept.of Mathematics (Rtd.), University of Hyderabad.
- (3) Prof.T.Amaranath, Dept.of Mathematics, University of Hyderabad.
- (4) Prof. P.Trimurthy, Dept. of Computer Science & Engg.(Rtd.),Acharya Nagarjuna University.
- (5) Prof.R.Satya Prasad, Dept. of Computer Science & Engg., Acharya Nagarjuna University.
- (6) Sri. D. Uma maheswara Rao, Minister for Irrigation & Water Resources, Govt. of A.P
- (7) Prof. J.V.S.Krishna Rao,Nagoya Institute Technology, Japan.
- (8) Prof. L.Venkateswara Rao, Dept.of Statistics, Andhra University
- (9) Dr. K.Syam Prasad, Dept. of Mathematics, Manipal University.
- (10) Dr.D.B.Ratnakar, Director, International Multidisciplinary Research Foundation.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

1. Guest Lecture by Prof.P.V.Arunachalam, Former Vice-Chancellor, Kuppam University, on 19-01-2012.
2. Guest Lecture by Dr K. Syam Prasad, Associate Professor, Manipal University, on 14-08-2012.
3. Guest Lecture by Dr.P.V.Sundaranand, Dept.of Mathematics, C.R.Rao Institute of Research, University of Hyderabad on 18-10-2014.
4. Mathematics exhibition with Mathematical Models and charts as a part of College Arts, Commerce & Science Exhibition in 2011 and 2014.

33. List the teaching methods adopted by the faculty for different programmes.
Chalk and talk method, PPT

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- (i) Students feedback report
- (ii) Continuous Internal Assessment
- (iii) Class room seminar sessions

- (iv) Faculty feedback report
- (v) Regular Department meetings of faculty for planning.

35. Highlight the participation of students and faculty in extension activities

Students of the first year will be doing extension activities under the scheme ALANA

36. Give details of “beyond syllabus scholarly activities” of the department.

- (i) Participation of our students in various inter collegiate competitions
- (ii) Faculty participation/paper presentations in state and national level seminars and workshops

37. State whether the programme/ department is accredited/ graded by other agencies.

Give details.

No

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

- (i) One Ph. D and Seven M.Phil holders among the faculty
- (ii) Department is Recognized Research centre of Krishna University
- (iii) Department Provides necessary training to UG students for competitive examinations by introducing Quantitative Aptitude, Analytical Aptitude, Advanced Aptitude papers.
- (iv) Department Conducts Remedial classes for slow learners
- (v) Departmental Library facility is available
- (vi) No separate laboratory for Mathematics
- (vii) Number of Research papers published is small.

39. Future plans of the department

- (i) Establishing a separate laboratory for Mathematics
- (ii) Increasing the number of Research publications
- (iii) Strengthening the Departmental Library by adding some more books.
- (iv) Encourage the students to take up projects outside the college.
- (v) Organizing more Guest Lectures by inviting experts

EVALUATIVE REPORT OF THE DEPARTMENT OF STATISTICS

3. Name of the Department & its year of establishment: **STATISTICS & 1954**
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
 1. B.Sc. (Statistics, Mathematics and Physics)
 2. B.Sc. (Statistics, Mathematics and Computer Science)
 3. B.A. (Statistics, Mathematics and Economics)
5. Interdisciplinary courses and departments involved Interdisciplinary courses with our Department are
 - B.Sc. (Electronics Technology)
 - B.Com (Computers), B.Com (Professional)
 - B.B.ADepartments involved in these courses are Electronics, Commerce and Management.
6. Annual/ semester/choice based credit system: Semester with CBCS system
7. Participation of the department in the courses offered by other departments

B.Sc. (Electronics technology)

Department of Statistics offers the paper Probability and Statistics for Engineers with an objective to understand the data and have the ability to translate the information with an outcome to understand the basic statistics, probability distributions and to perform testing of hypothesis.

B.Com (Computers), B.Com (Professional), B.B.A

Department of Statistics offers the paper Business Statistics and Business Mathematics with an objective that student able to adopt the suitable statistical techniques for their business data and interpret the results independently.

8. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors		
Associate Professors		
Asst. Professors	7	7

9. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
N.Srinivasa Rao	M.Sc.,M.Phil., Ph.D	Lecturer	Pattern Recognition	24	
K. Srinivas	M.Sc., (Ph.D)	Lecturer	Design of Experiments	6	
K.M.Nagarjuna	M.Sc.,M.Phil., (Ph.D)	Lecturer	Reliability and Life Testing Models	6	
N.L.Niranjan	M.Sc.,MBA	Lecturer	Informatics	6	
S.Sai Suresh	M.Sc.	Lecturer	Financial Statistics	2	
L.Vijay kumar	M.Sc.	Lecturer	Econometrics	2	
N.Bharath Kumar	M.Sc	Lecturer	Econometrics	3	

8. Percentage of classes taken by temporary faculty – programme-wise information
9. Programme-wise Student Teacher Ratio
- | | |
|---|------|
| B.Sc. (Statistics, Mathematics and Physics) | 99:1 |
| B.Sc.(Statistics, Mathematics and Computer Science) section I | 61:1 |
| B.Sc.(Statistics, Mathematics and Computer Science) section II & B.A. (Statistics, Mathematics and Economics) | 75:1 |
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
13. Research facility / centre with
- state recognition
 - national recognition
 - international recognition

14. Publications:
- (i) Number of papers published in peer reviewed journals (national/international):11
 - (ii) Chapter(s) in Books
- Dr Nunna Srinivasa Rao**
 Five Chapters of First Year Degree Statistics text book (English and Telugu medium) published by Telugu Academy, Govt. of Andhra Pradesh
- (iii) Books with ISBN numbers with details of publishers
- Dr Nunna Srinivasa Rao**
 Statistical and related approaches to Pattern Recognition published by an international publisher VDM Verlag Dr Muller with ISBN: 978-3639287752
15. Details of patents and income generated
16. Areas of consultancy and income generated
- Social Surveys
 - Big Data Analytics
 - Research Scholars from local colleges /universities
 - An income of Rs 9000/- (Nine thousand only) was generated through consultancy
17. Faculty recharging strategies
- In house discussion
 - Interaction with subject experts of local universities-ANU
 - National Program on Technology Enhanced Learning(NPTEL) lessons
 - Video lessons through internet
22. Student projects
- percentage of students who have done in-house projects including inter-departmental 100%. All the students of our department are doing in-house projects
 - percentage of students doing projects in collaboration with industries / institutes
23. Awards / recognitions received at the national and international level by
- Faculty
 - Doctoral / post doctoral fellows
 - Students
24. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

25. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

25. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries

29. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

30. Student progression

Student progression	Percentage against enrolled
UG to PG	Above 80%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
<ul style="list-style-type: none"> ● Employed Campus selection ● Other than campus recruitment 	
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	28%
From other universities with in the state	72%
From other universities from other states	

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

27. Present details about infrastructural facilities

- Library: : 60 Books
- Internet facilities for staff and students : WiFi facility available
- Total number of class rooms : 9
- Class rooms with ICT facility
- Students' laboratories: : 2
- Research laboratories

28. Number of students of the department getting financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Department is collecting the feedback on curriculum from universities of Andhra Pradesh and outside Andhra Pradesh and feasible suggestions are incorporating.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Collecting feedback from students on staff, curriculum and Teaching– Learning evaluation methods at the end of each semester. Considering their suggestions at Board of Studies meeting

c. Alumni and employers on the programmes and what is the response of the department to the same?

It is mandatory to invite one expert from industry to our BoS and possible suggestions are incorporating.

31. List the distinguished alumni of the department (maximum 10)

1. Dr. S. Niranjan, Head, Population Council of India, New Delhi.
2. Sri.T. Jayapal Reddy, Secretary, Telangana Pvt Pharmacy College association

3. Sri. Ch. Chandra Sekhar, M.Tech (ISI) Data Mining Consultant, USA
 4. Dr. M. Sambasiva Rao M.Sc, Ph.D (ISI), Consultant, Australia
 5. Sri. K. Anand, MBA, XLRI South Asia HR Head, WIPRO, Kuwait
 6. Mrs. P. Anitha, M.Sc (IIT-M), ISS
 7. Mr. G. Prasanna Kumar M.Sc (IIT-M) ISS
 8. Mr.S. Sundeep, M.Sc (IIT-M), ANZ Gridneys Bank, Analytics Advisor, Bengaluru
 9. Mr. K. Venkata Reddy M.Sc (IIT-M), SAS Consultant
 10. Mr. T. Ramana (IIT-K) Analytics at Oracle Corporation Hyderabad
32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.
 - Regularly organizing ‘National Statistics Day’ on June 29 every year with one day seminar on various applications of Statistics
 - Organizing guest lecturers by Alumni and also from university faculty.
 - Arranging frequent class room interaction with Alumni
 33. List the teaching methods adopted by the faculty for different programmes. In addition to the chalk and black board teaching, PPT lessons, simulated data sets.
 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
Meeting the program objectives through teaching dairy and lesson plan and monitoring learning outcome through assignment, unit wise test, seminars, quiz.
 35. Highlight the participation of students and faculty in extension activities. Faculty and Students of First Degree render sixty hours of our college extension service in ALERT/ALANA
 36. Give details of “beyond syllabus scholarly activities” of the department. Encouraging the students to prepare PPT lessons, Telugu medium material for Wikipedia, collecting and presenting related articles from News Papers /Magazines/Journals.
 37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department
Strengths : Higher education rate viz., our students got admission through entrance test into IIT’s, Central Universities and NIT’s and other premier institutions.
Weakness : Time constraint to conduct awareness programs in the neighborhood community extension programs viz., in and around villages of Vijayawada city
Opportunities : To conduct cross-faculty courses.
Challenges : Introducing market need based optional papers at UG level

39. Future plans of the department.

1. Introducing workshop oriented/ participatory learning in handling practical data.
2. Try to establish Memorandum of Understanding (MoU) with agencies like NSSO and other Survey organizations.

EVALUATIVE REPORT OF THE BOTANY DEPARTMENT

1. Name of the Department & its year of establishment: **Dept. of Botany (UG) 1954**
M.SC BOTANY 2003
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
UG - B. Sc Botany-
PG - M. Sc, Botany
3. Interdisciplinary courses and departments involved
 - **Botany, Zoology, Chemistry,**
 - **Botany, Microbiology, Chemistry,**
 - **Botany, Biotechnology, Chemistry.**

The Department conducts a Cross Faculty course for students. In addition, when framing the syllabus for all the Botany Courses, a member of another Science Department (Chemistry, Microbiology, and Biotechnology) is requested to give suggestions for making the content interdisciplinary.

4. Annual/ semester/choice based credit system :
Choice Based Credit System (UG)
University Pattern- Semester System (PG)
5. Participation of the department in the courses offered by other departments
General Elective – **Herbal Medicine**
-Green House Management
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professor	NIL	NIL
Associate Professors		
Asst. Professors/Lecturers	12	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No.of years of experience	No. of Ph.D. students guided for the last 4 years
1	Dr. T. Rose Mary	M.Sc., M.Phil., M.Ed., Ph.D.,	Associate professor	Pharmacology, Mycology & Taxonomy	20 yrs	
2	Dr. J. Chandra Sekhara Rao	M.Sc., Ph.D.	Reader	Experimental Biology	26 yrs	3
3	Dr. B. Siva Kumari	M.Sc., Ph.D.	Associate professor	Biosystematics & Plant Physiology, Medicinal Botany & Horticulture	23 yrs	1
4	Dr. G. Jaya Raj	M.Sc., M.Phil. Ph.D.	Associate professor	Molecular Biology	16 yrs	-
5	Mr. P. Srinivasa Rao	M.Sc., M.Phil.	Lecturer	Pathology, Ecology & Environment	14 yrs	-
6	Ms. S. Sailaja	M.Sc., M.Phil.	Lecturer	Cytogenetics & Experimental Embryology.	12 yrs	-
7	K. Sankar	M.Sc, ,B.Ed	Lecturer	Plant Physiology, Molecular Biology	08 Yrs	-
8	Dr.N.PRAVEEN KUMAR	M.Sc , Ph.D, B.Ed	Lecturer	Biochemistry ,Molecular Biology& Fungal Taxonomy	05 Yrs	
9	B. Vijaya Raj	M.Sc , M.Ed., M.Phil, (Ph.D)	Lecturer	Biochemistry & Biotechnology	10 Yrs	
10	Naga Saibabu	M.Sc , Ph.D,	Lecturer	Biotechnology	02 Yrs	

8. Percentage of classes taken by temporary faculty – programme-wise information
9. Programme-wise Student Teacher Ratio
F.Y. B. Sc 15:1
S.Y. B. Sc 15:1
T.Y. B. Sc 15:1
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled :
Sanctioned-3 - UG- Filled – 3
Sanctioned-1 - PG- Filled – 1
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
Government funded projects
 - Dr. Mrs. Siva Kumari - **Principal Investigator -U.G.C.** Major Research Project Grant of Rs. 11, 75,800/Rs for 3 years for a project entitled **Biology- Nanomaterials** (2013 till date)
 - Dr. Mrs. Siva Kumari **Principal Investigator- STMB** Sanctioned Major research project on 2nd Jan, 2014 a worth of 20 lakhs **for Nursery development.**
 - Dr. Mrs. Siva Kumari **Principal Investigator- NMPB** Sanctioned Minor research project 2014 a worth of 2.60 lakhs for **Maintenance of Herbal Garden.**
 - Dr. Mrs. Siva Kumari **Co- Investigator U.G.C.** Minor Research Project Grant of Rs.2.05 for two years for a project entitled **Qualitative and quantitative analysis of bioactive compound from rare medicinal plants.- 2014**
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received –**Nil**
13. Research facility / centre with
 - state recognition—
 - national recognition
 - international recognition
14. **Publications:**
 - * number of papers published in peer reviewed journals (national / international)
 - Books
 - Monographs

Number of papers published in peer reviewed journals (national / international):

S.No	Name of the Lecturer	No of papers published		Books	Monographs
		International	National		
1	Dr. T. Rose Mary	02	02	-	-
2	Dr. J Chandra Sekhara Rao	02	02	-	-
3	Dr. B. Siva Kumari	19	04	03	01
4	Dr. G. Jayaraj	-		-	-
5	Mr. P. Srinivasa Rao	-	02	-	-
6	Ms. S. Sailaja	-	-	-	-
7	Mr. K. Sankar	-	-	-	-
8	Dr. N. PRAVEEN KUMAR	12	09	Chapters - 07	-
9	B.Vijaya Raj	-	-	-	-
10	V. Naga Saibabu	6	-	-	

* Editing Books

Books with ISBN numbers with details of publishers:

Dr. B. Siva Kumari published a book

- Dr. B. Siva Kumari published a book on Bt and non Bt cotton hybrids – Nitrogen fertilizer effects in the **International Journal Lambert publishers, Germany with ISBN No 938-3-659-36730-4**
- Dr. B. Siva Kumari published a book on Flora of Andhra Loyola College
- Dr. B. Siva Kumari published proceedings on "Nanobiotechnology related to health and Environment with the ISBN - **97881- 924726 -1- 4 in 2014**

* number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Citation Index – range / average

* SNIP

* SJR

* Impact factor – range / average: -----2.5

* h-index -03

15. Details of patents and income generated **NIL**

16. Areas of consultancy and income generated –

- **Board of Studies**
- **Dr. J. Chandra Sekhara Rao Honorary committee member of APPCB- CFO- EAC- Zonal office, Vijayawada**

17. Faculty recharging strategies:

S. No	Name of the Lecturer	orientation	R.C	Work shops attended	Seminars			
					National		International	
					Papers presented	Attended	Papers presented	Attended
1	Dr. T. Rose Mary	1	2		02		02	
2	Dr. J. Chandra Sekhara Rao	1	2	03	02		02	4
3	Dr. B. Siva Kumari	1	2	15	07	14	35	04
4	Dr. G. Jayaraj	1	2					
5	P. Srinivasa Rao	---	---	08	---	12	-----	-----
6	Ms. S. Sailaja	---	---	04	---	---	---	---
7	Mr. K. Sankar	-	-	06		05	-	-
8	Dr. N. PRAVEEN KUMAR	-	-					
9	B. Vijaya Raj	-	-	05				
10	V. Nagasai Babu	-	-	04				

18. Student projects:

- Percentage of students who have done in-house projects including interdepartmental: **70%** undergraduate students have done short research projects on topics that are not part of their curriculum.
- Percentage of students doing projects in collaboration with industries / institutes: **30 %** of undergraduate of students have collaborations with industry.

19. Awards / recognitions received at the national and international level by
Faculty:

- **Dr. B. Siva Kumari** received State Best Lecturer Award in Botany from Commissionerate of Collegiate Education, Government of A.P- 2013 based on API score.
- **Dr. B. Siva Kumari** received state Best Teacher award in Botany from the Government of Andhra Pradesh in 2014 based on overall performance.
- **Dr. B. Siva Kumari** received Indira Priya Darshini National Award from Health Care International in 2014.

Students: 2010-2011

- **Body building event-M.Sai (DB-26)** won the gold medal in best physique 85 kg category state level best physique competition held at Visakhapatnam.
- **Combined annual training camp (CATC-V) 26-10-2010 to 6-11-2011** **Samuel (NB-16)** won the best cadet award annual training camp held at Visakhapatnam.

Student Achievements: 2011-2012

- **K. Vandu DB-14** - selected as the best NSS volunteer award of the state of Andhra Pradesh for the year.
- **K. Vandu** -28th Nov 2011- Triple Jump - Gold medal
- **K. Vandu** -DB-14- 100 meters running - Silver medal

Student Achievements 2012-2013:

- **S.Lakshmi Bharath** (DB-13) Won first prize in oral presentation at world wild life week organized by K.B.N College, Vijayawada dated on 4-10-2012.
- **G.Sushma** (DB-14) won second prize in power point presentation at world wild life week organized by K.B.N College, Vijayawada dated on 4-10-2012.
- **J.Jacob Samuel Raj** (DB-06) won consolation prize in power point presentation at world wild life week organized by K.B.N College, Vijayawada dated on 4-10-2012.
- **J.Jacob Samuel Raj** (DB-06), **N.Leela Prasad** (DB-04) won second prize in quiz competition at the biofest-2012 organized by S.V.Lakshmi Degree college Kakinada dated on 10-12-2012.
- **S.Lakshmi Bharath**(DB-13) won second prize in the singing competition held at Vasavaya Mahila Mandali, Vijayawada.
- **N.Leela Prasad** (DB-04) won state level second prize in essay writing competition “Yuvatha –Jalabhavitha” organized by Ground water department, Government of Andhra Pradesh.

Student Achievements : 2013-2014:

- **Mr.Krishna 2014-Body building competition:-**
B.Mani Praksah (NB-23) Won gold medal in 65 kg. Category of body building championship held at AG&SG College, Vuyyur dated on 3rd & 4th January 2014.

- Ms. Vandhu stood second in poster presentation on “Environment awareness day” organised by **PG Department of Botany** Andhra Loyola College on 22 July 2014.
- Doctoral / post doctoral fellows
- Students :

20. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

S. No	Participants	Date/Year	Title of the activity	Name of the programme	Funding agency
1.	Teachers	26,27-8-11	Two-day National Workshop	Innovative trends in Life Sciences	APPCB
2	Staff	30-9-12	Two-Day National Seminar	Nanobiotechnology in the protection of Health and Environment	UGC
3	Staff	15to17-10-12	Three Day National Workshop	Staff Retraining Programme	UGC
4	Staff	27,28-01-14	Two-National Conference	Modern Approaches to the Conservation of Medicinal Plants’	NMPB
5	Staff	24,25-6-14	Two-Day National Workshop	"KNOWLEDGE AND OPENNESS IN THE DIGITAL ERA	Wikipedia group
6	Staff	12,13-8-14	Two-Day National Workshop	"LEARNING MAMAGEMENT SYSTEMS- e-CONTENT DEVELOPMENT	Wikipedia group
7	Staff	27 th &28 th Feb, 2015	Two-National Seminar	Sustainable Environment through Green Energy	UGC
8	Staff	27 th Nov, 2015	One day Workshop	Hands on training on Mushroom cultivation	Managem ent
9	Staff	7 th & 8 th , Dec, 2015	Two Day Workshop	Instrumentation & hands on training in advanced biological techniques	

21. Student profile course-wise:
Student profile course-wise: M.SC BOTANY

Name of the Course (refer question no. 2)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
2008 – 2009	14	4	4	100%	100%
2009 – 2010	26	8	17	100%	96%
2010-2011	13	4	6	100%	100%
2011-2012	07	2	4	95%	100%
2014-2015	14	3	4	100%	100%
2015-2016	16	1	13	-	-

Student profile course-wise: B.Sc BOTANY

Name of the Course (Refer question No.2)	Applications received	Selected		Pass percentage	
BZC – botany, Zoology & Chemistry	128	Male	Female	Male	Female

22. Diversity of Students
Diversity of students (PG)

Name of the Course (refer question no. 2)	%of students from the College	% of students from the State	% of students from other States	% of students from other countries
2008 – 2009	20%	80%	-	-
2009 – 2010	50%	50%	-	-
2010--2011	30%	70%	-	-
2011-2012	20%	80%	-	-
2014-2015	30%	70%	-	-
2015-2016	10%	90%	-	-

Diversity of students (UG)

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other states	% of students from other Countries
B.Sc (Botany, Zoo & Che)	20%	80%	20%	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? – **20 students**

24. Student progression

Student progression	Percentage against enrolled
UG to PG	80%
PG to M.Phil.	10%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	15%
• Other than campus recruitment	20%
• Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	---
From other universities within the state	85%
From other universities from other states	15%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

2-Staff Members

27. Present details about infrastructural facilities

- **Library:** College Library is equipped with sufficient number of books, journals, etc.
- **Departmental Library:** 450 Books, Plant photo albums, News paper clippings
- **Herbarium Library:** holds 3500 volumes on Plant specimens
- **Botany Museum:** 1500 Spotters
- **Internet facilities for staff:** An Internet Line connection is available in the Department and in the Research Room for use of faculty.
- **2 Labs for students :** One Lab is equipped with ICT facility
- **2 Labs for students (PG):** One Lab is equipped with ICT facility
- **Students' Laboratories:** 2 UG + 2 PG
- **Research laboratory:** We have well equipped research facilities- Tissue culture lab, Microbiology lab, PCR, Co2 incubator, UV spectroscopy, Gel – Dol, Orbital shaker, Leaf area meter, Green house etc.

28. Number of students of the department getting financial assistance from College. –25%

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, New Programs were started after conducting BOS, field study in our neighboring states, having the same courses

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, feedback is used for framing new syllabi through the Board of Study, which includes external faculty and also faculty from other departments to bring in the interdisciplinary perspective.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Students are fully satisfied with staff members regarding teaching and evaluation methods. Staff members also monitoring process of students through mentoring and class tests.

c. alumni and employers on the programmes and what is the response of the department to the same?

An alumnus, industrialists, scientists and faculty were invited to the BOS and they make a valuable contribution.

31. List the distinguished alumni of the department (maximum 10) ----

- Dr. Kodela Siva Prasada Rao Assembly Speaker A.P
- Dr. Kameneni Srinivas Health minister A.P
- Dr. j. Kali Das, Principal Scientist Oil palm research station
- Sri. D. Jaya Prasad C.C of Forests, Kerala
- Dr. Mohan Prasad Dolphin diagnostics Vijayawada
- Sri. D. Sita Ram NRI Australia

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Special lectures are being conducted. Seminars for students are being conducted separately.

S.No	Date/Year	Title of the activity	Name of the programme	Resource person/ Judge/ Incharge
1	26-8-11	Awareness programme	Medicinal Plants Display	B. Siva Kumari
2	28-8-11	Field trip	Tenneru field trip	T. Rose Mary

3	31-8-11	Awareness programme on Vinayaka chavithi	Patri display, Clay idols campaign	APPCB- B. Siva Kumari
4	4-9-11	Awareness programme	Herbal garden visit	Aurvedic Doctors
5	15-9-11	Student seminar (ppts presentation)	On eve of World Ozone Day	K. Eawari, Dr. B. Siva Kumari
6	16-9-11	Guest Lecture	On eve of World Ozone Day	Dr. B. Siva Kumari, Dr. T. Sri Kumar
7	30-11-11	Drawing competition	On eve of World AIDS Day	K. Bala Chandra
8	30-6-12	Guest Lecture -PG & UG	RECENT TRENDS IN MOLECULAR BIOLOGY	Dr. D. V. N. Sudheer Pamidimarri', South Korea
9	19-7-12	Lab to School- ZPH School- Guest Lecture	Save Nature	Dr. Siva Kumari, P. Srinivasa Rao
10	19-7-12	Lab to School- ZPH School- Blood grouping	100 students benefited	K. Bala Chandra
11	19-7-12	Lab to School- ZPH School- plantation	100 saplings planted	Dr. B. Siva Kumari
12	20-7-12	Guest lecture on the eve of Mendel,s day	Contribution of Mendel towards Genetics'	Prof. Kalyan from PSM College
13	25-7-12	Field trip	Tennaru	T. Rose Mary
14	06-8-12	Scientific field trip	Science express- Biodiversity	Dr. B. Siva Kumari, III.B.Sc students
15	08-9-12	Free Dental Camp	150 students and 30 staff members tested	Dr.M.V.Kiran Kumar garu M.D dental surgeon and staff
16	16-8-12	College-College	KBN staff and students visited the gardens	Dr. B. Siva Kumari
17	27-8-12	Seminar	CONSERVATION OF NATURAL RESOURCES	Sri G. Vara Prasada Rao- APGWD
18	09-9-12	Lab to society	Ayurvedic Doctors visited the gardens	Ayurvedic Doctors
19	11-9-12	Awareness Programme- Slogan Writing	Save Nature	K. Bala Chandra

20	12-9-12	Awareness Programme- Essay Writing	1.GLOBAL WARMING 2. YOUR INSIGHT TO MAKE VIJAYAWADA A CLEAN CITY	Dr. T. Sri Kumar
21	14-9-12	Awareness Programme- Drawing competitions	1.SAVE NATURE' 2. 'POLLUTION' 3. 'GLOBAL WARMING	Ms. M. Glory
22	18-9-12	Awareness Programme-	Clay- idols distribution	APPCB III B. Sc students and B. Siva Kumari
23	16 th -9- 12	One Day Seminar	On eve of World Ozone Day- Environ-2012-	
24	5-10-12	Guest Lecture	Bio Diversity- Sustainable Development	Dr. Raghu Ram- ANU
25	14 th -12-12	One Day Regional Workshop	Horticultural techniques	Dr. B. Siva Kumari- ALC, Mr. Srinivas- Dr YSRH University
26	10-7-13	Guest Lecture	Career guidance for biological students	Dr. V. Naga Lakshmi, IMIS director, Dr. B. Siva Kumari
27	18-7-13	Drawing competitions	Earth for Tomorrow	K. Bal Chandra, B. Siva Kumari
28	20-7-13	Awareness programme	Slogan writing	T. Rose Mary, Dr. B. Siva Kumari
29	22-7-13	Guest Lecture	Regulation of Ecological Consequences for Sustainable Development	Dr. Bramhaji Rao, ANU
30	25-7-13	One Day Regional Workshop	Horticultural Techniques	Dr. B. Siva Kumari

31	3-12-13	Field trip	Dr. YSR Horticultural university	Dr. B. Siva Kumari, III BSc students
32	29-12-13	Seminar	Conservation of Natural Resources	G. Vara Prasad Rao, A.P. GWD
33	24-25-6-14	One Day National Workshop	KNOWLEDGE AND OPENNESS IN THE DIGITAL ERA"	Vishnu Vardan, Wikipedia group
34	15days	WIKIPEDIA TRAINING	Article writing/ Editing/uploading	Wiki group programmers & Dr. B. Siva Kumari
35	28 th 06,2014	Drawing Competitions/ Guest Lecture	'Conservation of Biodiversity,	Dr. B. Siva Kumari & P. Srinivasa Rao
36	11 th Aug, 2014	National workshop	FREE AND OPEN KNOWLEDGE IN THE DIGITAL ERA	Vishnu Vardan & Dr, Siva Kumari
37	28 th Aug,2014	One Day Seminar	"The role of Medicinal Plants in Reducing Pollution," as a part of the Environmental Awareness week	Dr. B. Siva Kumari
38	16 th Sep, 2014	One Day seminar	ENVIRON-2014, On the Eve of World Ozone Day	NGC & Ap Forest department
39	26 th to 31 st Dec, 2014	Six Days Workshop	WIKI WINTER CAMP	ALC & Wikipedia group
40	7 th to 9 th Aug, 2015	Three Day workshop	Botany e content lessons	Botany & Wikipedia
41	25 th Aug, 2015	One day seminar	Biosastra-	Botany dept
42	11 th to 13 th Sep, 2015	3 day workshop	e- Content development in botany	Botany and Wikipedia
43	22 nd July 2010	Environmental Awareness day	Drawing/ Guest lectures	P.G Botany

33. List the teaching methods adopted by the faculty for different programmes.

- Use of ICT technology in teaching and learning
- Dr. B. Siva Kumari developed a scientific website for 60 years old Herbarium- www.loyoladigitalherbarium.co.in developed. It is the first

scientific web site at college level in Andhra Pradesh. It is a highly sophisticated technology for conservation and identification of flora.

- Dr. B. Siva Kumari developed a Blog alcbotanyvij.blogspot.com developed. All the departmental activities informed to the students through their mails.
- Dr. B. Siva Kumari prepared the list of plants in the Herbal Garden of Andhra Loyola College registered under Herbal Gardens in India, Government Web site developed by ICAR, NMPB & DMAPR. It is accessed through Herbal Gardens in India - ALC Fr. V. A. Mathew Herbal Garden link
[:http://202.160.171.153:8080/nwhgi/nwhgi/showGarden.action?code=122](http://202.160.171.153:8080/nwhgi/nwhgi/showGarden.action?code=122)
- Lecture methods / chalk and talk method, Experimental method
- Smart class room, Simulation based teaching
- Field trips,
- Problem solving, Quiz and seminars
- Teaching through charts and models, demo expts
- Practicals using fresh and preserved materials and teaching aids
- Hands on Training
- Demo methods
- Guest lecture
- E- content development
- Simulation expts
- Industrial visits
- Interactive sessions with scientists
- Preparation of CDs

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

To meet the objectives of programmes namely 1.Employment opportunities, 2.higher studies.

- By conducting periodic written tests for theory and practicals, student's presentations, and reports of field excursions.
- Skill based and Subjective electives
- Compulsory student projects
- **Student Content Generators and Editors of Wikipedia**

Students promoted to be the content generators and content editors for Wikipedia - a collaboratively edited, multilingual, free Internet encyclopedia that the non-profit Wikimedia Foundation supports.

- **Objectives of the Practice**

To provide a platform for advanced learners to showcase themselves, to hone up the skills of writing articles and editing the articles, to improvise the language skills, to give a sense of pride of achievement to the participants, to Build Knowledge Bases and Platforms via Mass Collaboration on the Internet and to develop e-Content in Indian languages. The students from trained to edit Wikipedia, and work closely with the bigger Wikipedia community to qualitatively and quantitatively improve Wikipedia.

- Semester end theory papers for all classes are moderated by external examiner.
- **ICT method of teaching-**
- Department of Botany developed a **Digital Herbarium** to increase the longevity of specimens, images of the specimens can be sent electronically. These images may be a sufficient substitute for the specimens themselves, or alternatively, to increase public awareness of herbaria, to improve availability of specimens to a wider students, scholars and to other research institutes.

35. Highlight the participation of students and faculty in extension activities.

Students:

- Most of the students are actively involved in the Extension activities by registered their names in the , NSS& NGC
- All the first year students participated in the ALANA/ALERT
- Students are actively involved in the Games and they won national and regional prizes
- Plantation programme
- Lab to School and vice versa programmes
- Maintenance of Gardens
- **Commemoration of Days of Importance:** The Department encourages students to organize programmes in order to observe important days declared by the UN and other agencies many of which are also included in the college calendar. Observation of these days is helpful to internalize important concerns of the global society and expose students to the issues of the vulnerable. Some such days observed in the college are, World AIDS Day, World Environment Day, International Women’s Day, Mendel’s Day and World Nature Conservation etc.

Faculty:

S.No	Name of the Lecturer	Activity				Appointments
		BOS member	Organized			
			Works hops	Seminars	G.L	
1	Dr. T. Rose Mary	01				
2	Dr. J. Chandra Sekhara Rao	03				1.Honorary member in APPCB 2. Advisory member- S.V degree college
3	Dr. B. Siva Kumari	05	26	22 Chaired-5	10	22 Appointments

4	Dr. G. Jayaraj	Nil			
5	P. Srinivasa Rao	Nil	Nil	Nil	
6	Ms. S. Sailaja				
7	Mr. K. Sankar				
8	Dr. N. PRAVEEN KUMAR				
9	B.Vijaya Raj				
10	V.Nagasai Babu				

36. Give details of “beyond syllabus scholarly activities” of the department.

Faculty members are actively involved in the College extension activities:

- Acting as a Board of Study Members
- Participating in other College competitions as a Judges.
- Department of Botany is collaborating with Wikipedia foundation for the development of Telugu Wikipedia. 5 students are trained in Botany.
- Jury members in different organizations
- Editorial Board members
- Invited talks/ Guest Lectures
- Convenors for various seminars/ workshops
- E- Content development in regional languages
- Plantation work
- Health Awareness programmes
- Environmental Awareness programmes
- Interdisciplinary staff and student projects
- Conducting Staff and student orientation programmes

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Well established Interdisciplinary Lab
- UGC has recognized the department of Botany as a Star department under CPE Programme and sanctioned Rs 27 lacks of grant.
- M.Sc., Botany course is affiliated to Krishna University
- Dept selected for DBT Star College financial Scheme

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths

- Faculty with expertise in different disciplines and from different Universities.
- Faculty with consistent record of research paper publication, conference presentations (national & international) and consultancy.
- Staff members are resource persons, chair persons, consultants ,BOS members

- **ALC Digital herbarium** is the most reputed non-governmental institution for Plant Taxonomy in Andhra Pradesh
- The collections for the ‘_Flora of Andhra Loyola College’ written by Dr. B. Siva Kumari are deposited in ALC Digital Herbarium and constitute a rich reference source for identification and critical study of flowering plants.
- Well established **Green house , Botanical garden, Herbal garden**
- Well established Labs
- Well established Interdisciplinary research

Weakness:

- Getting academically weak students at the first year level.
- Most of the students opt for subjects like Microbiology or Biotechnology. Very few students opt for Botany as their first choice.
- Less job opportunities in the market.
- Lack of communication skill is the major setback of the students growth

Opportunities:

- The growing awareness on environmental issues and agriculture needs improved capacities for the staff to meet the demands of the students.
- Well established labs
- Demand by environment protection agencies as botany is intrinsically related to environmental science.
- Opportunity to prepare our own syllabi and implement the same with greater freedom.
- To start new interdisciplinary programmes
- Students are allowed to use departmental library

39. **Future plans of the department.**

- Planning for introducing more job/skill oriented courses
- Applying for more certificate courses
- Collaboration with industries and institutions
- Self –Employability and innovative programmes to the students
- To strengthen our research and consultancy work.
- To publish quality research papers in peer reviewed journals.
- To teach pro-industry academic programmes and prepare students for the future.
- To conduct professional training for the students in various subjects

EVALUATIVE REPORT OF THE DEPARTMENT OF ZOOLOGY

1. Name of the Department & its year of establishment : Zoology. 1954
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
UG—B.Sc Zoology,Botany&Chemistry
B.Voc Paramedical& Hospital Administration
10. Interdisciplinary courses and departments involved
B.Voc Para Medical & Hospital Administration
11. Annual/ semester/choice based credit system
Semester System. Choice Based Credit System
12. Participation of the department in the courses offered by other departments
Botany &Chemistry.
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)
Sanctioned : 08 Filled : 08

	Sanctioned	Filled
Professor	-	-
Associate Professors	-	--
Asst. Professors/Lecturers	8	8

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No.of years of experience	No. of Ph.D. students guided for the last 4 years
Dr.Fr.P.Anthony, SJ	M.Sc., M.Phil Phd	Asst. Professor	Environmental science		
K Ravi Sankar	M.Sc., M.Phil. B.Ed.,	-do-	Fish & Fisheries	25	
GM Srirangam	M.Sc., M.Phil. B.L.I.Sc.	“”	Marine Biology	21	
Lily Mary	M.Sc.,	“”	Parasitology	2	
T Sandhya Sri	M.Sc.,	“”	Human Genetics	1	
Manjula	M.Sc.,	“”	Biochemistry	1	
Vijay raj	M.Sc,M.Ed(s)	-do-	Biochemistry	1	

	pecial education).M. Phil, special education),A VT,(Phd)				
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18. Percentage of classes taken by temporary faculty – programme-wise information

19. Programme-wise Student Teacher Ratio : 20 : 01

20. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Technical Staff : 02

Administrative Staff : 01

21. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

NIL

22. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

NIL

23. Research facility / centre with

- state recognition NIL
- national recognition NIL
- international recognition NIL

24. Publications: **Dr.Fr.P.Anthony,SJ**

1. JOURNAL OF INTERNATIONAL ACADEMIC RESEARCH FOR MULTIDISCIPLINARY

Impact Factor 1.625, ISSN: 2320-5083, Volume 3, Issue 1, February 2015
page 323 to 329 www.jiarm.com

STUDIES ON SOME BIOCHEMICAL CHANGES IN THE TISSUES OF THE FRESH WATER FISH LABEO ROHITA (HAMILTON) EXPOSED TO CONFIDOR

2. INTERNATIONAL JOURNAL OF BIOASSAYS 2015, 4(02/,3682-3685)
THE EFFECT OF CONFIDOR ON HISTOLOGY OF THE GILL, LIVER AND KIDNEY OF FISH LABEO ROHITA (HAMILTON)

3. International Journal of Recent Scientific Research Research
Vol. 5, Issue, 11, pp.1983-1987, November, 2014

DETERMINATION OF ORGANOCHLORINE PESTICIDE RESIDUES
IN THE WATER OF PADDY FIELDS OF PRAKASAM DISTRICT,
ANDHRA PRADESH, INDIA

VIJAY RAJ. BOLLAPALLI

1. Identification of the small molecules targeting mdm2 and inhibiting p53 binding to be a promising approach to treat cancer by structural based virtual screening, docking and molecular dynamic simulation studies, J. Cancer Sci. Ther, 2014; 7(10) . ISSN: 1948-5956 JCST.
2. Development of sport science by using information technology, IJLESS, 2015; 2(3). ISSN: 2394-9724 IJLESS.
3. Analgesic effect of ethanol extracted leaves of Psidium guajava in animal models, RJPBCS, 2015; 6(2); Pg. No: 1796. ISSN: 0975-8585 RJPBCS.
4. Anti-inflammatory and Anti-per oxidative effect of Guava leaf (Psidium guajava) in carrageenan induced rat paw oedema, International Journal of Current Trends in Biotechnology and Pharmacy, ABAP. Journal, 2010; 6(2). ISSN: 0973-8946 Intl. JCTBAP.
5. A Paper published in the National Seminar Volume Organized by Andhra Christian College Guntur, on Tourism- Title- ECOTOURISM in page no 133
 - * number of papers published in peer reviewed journals (national / international)
 - * Monographs
 - * Chapter(s) in Books
 - * Editing Books
 - * Books with ISBN numbers with details of publishers
 - * number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact factor – range / average
 - * h-index
28. Details of patents and income generated NIL
29. Areas of consultancy and income generated
Board of Studies. Resource Persons for Seminars and workshops. Nil income.
Sri. K.Ravisankar is a honorary consultant to M/S Darwin Formulations pvt. Ltd in conducting training classes in Human Anatomy & Physiology to the trainee medical representatives.
Sri. G. Mathew Srirangam is a honorary consultant to M/S Darwin Formulations pvt. Ltd in conducting training classes in Marketing to the trainee medical representatives.

Sri. G. Mathew Srirangam is an academic consultant for Choice Based Credit System College Autonomy for higher education institutions.

Sri. B. Vijayraj - **HONORARY CONSULTANT**, ANNAPURNA SPEECH AND HEARING CLINIC, KOTHAPET, GUNTUR.

Activities: Counseling the parents with deaf children for speech therapy, assistive devices and for CI rehabilitation therapy, identification of the children with hearing impaired and selecting the suitable candidates for the CI surgery for better hearing and communication, and delivering the therapy for the children with CI Rehabilitation

CONSULTANT

DEVELOPMENT ACTION FOR WOMEN NETWORK (DAWN),
VENGALARAO NAGAR, GUNTUR.

Activities: Enhances the professional development inherent with dynamic, specialized programs, support structures and providing opportunities to address medium term concern and needs of women, where development processes are founded on social solidarity and economic, political, ecological, social, and personal justice; where poverty and violence are eradicated; where human rights in their fullest and most expansive sense are the foundation of laws, public policies, and private actions. To empower rural poor, illiterate and marginalized women on a variety of levels: social, economic, intellectual, psychological, moral and ethical, in order to bring lasting and sustainable change to local communities and the society as a whole. Helping children access education reduces factors at the root of poverty, such as illiteracy, and is an investment for the whole community. Given opportunities and proper guidance, young people can become highly committed to solving problems and can play a key role in community development

30. Faculty recharging strategies

Faculty members periodically attended refresher courses , training programmes and seminars to recharge their academic excellence Faculty members also involved in designing the curriculum for various colleges To site a few examples

1. Sri.G.Mathew srirangam attended the National Workshop on e-Content Development for Higher Education organized by Centre for Education beyond Curriculum, Christ University, Bangalore, during 29-31, March 2012 and produced an e-content “Application of Graph Theory in Network Field”.
2. Sri G.M. Srirangam, Dept. of Zoology, attended a workshop on “Digitization of identity and the Financially Excluded” organized by the Centre for the Study of Culture and Society, Bangalore at the Golkonda Hostel, Hyderabad, on 10th July 2012.
3. Sri GM Srirangam, Dept. of Zoology and Sri SAB Nehru, Dept. of Comp.Science acted as resource persons at the two-day workshop on “Striving towards Professional Excellence and e-Learning Development” organized by JMJ College for Women, Tenali, on 7-8th June 2012.
4. Sri GM Srirangam, Dept. of Zoology and Sri SAB Nehru, Dept. of Comp.Science acted as resource persons at the two-day workshop on “Striving towards Professional Excellence and e-Learning Development” organized by JMJ College for Women, Tenali, on 7-8th June 2012

5. Mr.G.M.Srirangam, Coordinator, IQAC, and Dr.A.V.Ravi Kumar, Dept. of Physics, attended a National Workshop on “Sensitization and actual Functioning of B.Voc and UGC Community Colleges” organized by Mount Carmel College, Bangalore, in association with the Indian Centre for Research and Development of Community Education (ICRDCE) on 26th & 27th August 2014
6. Retraining of Faculty of Lifesciences in Bioinformatics & Molecular Biology(31st oct-3rd nov-2012),
7. Staff Retraining Programme on Recent Trends in Lifesciences(15-17th oct-2012),
8. Staff Training Workshop on Serological Techniques(may 17th 2012)

Rev Fr.P.Anthony, SJ, Mr.K.Ravi Sankar and Ms.Vijaya Santhi, Dept. of Zoology, attended a five-day Training Programme on “Fish and Fishery Management” organized at State Institute of Fisheries Technology (Kakinada), Dept. of Fisheries, Govt. of Andhra Pradesh, from 13th to 17th November 2014

Mr.G.M.Srirangam, Dept. of Zoology, participated in the National Consultative Workshop on “Skills in Higher Education” organized by the Dept. of Higher Education, Ministry of Human Resource Development, Govt. of India in association with All India Council for Technical Education (AICTE) and University Grants Commission (UGC), on 6th and 7th December 2015 at Vigyan Bhavan, New Delhi,

26. Student projects

- percentage of students who have done in-house projects including inter-departmental
All the final year students are involved in in-house projects.
Areas—1. Fish & Fisheries
2. Economic Zoology- Apiculture , Sericulture and Aquariums
3. Human Genetics-
4. Aquaculture- Composite cultures
5. Genetics- population genetics
6. Ecology
- percentage of students doing projects in collaboration with industries / institutes
- 30% students under took projects in collaboration with the Dept. of Sericulture, Govt. of A.P, Pharmaceutical company(Darwin Formulations)

27. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows

1. Students –

- . Himaja(DZ-29) presented a ppt on the topic Hunger Challenge in the 6th National Youth Science Congress held at Acharya Nagarjuna University,Guntur From 21-23 january,2015 and won the prize.

28. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

The Departments of Zoology and Biotechnology conducted a 3-day UGC-sponsored Workshop cum Retraining Program for Faculty of Life Sciences on Bioinformatics & Molecular Biology during 31st October to 3rd November 2012. Dr.K. Kasturi and Ms. Mallika, Department of Bioinformatics, Acharya Nagarjuna University, were the Resource Persons.

The Departments of Biotechnology and Zoology organized a guest lecture on “Antibody Diversity” on 21st August 2012, delivered by Sri V Subba Rao, H.O.D. Zoology and Vice Principal of PBS College of Arts & Science, Vijayawada.

Department has conducted a Three day National Seminar on Recent Trends and Practices in Ornamental Fishery with special emphasis on Promotion of Women Entrepreneurship in Aquaculture from 22nd January to 24th January 2015. Chief guests N.Ramesh, Director (Mktg) MPEDA, Ministry of commerce and Dr.S.Kandan Phd. Deputy Director(Aquaculture(MPEDA, Ministry Of Commerce. 25 Lectures were delivered and more than 115 students participated.

29. Student profile course-wise:

Name of the Course (Refer question No.2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2012	52	35	17	98	98
2012-2013	40	22	28	94	95
2013-2014	90	41	49	98	99
2014-2015	80	51	26	98	98

26. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other states	% of students from other Countries
2011-2012	5.6	88.2	6.7	-
2012-2013	3.1	898.2	6.2	-
2013-2014	4.5	83.2	11.3	-
2010-2011	7.5	80.1	13.4	-

31. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

NIL

32. Student progression

Student progression	Percentage against enrolled
UG to PG	70%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	5%
• Other than campus recruitment	25%

Entrepreneurs

33. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	
From other universities within the state	80%
From other universities from other states	20%

34. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. -2

35. 1.Rev.Fr.P.Anthony SJ WAS AWARDED Ph.D. during the academic year 2015-2016 by Acharya Nagarjuna University,GUNTUR.
2. B.Vijay Raj has submitted his Ph.D work and yet to be called for Viva-Voce.

36. Present details about infrastructural facilities

- Library Departmental Library with 178 books
- Internet facilities for staff and students The Faculty Room is provided with Internet. Centralized internet facility is available for students.
- Total number of class rooms Centralized.
- Class rooms with ICT facility Centralized.
- Students' laboratories Two student laboratories with a carpet area of 1200 sft and 1500 sft and a museum with a carpet area of 870 sft are available.
- Research laboratories An Inter-Disciplinary Research Lab for the use of biological sciences faculty and students is available.

37. Number of students of the department getting financial assistance from College. 45%

38. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. While introducing the subject electives and skill based electives, a need

assessment exercise was undertaken and views from the out gone students pursuing PG courses, academicians and industry personnel were obtained in establishing the need of the course. Based on the need assessment, the Department has introduced a skill based elective Ornamental Fishery, Applied zoology (Biotechnology, Bioinformatics & Industrial Fish and Fisheries) from the academic year 2012-13.

39. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Informal feedback on the curriculum as well as teaching-learning evaluation is obtained during the periodical faculty meetings. Any changes to be brought about in the curriculum are discussed and/are proposed in the ensuing Board of Studies meeting. Innovative teaching strategies by individual faculty members are appreciated and others are encouraged to emulate the same. Constant feedback on the achievements of learning objectives and outcomes are discussed. The Department follows various types of evaluative methods with regard to the assignment given to the students. However, the Department follows the centralized evaluative patterns. Any changes in the evaluative system suggested by the members are taken up in the Board of Studies meeting and subsequently recommended the academic council.

40. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Periodical feedback is obtained from the students on staff curriculum and teaching-learning evaluation. The outcome is deliberated in the faculty meetings and the Department takes necessary remedial and adopts enrichment strategies.

41. Alumni and employers on the programmes and what is the response of the department to the same?

Periodical feedback is also obtained from alumni and prospective employees on the programmes and the same is used in strengthening and enriching the progress of study. For instance, such feedback helped the Department to enrich the present program of study by introducing a paper on applied Zoology which is of multi-disciplinary in nature, encompassing the frontier areas of Biotechnology and Bioinformatics and also including an employable component of study - Industrial Fish and Fisheries.

31. List the distinguished alumni of the department (maximum 10)

1. Sri K.Krupanandam, IAS (Rtd Civil Servant
2. Sri. Vadde. Sobhanadreswar Rao, Former Minister
3. Dr. N.Jaya Prakash Narayana, IAS, Founder President, Lok Satta.
4. Sri. P Reddappa Reddy, IPS, Former DIG & Present MLC.
5. Pro. G. Gnana Mani, Professor Dept of Zoology A.U.

6. Dr. Shivaji, Principal Scientist CCMB, a participant in Antarctica Expedition.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Student enrichment programmes are regularly conducted by the Department. During the last four years, special lectures, field trips and workshops have been organized with external experts as Resource Persons.

1. A Guest lecture on training / hands on experience of collection of Zooplankton By Dr.Subhashini,garu lecturer in Zoology, KBN College, Vijayawada.
2. Training programme at SIFT, Kakinada.
3. A Field visit to Rajiv Gandhi Centre for Aquaculture, Manikonda, Krishna dist.

33. List the teaching methods adopted by the faculty for different programmes.

Though the chalk and talk and lecture session are predominantly followed by the faculty, other modern teaching methodologies using models, charts, simulation videos and multimedia presentations are employed. The museum of the dept is fully utilized in practical sessions.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The program objectives are narrowed down to the individual papers and objectives are enlisted in the course outlines given to the students. the learning outcomes are predominantly monitored through the formal internal assessments and in semester end evaluation. Informally the same is being obtained during class room interactions and while conducting the assignments. The feedback obtained in this area is discussed and deliberated in the faculty meetings.

35. Highlight the participation of students and faculty in extension activities.

Students and faculty are fully involved in the centralized college extension activity ALERT. Apart from this, the Department organizes educational extension activity by way of conducting open houses of labs, science exhibitions and visits to the neighbourhood communities to explain and create awareness about nutrition, health and hygiene, communicable diseases, etc. Some of the faculty members work in close association with international voluntary bodies like Lions International.

36. Give details of “beyond syllabus scholarly activities” of the department.

Students of the Department are motivated and encouraged to go beyond the syllabus and participate in scholarly activities like paper presentation, higher grade of project works, intellectually challenging assignments, etc. they are also taken field trips and training programs.

Final year students Priyanka parameswari, Sainath and Phalgun raj attended

and participated a national level seminar at BHU, Varanasi(nov-2014), participated in National level Youth Science congress, at ANU, Guntur(JAN-2015) , attended and participated in state level seminar at P.R Govt college, Kakinada.

Participated in Science exhibition conducted at Andhra Loyola College, Vijayawada and GORA Science exhibition , GORA Centre, Vijayawada.

Training programme at SIFT, Kakinada.

A Field visit to Rajiv Gandhi Centre for Aquaculture, Manikonda, Krishna dist.

37. State whether the programme/ department is accredited/ graded by other agencies.

Give details.

NO

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

- Curriculum fully aligned with the objective of the college
- Introduced employable skill oriented papers in the curriculum
- Innovative teaching strategies adopted
- Full pass percentage
- Well established laboratories.

Weaknesses

- Not much research activity
- Publications
- Decreasing number of students opting the courses

Opportunities

- To increase research activities
- To increase publications

Challenges

- Decreasing of students' strength
- Making the course more attractive for the biology students

39. Future plans of the department.

To introduce more skill oriented electives in the areas of Clinical research, Clinical trials, Drug designing, Paramedical and allied health services.

To start M.Sc., Zoology course

DEPARTMENT OF BIOTECHNOLOGY

1. Name of the Department & its year of establishment **Department of Biotechnology- 2005**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) **B.Sc Biotechnology, Microbiology & Chemistry, M.Sc Biotechnology.**
3. Interdisciplinary courses and departments involved **Microbiology & Chemistry**
4. Annual/ semester/choice based credit system **Semester for M.Sc, CBCS for B.Sc**
5. Participation of the department in the courses offered by other departments
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Sanctioned	Filled		
Professors			
Associate Professors			
Asst. Professors/Lecturers	04		04

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of years of teaching experience	No. of PhD students guided for the last 4 years
1	V.Kavitha	M.Sc,MS, (PhD)	Asst. Professor	Biotechnology	6	Nil
2	S.Srilakshmi	M.Sc	Asst. Professor	Biotechnology	4	Nil
3	D.Aruna Padmavathi	M.Sc	Asst. Professor	Biotechnology	3	Nil
4	Dr. Anne Williams	M.Sc, M.Phil, PhD	Asst. Professor	Biotechnology	1	Nil

7. Percentage of classes taken by temporary faculty – programme-wise information **3.5 %**
8. Programme-wise Student Teacher Ratio **20:1**
9. Number of academic support staff (technical) and administrative staff: sanctioned and filled **Technical staff:2**
10. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
 - a) National – Awaiting approval **for UGC - MRP- Minor research project**
11. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
12. Research facility / centre with
 - state recognition
 - national recognition
 - international recognition
13. Publications: * number of papers published in peer reviewed journals (national /international) – **6; E-ISSN 2277-4106, P-ISSN 2347-5161; E-ISSN 2348-2208, P-ISSN 2348-2192; PMID-23035738; Online ISSN 2156-5899; ISSN 0975-1491; ISSN 2249-9709**
 - * Monographs
 - * Chapter(s) in Books
 - * Editing Books
 - * Books with ISBN numbers with details of publishers
 - * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact factor – range / average
 - * h-index
14. Details of patents and income generated
15. Areas of consultancy and income generated

Faculty recharging strategies **Faculty in the department attends recharging programmes - orientation programme, international conferences organised by other universities.**

16. Student projects

- percentage of students who have done in-house projects including inter-departmental **M.Sc-20%,B.Sc-80%**
- percentage of students doing projects in collaboration with industries / institutes **M.Sc-80%,B.Sc-20%**

17. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students- **05**
- **M. Hamsini (DBMC 20) got Appreciation Award of Rs.500/- for Paper presentation in BIOTRENDZ-15, a DST-sponsored National Level Technical Seminar on 27th August 2015 organized by the Department of Biotechnology, KL University, Guntur.**
- **K. Aravind (DBMC 12) won II prize in Quiz competition in 'CHEMBIOSIS', a seminar organized by the Department of Chemistry, Andhra Loyola College, in November 2015.**
- **K. Naga Pavan Kumar (NBMC - 22) won 2nd Prize in GORA science exhibition conducted on 2-4 December 2015.**
- **R. Santoshi (AMB 21) got 1st Prize in Power point presentation in CIENCIA-2K16, South India level Intercollegiate Science Event organized by P.B.Siddhartha College of Arts & Science on 22nd January 2016.**
- **G. Viharika (DBMC 23) got 3rd Prize in Power point presentation in CIENCIA-2K16, South India level Intercollegiate Science Event organized by P.B.Siddhartha College of Arts & Science on 22nd January 2016.**

18. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

- **A Two-day Workshop for lecturers on 'INNOVATIVE TRENDS IN LIFE SCIENCES' on 26th &27th August 2011**

- **A Three-day Workshop for lecturers on BIOINFORMATICS on 26th & 27th August 2011**
- **A college level SCIENCE EXHIBITION was held on 09th & 10th December 2011**
- **As part of MoU, on 29st August 2012, a students exchange programme was organized between the colleges of Andhra Loyola College and PB Siddhartha College of Arts & Sciences for the lifesciences students.**
- **One-day seminar on “Green Technology-A way to Environmental Resilience” organized by the departments of Biotechnology, PG Botany and National Green Corps on 4th February 2015.). Dr.Pankaj Gupta (Sr.Scientist,CRIDA, Hyderabad) and Prof. M.V.Subba Rao (Head of the Department of Environmental Sciences) were the Resource persons.**
- **A UGC sponsored National Seminar on “Sustainable Environment through Green Energy” organised by the National Green Crops and the departments of Renewable Energy & Biotechnology on 27th & 28th February 2015**
- **One day seminar on “Biosastra-2015” organized by Departments of Biotechnology (UG & PG), Botany (PG), Microbiology (UG) on 25th August, 2015.**

A Two-day National Workshop on "Instrumentation and Hands on Training in Advanced Biological Techniques" organized by the departments of Biotechnology, Microbiology and Botany in association with Dept. of Biotechnology, KL University on 7th & 8th December 2015.

19. Student profile course-wise:

Name of the Course (refer question no. 2)- M.Sc Biotechnology	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2009-2011	70	4	29	13	87
2010-2012	80	7	28	20	80
2011-2013	22	1	21	4.5	95.5
2012-2014	06	3	3	50	50
2013-2015	Nil	-	-	-	-
2014-2016	6	3	3	-	-
2015-2017	12	1	9	-	-

Name of the Course (refer question no. 2)- B.Sc Biotechnology	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2011-2014	130	17	18	100%	100%
2012-2015	175	15	17	100%	100%
2013-2016	150	17	17	---	---
2014-2017	120	20	15	---	---
2015-2018	190	15	22	---	---

20. Diversity of Students

Name of the Course (refer question no. 2)- M.Sc Biotechnology	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
2009-2010	6%	94%	---	---
2010-2011	23%	77%	---	---
2011-2012	---	100%	---	---
2012-2013	38%	49%	13%	--
2013-2014	--	--	--	--
2014-2015	--	--	--	--
2015-2016	20%	80%	--	--

Name of the Course (refer question no. 2)- B.Sc Biotechnology	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
2011-2014	2%	98%	---	---
2012-2015	5%	95%	---	---
2013-2016	10%	90%	---	---
2014-2017	38%	62%	---	--
2015-2018	4%	94%	2%	--

21. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? GATE-3 students

22. Student progression

Student progression	Percentage against enrolled
UG to PG	98.5%
PG to M.Phil.	--
PG to Ph.D.	15%

Employed

- Campus selection --
- Other than campus recruitment 75%

Entrepreneurs nil

23. Diversity of staff

Percentage of faculty who are graduates of the same parent university

from other universities within the State -

from other universities from other States 100%

24. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. **No current staff awarded PhD during this assessment year.**

25. Present details about infrastructural facilities

- a. Library – **Departmental library with 50 books**
- b. Internet facilities for staff and students- **Not available for staff and students**
- c. Total number of class rooms **02 for M.Sc, 03 for B.Sc**
- d. Class rooms with ICT facility-**Yes**
- e. Students’ laboratories **-02 for M.Sc, 02 for B.Sc**
- f. Research laboratories **-01**

26. Number of students of the department getting financial assistance from College. **06**

27. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

28. Does the department obtain feedback from

- g. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? **Yes, Conducting Annual Board of studies which involves curriculum revision and feedback from University Nominees & Industrial experts.**
- h. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? **Yes. According to the feedback obtained the faculty alters the way of teaching suiting the learning needs of the students.**
- i. alumni and employers on the programmes and what is the response of the department to the same?

29. List the distinguished alumni of the department (maximum 10) -

30. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **A guest lecture on “TRADITIONAL MEDICAL SYSTEMS IN INDIA” by Dr. V. Naga Lakshmi Joint Managing Director, IMIS Pharmaceuticals Pvt Ltd. Vijayawada on 8-07-2011 at Seminar Hall.**
- **On the eve of World AIDS day 2011, the Departments of Biotechnology & Microbiology has conducted an Essay writing competition on the topic “Effect of AIDS on the society” and poster presentation on the topic “Awareness on AIDS”. Students from various departments have participated.**
- **On 21st August 2012, the Departments of Biotechnology & Zoology organized a half day guest lecture on “Antibody Diversity”, by Sri V.Babu Rao , HOD of Zoology & Vice Principal of P.B.Siddhartha Arts and Science college, for all the students of life sciences.**
- **An Intercollege Quiz competition on December 1st 2012 (AIDS day) was conducted.**
- **An Intracollege Poster presentation competition was conducted on September 16th 2012 on account of World Ozone Day.**
- **A Guest lecture on “Conservation of Biodiversity” by Sri. K.Ashok Kumar DFC, DFO, Social Forestry, Krishna District, A.P. was organized along with NGC on 28th July 2014.**
- **A Guest lecture on “Role of Medicinal plants in Pollution Control” by Dr.D.Sirisha, Head, Dept. of Environmental Sciences, JNIAS, Hyderabad on 28th August 2014.**

- A Guest Lecture on Biochemical Techniques and Spectroscopy by Dr. M.David Raju, Associate Professor, Department of Chemistry, P.B.Siddhartha college of Arts and Science, Vijayawada on 27th and 20th September 2014.
 - Guest lecture on “Career Opportunities in Biotechnology” by Rev.Fr.Dr.Emmanuel S.J. on 24th September, 2015.
 - A Guest Lecture on ‘Role of Traditional Medical Systems- Health’ by Dr.P.Satyanarayana Sastry was organized by National Green Corps, Botany and Biotechnology (UG) on 1st December 2015.
31. List the teaching methods adopted by the faculty for different programmes.-
Chalk-board, OHP, LCD projector
32. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? **By conducting staff meetings regularly and performing student assessment.**
33. Highlight the participation of students and faculty in extension activities.
- As part of “Programs for Advanced learners” Ms.Deepti and Mr.Karthik of DBMC were sent for Industrial training programs in Biotechnology during the months of May and June 2012.
 - Mr. Mahesh of DBMC was sent for industrial training in Laila Impex, as part of special training program.
 - Blood group campaign for PG students in September 2013.
 - Organised “Land to Lab” for school children.
 - Swach Bharat activities on campus.
 - Field trip to MSSRF (M.S.Swaminathan Research Foundation) and CIBA (Central Institute of Brackishwater Aquaculture), Chennai from 18th to 21st September, 2015.
 - Conducted games on Children’s day for Andhra Loyola College Alumni Association (ALCAA) School on November 14, 2015.
34. Give details of “beyond syllabus scholarly activities” of the department.
Student participation in National and International Seminars, Workshops and Conferences, minor projects, interaction with eminent in the Biotechnology field.

35. State whether the programme/ department is accredited/ graded by other agencies. Give details.

36. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

- **Well-established Laboratories**
- **Efficient staff**
- **Dept. has 3 MoUs with other laboratories, institutions and organisations.**
- **Promotes all-round development of students.**
- **Most of the students got placed in reputed institutes and companies in India.**

Weaknesses

- **Lack of Funding**
- **Elaborate infrastructure to promote Research**

Opportunities

- **Curriculum enables the students to work with ease at various labs and companies**

Challenges

- **To get National Funding for Departmental Projects.**
- **To provide research level opportunities within the Department.**

37. Future plans of the department.

- **National Funding for Departmental Projects**
To work in collaboration with other reputed Universities/Institutes and companies.

EVALUATION REPORT DEPARTMENT OF MICROBIOLOGY

1. Name of the Department & its year of establishment: **Microbiology, 1996**
2. Name of programmes / Courses Offered (UG, PG, M. Phil, Ph. D., Integrated Master; Integrated Ph. D., etc.)
UG., **B. Sc.**, Microbiology, Biotechnology, Chemistry, Food Technology, Microbiology, Chemistry
3. Interdisciplinary courses and departments Involved
Botany, Food technology, Biotechnology, Chemistry
4. Annual/ Semester/choice based credit System:
Choice Based Credit System
5. Participation of the departments in the Courses offered by other departments:
General elective
6. Number of teaching posts sanctioned & filled (Professors/ Associate Prof./Asst.Profs.):
Nil
7. Faculty profile with name, qualification, Designation, specialization (D.Sc./D. Litt/Ph.D./ M. Phil., etc.)

S.No	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students guided in the last 4 years
1.	Mr. K. Balachandra	M.Sc.,Mphil	HOD	Microbiology	12	---
2.	Mrs.M .Glory	M.Sc.,SLET	Lecturer	Microbiology	10	---

8. Percentage of classes taken by temporary faculty-programme wise information: Nil
9. Programme wise student Teacher Ratio : 1 : 42
10. No. of academic support staff (technical) : 01
11. No. of faculty with ongoing projects From a) national b) international funding : Nil
12. Departmental projects funded by DST, FIST; DBT, ICSSR, etc.; Nil
13. Research facility : State recognition
14. Publications : Nil
15. Details of patents and income generated : Nil
16. Areas of consultancy & income generated : Nil
17. Faculty recharging strategies : Nil
18. Student Projects

- % of students who have done in-house Projects including inter-dept. : 80%
 - % of students doing projects in Collaboration with industries/Inst. : 20%
- Collaboration with Laila Impex, Vijayawada & Institute of Biological Sciences, Guntur, Vijayawada
19. Award/ recognitions received at the National and international level by:
- Faculty
 - Doctoral/Post doctoral fellows
 - Students
 - Students
 - Hamsini (DBMC) got appreciation award for paper presentation on “Biochemical molecular analysis of mental retardation” at KL University.
 - Sri Durga (ABMC-6) won the 1st place in **Badminton** intercollegiate sports competitions held at Andhra Loyola College on 13th January 2014
 - Sri Durga (ABMC-6) won the 3rd place in **Badminton** intercollegiate sports competitions held at Andhra Loyola College on 13th January 2014
 - Samatha (AFC-3) won the 2nd place in **Badminton** intercollegiate sports competitions held at Andhra Loyola College on 13th January 2014
20. Seminars/conferences/Workshops Organized and the source of funding (national/international) with details of outstanding participants, if any.
- :
- A Two Day **National Work Shop** On 'Innovative Trends In Life Sciences' 26th & 27th August 2011
 - Guest Lecture to mark the World Nature Conservation Day on 28-07-2011
 - The Department of Botany and Microbiology observed Mendel's Day on 20th July, by organizing a guest lecture on "Conservation of Bio-Diversity" for all the students of the college.
 - The Department of Microbiology and Botany **organized** a two day UGC-sponsored Staff Retraining Workshop in Microbiological Techniques and Diagnostic Procedures from 15th to 17th October 2012.
 - Mr.K.Balachandra and M.Glory attended a *One Day Seminar On* 'Conservation Of Natural Resources' on 29-12-2013 organized by the Dept of Botany, Andhra Loyola College, Vijayawada
 - Mr.K.Bala Chandra, H.o.D. Microbiology, Ms.M.Glory, Lecturer in Microbiology attended a Guest lecture on Career Guidance for the Biological students organized by the Dept of Botany on 10th July 2013. The Guest Lecture was delivered by **Dr.V. Naga Lakshmi, Director, IMIS Pharmaceuticals**, Vijayawada
 - Mr.K. Bala Chandra, H.o.D. Microbiology, Ms.M. Glory, Lecturer in Microbiology attended a seminar on **Regulation of Ecological Consequences for Sustainable Development** organized by the Department

of Botany on 22nd July, 2013 at which **Dr. P. Bramhaji Rao Assistant Professor in Environmental Science**, Acharya Nagarjuna University, was the Resource Person.

- Mr.K. Bala Chandra, H.o.D. Microbiology, Ms.M. Glory, Lecturer in Microbiology attended a one day seminar on 'Conservation Of Natural Resources' On The Topic 'Yuvatha- Jalabhavitha' organized by the Department of Botany on 29-12-2013 at which **Sri. A. Vara Prasada Rao, Deputy Director, Ground Water Department, Andhra Pradesh**, was the resource person.
- Mr.K.Balachandra & M.Glory attended a two day National Conference on "Modern Approaches to the Conservation of Medicinal Plants" organized by the Dept of Botany, ALC, Vijayawada, on January 27th – 28th, 2014
- Mr.K.Balachandra & M.Glory attended a two day National Workshop on Knowledge And Openness In The Digital Era organized for the faculty members by the Department of Botany, ALC, Vijayawada, on 24th & 25th June 2014
- Mr.K.Balachandra attended a seminar on World Nature Conservation Day on 28th July 2014 organized by the Department of Botany, ALC, Vijayawada.
- Mr.K.Balachandra attended a seminar on "Ecological aspects and conservation of mangrooves" on 18-07-2014 organized by the Dept of Botany & Microbiology, Acharya Nagarjuna University.
- Department of Microbiology and Biotechnology organized a One Day Seminar On 'Biosastra-2015' on 25-08-2015.
- Mr.K.Balachandra & Ms.M.Glory attended a two day National Workshop on **Ornamental fishes** conducted by the Department of Zoology, ALC.

21. Student profile course wise:

Name of Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
B.Sc. Microbiology Biotechnology	100	50	40	100	100
B.Sc. Food Technology Microbiology	100	20	20	100	100

22. Diversity of Students:

Name of Course	% from college	% from state	% from other state	% from countries
B.Sc Microbiology	10	80	10	Nil
B.Sc Food Technology	10	85	5	Nil

23. How many students cleared Civil, DSC, NET SLET, GATE and any other competitive Examination? : 20%

24. Student Progression

Student progression	Percentage against enrolled
UG to PG	80%
Employed	
• Campus Selection	20%
• Other than campus recruitment	50%

25. Diversity of staff

:

Percentage of faculty who are graduates	
Of the same parent university	100%
From other university within the State	80%
From other Universities from other State	20%

26. Number of faculty who were awarded Ph.D., D.Sc and D. Litt. During the assessment periods :
Faculty pursuing Ph.D.

27. Present details about infrastructural Facilities

- a. Library : 50 Books covering various titles.
- b. Internet facilities for staff and Students: one System for Staff
- c. Class rooms with ICT facility : 1 Lab
- d. Total Number of Class Rooms : Three
- e. Students' Laboratories : lab with two rooms one for tissue culture one for inoculation
- f. Research Laboratories : one interdisciplinary research lab

28. Number of the Department getting Financial assistance from college :
10 students get fee concession; 3 poor students get financial assistance from the Management.

29. Was any need assessment exercise Undertaken before development of new Programmes? If so, give the methodology.

Course structure from other universities and colleges was studied and suggestions from Industrial experts, Board of Studies members and outgoing students were considered in designing and changing the curriculum

30. Does the department obtain feedback From
- a. Faculty on curriculum as well as Teaching- learning-evaluation? If yes how does the department utilize it?
- Board of studies have experts from university and Industry. Syllabus is updated according to their advice.
- b. Students on staff, curriculum as well as teaching- learning-evaluation and what is the response of the department to the same?
- The department reacts positively towards the response and feed back carried out and accordingly changes in curriculum is made. Students are also satisfied by mentoring sessions.
- c. Alumni and employers on the Programmes and what is the response of the Dept to the same?
- The Department members constantly interact with the alumni, scientists and industrialists and also invite them for the Board of Studies meetings and their suggestions for betterment of syllabi are attended to.

31. List the distinguish alumni of the department (maximum 10)

1. G. Suseela – Teaching Faculty in United Arab Emirates
2. Mahesh – Reddy Labs Hyderabad
3. T. Sushmita – Aquaculture
4. S. Deepthi – Vyshanvi Agro Farms
5. P. Divya – Review Literature, Hyderabad

32. Give details of student enrichment programs (special Lecutres / workshops / seminar with external experts.:

Organization	Topic
ANU	Opportunities in Microbiology
Assistant professor Dr. D. V. N. Sudheer Pamidimarri Department of Chemical and Biochemical Engineering Dongguk University, Seoul, South Korea.	Opportunities in Molecular Biology a guest lecture on 'RECENT TRENDS IN MOLECULAR BIOLOGY' on 30-06-12 . a
Mr. K. Bala Chandra HOD of Microbiology,	

<p>ALC</p> <p>The Guest Lecture was delivered by Dr.V. Naga Lakshmi, Director, IMIS Pharmaceuticals, Vijayawada</p> <p>headed by Dr. P. Bramhaji Rao Assistant Prof in Environmental Science, Acharya Nagarjuna University</p> <p>Sri. A. Vara Prasada Rao, Deputy Director, Ground Water Department, Andhra Pradesh the resource person.</p> <p>Dr.K. Ammani, Associate proff, Acharya Nagarjuna University</p>	<p>guest lecture on " Career guidance for Biology students . He explained the scope of biology and also job opportunities for biological students.</p> <p>Guest lecture on Career guidance for the Biological students</p> <p>seminar on Regulation of Ecological Consequences for Sustainable Development 22nd July, 2013</p> <p>one day seminar on the theme' CONSERVATION OF NATURAL RESOURCES' on the topic 'YUVATHA-JALABHAVITHA' on 29-12-2013</p> <p>ONE DAY SEMINAR ON 'BIOSASTRA-2015' (25-08-2015)</p>
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33. List the teaching methods adopted by the faculty for different programmes :

Class Room	Video visuals, OHP, White board teaching with charts and models, blog
Audio Visual	Nil
Hands on	Bacterial and fungal isolation techniques from various sources, diagnostic procedures, Practicals and demonstrations Fresh and live models for demonstration

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored :

The department ensures the student learning outcome by conducting teaching classes, periodic written tests, taking students to field trips, giving assignments and seminar works to students, quiz on subject topics covered and simulation based learning for the first year students on various topics like Microscope handling, staining procedures, culture media preparation, solid waste disposal, bioremediation, etc and getting regular feedbacks from subject experts and students.

35. High light the participation of students and faculty in extension activities :
Students of the Department participate actively in NSS, NGC, ALANA, Visit Orphanage, Lab to School, Blood grouping and dental camp, awareness programmes on various infections, AIDS awareness programmes

36. Give details of “beyond syllabus scholarly activities” of the department :
Mr.K.Balachandra of Microbiology department is a member of Board of Studies at
Montessori Mahila kalasala, Vijayawada
Maris Stella college, Vijayawada,
JMJ college, Tenali,
Women’s college Guntur

Industrial tour to Coonor Pasteur Institute,
Participation and winning prizes in Arts Science Commerce Exhibition
Industrial visit to Vijaya Dairy, Vijayawada
Industrial visit to KCP sugar factory, Vuyyuru

37. State whether the programme / department is accredited / graded by other agencies.
Give details :

CPE evaluation and NAAC rated

38. Details any five Strengths, weaknesses, opportunities and challenges (SWOC) of the department :

Strengths:

1. Experienced faculty
2. Updated syllabus to meet industry requirements
3. Continuous monitoring of student performance
4. Good Infrastructure
5. Well equipped lab

Weaknesses:

1. Self financed course

Opportunities:

1. Pharma companies
2. Diagnostic labs
3. Microbiologists in corporate hospitals

4. Dairy industries
5. Research labs
6. Aqua companies
7. Quality control
8. Health departments like NIT National Institute of Tuberculosis
9. Food industries
10. Beverages and distilleries, Hotels

Challenges:

1. Develop interest in students towards research
2. Motivate students to participate in all activities
3. Faculty Research

39. Future plans of the Department

1. Faculty is pursuing Ph.D.
2. Improve placement opportunities to students
3. Establishment of Masters degree course in Microbiology in our college
4. Introduction of certificate courses
5. Self employability programmes

EVALUATIVE REPORT OF THE DEPARTMENT OF FOOD TECHNOLOGY

1. Name of the Department & its year of establishment :
Food Technology 2013
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
B.Sc Food Technology with Biotechnology and Microbiology
3. Interdisciplinary courses and departments involved
4. Annual/ semester/choice based credit system
Semester System. Choice Based Credit System
5. Participation of the department in the courses offered by other departments
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst.Professors)

	Sanctioned	Filled
Professor	-	-
Associate Professors	-	--
Asst. Professors/Lecturers	2	2

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No.of years of experience	No. of Ph.D. students guided for the last 4 years
GM Srirangam	M.Sc., M.Phil. B.L.I.Sc. MBA	HOD	Marine Biology	21	
V. Swathi	M.Sc	Lecturer	Food & Nutrition	2	
K. L. J Durga	M.Sc	Lecturer	Food Technology	1	

8. Percentage of classes taken by temporary faculty – programme-wise information
9. Programme-wise Student Teacher Ratio : 20 : 01
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled
 Technical Staff : 00
 Administrative Staff : 01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

The Department of Food Technology was established with the grants from University Grants Commission under the scheme of Interdisciplinary courses in innovative and emerging areas. The total grant received is Rs. 65.00 Lakhs

13. Research facility / centre with

- state recognition NIL
- national recognition NIL
- international recognition NIL

14. Publications:

* number of papers published in peer reviewed journals (national / international) 5

- a. Monographs
- b. Chapter(s) in Books
- c. Editing Books
- d. Books with ISBN numbers with details of publishers
- e. number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- f. Citation Index – range / average
- g. SNIP
- h. SJR
- i. Impact factor – range / average
- j. h-index

15. Details of patents and income generated NIL

16. Areas of consultancy and income generated NIL

17. Faculty recharging strategies

Faculty members periodically attended refresher courses , training programmes and seminars to recharge their academic excellence.

Faculty members also involved in designing the curriculum for various colleges

18. Student projects

- percentage of students who have done in-house projects including inter-departmental

All the final year students are involved in in-house projects.

- percentage of students doing projects in collaboration with industries / institutes

All the student projects are done in collaboration with food industries in Hyderabad and other places.

19. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows

20. Seminars/ Conferences/Workshops organized and the source of funding (national

- i. international) with details of outstanding participants, if any.

T

21. Student profile course-wise:

Name of the Course (Refer question No.2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2013-2014	45	11	15	The first batch of students are yet to complete their course.	
2014-2015	40	08	12		

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other states	% of students from other Countries
2012-2013	0	80%	20%	-
2013-2014	0	80%	20%	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

NIL

24. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	
From other universities within the state	80%
From other universities from other states	20%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

27. Present details about infrastructural facilities

- | | |
|--|--|
| a. Library | Departmental Library |
| b. Internet facilities for staff and students with | The Faculty Room is provided with Internet. Centralized internet facility is available for students. |
| c. Total number of class rooms | Centralized. |
| d. Class rooms with ICT facility | Centralized. |
| e. Students' laboratories carpet | One student laboratories with a area of 1200 sft. |
| f. Research laboratories Lab for | An Inter-Disciplinary Research the use of biological sciences faculty and students is available. |

28. Number of students of the department getting financial assistance from College.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. While introducing the, a need assessment exercise was undertaken and views from the out gone students pursuing PG courses, academicians and industry personnel were obtained in establishing the need of the course.

30. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Informal feedback on the curriculum as well as teaching-learning evaluation is obtained during the periodical faculty meetings. Any changes to be brought about in the curriculum are discussed and/are proposed in the ensuing Board of Studies meeting. Innovative teaching strategies by individual faculty members are appreciated and others are encouraged to emulate the same. Constant feedback on the achievements of learning objectives and outcomes are discussed. The Department follows various types of evaluative methods with regard to the assignment given to the students. However, the Department follows the centralized evaluative patterns. Any changes in the evaluative system suggested by the members are taken up in the Board of Studies meeting and subsequently recommended the academic council.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Periodical feedback is obtained from the students on staff curriculum and teaching-learning evaluation. The outcome is deliberated in the faculty meetings and the Department takes necessary remedial and adopts enrichment strategies.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

31. List the distinguished alumni of the department (maximum 10)

The first batch of students are yet to complete their course.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Student enrichment programmes are regularly conducted by the Department. A two day workshop was organised. The food items prepared by the students are kept on display and are also sold to the college students. This has helped the students to inculcate the principles of Entrepreneurship.

33. List the teaching methods adopted by the faculty for different programmes. Though the chalk and talk and lecture session are predominantly followed by the faculty, other modern teaching methodologies using models, charts, simulation videos and multimedia presentations are employed. The museum of

the dept is fully utilized in practical sessions.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The program objectives are narrowed down to the individual papers and objectives are enlisted in the course outlines given to the students. the learning outcomes are predominantly monitored through the formal internal assessments and in semester end evaluation. Informally the same is being obtained during class room interactions and while conducting the assignments. The feedback obtained in this area is discussed and deliberated in the faculty meetings.

35. Highlight the participation of students and faculty in extension activities.

Students and faculty are fully involved in the centralized college extension activity ALERT. Apart from this, the Department organizes educational extension activity by way of conducting open houses of labs, science exhibitions and visits to the neighbourhood communities to explain and create awareness about nutrition, health and hygiene, communicable diseases, etc. Some of the faculty members work in close association with international voluntary bodies like Lions International.

36. Give details of “beyond syllabus scholarly activities” of the department.

Students of the Department are motivated and encouraged to go beyond the syllabus and participate in scholarly activities like paper presentation, higher grade of project works, intellectually challenging assignments, etc. they are also taken field trips and training programs.

37. State whether the programme/ department is accredited/ graded by other agencies.
Give details.

NO

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

- Curriculum fully aligned with the objective of the college
- Introduced employable skill oriented papers in the curriculum
- Innovative teaching strategies adopted
- Well established laboratories.

Weaknesses

- Nascent Department. Established only three years back
- Not much research activity

- Publications
- Decreasing number of students opting the courses

Opportunities

- To increase research activities
- To increase publications

Challenges

- Making the course more attractive for the biology students
- Placements to the outgoing students

39. Future plans of the department.

To introduce more skill oriented electives in the areas of Food Preservation, Quality Control

To start M.Sc., Food Technology course

EVALUATION REPORT OF THE DEPARTMENT OF COMPUTER SCIENCE

1 Name of the Department & its year of Establishment:

Computer Science : 1988

2. Names of the programmes/courses offered (UG, PG, M.Phil. Ph.D. Integrated Masters, Integrated Ph.D., etc.)

B.Sc., Computer Science : Maths, Physics, Computer Science
 Maths, Statistics, Computer Science
 Maths, Electronics, Computer Science
 Master of Computer Applications

3. Interdisciplinary courses and departments involved

B.Sc., Computers & Electronic Technology
 B.Sc., Computers & Visual Communication
 * Foundation Course : Information Technology (I year B.A. & B.Sc., students)
 * General Elective : Oracle & Web Desig
 * B.Com (Comp) : vb.net
 * Vocational Course (Hospital Management & Renewable Energy): Data Base Management System

4. Annual/ semester/choice based credit system
 Semester System

5. Participation of the department in the courses offered by other departments

B.Sc., Electronics
 B.Sc., Visual Communication
 B.Sc., Renewable Energy
 B.A., B.Sc., (Biology courses) – FIT

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)
 Nil

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No.of yearsexp.
1. S.A.B. Nehru	M.Sc., PGDBA	HOD	Multimedia, O.S,Networks	24
2. K.B.S. Sastry	M.Sc., PGDCA, M.S. M.Phil.,(Ph.d)		Lecturer Digital Logic, Programming Languages	23
3. A. Lavanya	M.Sc., APSET		Lecturer,DBMS, Data Comm.	12
4. T. Kamalakar Raju	M.Sc., (IS)		Lecturer Web. Tech., S.E	08
5. N. Sireesha	M.Sc., M.Tech.,	Lecturer	CPP, OS	08

6. L. Nageswari Devi	M.Tech.,	Lecturer	Data Structures, Networks	07
7. K. Aparna	M.Sc.,	Lecturer	Java, O.S.	04
8. Mrs.R.L.P.Durgabai	MCA, M.Tech(Ph.d)	Lecturer	Data Mining	10
9. Mrs.Manjula	MCA, M.Tech.	Lecturer	Networks, MIS	08
10. Mr.Sreedhar	MCA,M.tech	Lecturer	.Net, Web Tech.	06
11. Mrs.D.Gayatri	MCA,M.Tech	Lecturer	Java, Networks	06
12. Mr.R.Ananda Babu	M.Sc., M.Tech	Lecturer	OS,Neural Networks	10

8. Percentage of classes taken by temporary faculty–programme-wise information
NIL

9. Programme-wise Student Teacher Ratio

B.Sc., Computer Science (Maths, Physics, Computer Science)	} 35:1]
(Maths, Statistics, Computer Science)	
(Maths, Electronics, Computer Science)	
P.G. Course - MCA	- 16:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Programmers	-	4
Technical Support (Hardware Technicians)	-	4

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

Nil

13. Research facility / centre with

- state recognition Nil
- national recognition Nil
- international recognition Nil

14. Publications:

- * number of papers published in peer reviewed journals (national / international) **20**
- * Monographs-
- * Chapter(s) in Books
- * Editing Books
- * Books with ISBN numbers with details of publishers

- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact factor – range / average
- * h-index

Papers Published - 20

S.No	Name of the Lecturer	No. Of Papers Published	ISSN No.
1	S.A.B. Nehru	03	ISSN – 2320- 7884.
2	K.B.S. Sastry	06	ISSN – 2320 – 7884 – (online) ISSN: 1975-4094 IJSH ISSN: 2277 128X
3	A.Lavanya	01	ISSN – 2320- 7884.
4	T. Kamalakar Raju	01	ISSN – 2320- 7884
5	L. Nageswari Devi	02	ISSN – 2320- 7884
6	N. Sireesha	02	ISSN – 2320- 7884

Two faculty members have published in IJDCST journal on

- M-Commerce by Mrs. R.P.L.Durgabai
 - Open courseware educational technologies by Mrs.Mary Manjula Rani
 - Mrs.R.P.L.Durgabai published paper “An Innovative Method For Content Based Image Retrieval Using Hmm Based Intermediate Matching Kernel” in International journal IJARCST.
 - Mrs. R.P.L.Durgabai published paper on “Discriminative Feature Selection by Non Parametric Bayes Error Minimization” in international journal IJARCCE
 - Mrs.R.P.L.Durgabai and Mrs.Mary Manjula Rani published paper on “Fast algorithms for Extraction of Liaison transactions from RDBMS” in international journal IJRCSE/v5/4-1531.
 - Mrs.R.P.L.Durgabai and Mrs.Mary Manjula Rani published a paper on “Avoiding transient loops in high speed network path” in international journal IJRCSE/v5/4-1533.
15. Details of patents and income generated
Income generated per year average: Rs.10,00,000/-. (Conducting online examinations like BITSAT, GAT, VSAT, SRMEEE, MSIT, BITSHD, VITMEE, KIT, PUCET etc.)
16. Areas of consultancy and income generated

Online Examination Centre: Degree Computer Lab, Dept. of Computer Science, Andhra Loyola College, VJA.

17. Faculty recharging strategies
 - Organising Guest Lectures and workshops for the staff members and faculty undergoing Training Programmes, Faculty development programmes conducted by Xavier Board and Acharya Nagarjuna University.
 - Two-day Workshop conducted by COIGN EDU & IT Services Hyderabad in Android APP Development for the Staff members.
 - Faculty members attended a workshop on HTML5 and Web Designing conducted by Siddhartha College
18. Student projects
 - percentage of students who have done in-house projects including inter-departmental
35% of students involved in house projects
 - accounting packages
 - seating arrangements for examinations
 - Attendance package
 - Fee management system
 - percentage of students doing projects in collaboration with industries / institutes
19. Awards / recognitions received at the national and international level by
 - Faculty NIL
 - Doctoral / post doctoral fellows: NIL
 - Students Nil
20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conducted an UGC sponsored Seminar on “Information & Communication Technologies (ICTs) in making a Healthy Information Society with special Reference to use of ICTs in Educational Technology” on 11th & 12th August 2014. 35 papers were presented. 120 members participated.
21. Student profile course-wise:

Name of the Course	Appli cation Recei ved	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc., (Comp. Science) 2011-12	180	42	18	99	100
B.Sc., (Comp. Science) 2012-13	188	43	15	98	100
B.Sc., (Comp. Science) 2013-14	210	45	15	98	99
B.Sc., (Comp. Science) 2014-15	230	40	20	95	98

MCA- 2011-2012	41	23	18	56	44
MCA -2012-2013	44	26	18	59	41
MCA -2013-2014	15	05	10	33	67
MCA -2014-2015	21	15	06	71	29

22. Diversity of Students

Name of the Course	% students from the college	% students from the State	% students from other state	% students from the other Countries
B.Sc., (Comp. Science)	30 %	100 %	Nil	Nil
MCA	40%	100%	Nil	Nil

23. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? Three

28 students (Cleared various competitive exams)

24. Student Progression:

<u>Students Progression</u>	<u>Percentage against</u>
UG to PG	60 %
PG to M.Phil	3 %
PG to Ph.D.	-----
Ph.D to Post Doctoral	-----
Employed Campus Selection	25 %
Other than Campus section	20 %
Entrepreneurs	5 %

25. **Diversity of Staff**

Percentage of faculty who gave graduates	
of the same Parent University	72 %
From other universities within the state	14.2 %
From other university from other state	14.2 %

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

One faculty member waiting for Ph.D viva.

27. Present details about Infrastructural facilities

(a) Library	No. of books –	200
(b) Internet facilities for staff and student	-	Yes
(c) Total No. of Class rooms	-	3

(d) Class room with ICT facility	-	3
(e) students Laboratories	-	6
(f) Research Laboratories	-	Nil
(g) no. of computers under LAN	-	350
(h) LCD projectors	-	05
(i) UPS facility	-	20 KV
(j) Generator (exclusively for computer lab)	-	80 KV

28. No. of students at the department getting financial assistance from college – **15 Nos.**

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. New Programs were started after conducting field study in our neighbouring states, having the same courses.

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Feedback was obtained from university Professors of various universities and faculty of different colleges

Yes. End of every semester feedback obtained from students

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? New teaching methods were adopted.

Students are fully satisfied with staff members regarding teaching and evaluation methods. Staff members also monitoring process of students through mentoring and class tests.

c. alumni and employers on the programmes and what is the response of the department to the same? Curriculum update as per employability chances.

Present curriculum syllabi is IT challenging and meeting the industry requirements.

31. List the distinguished alumni of the department (maximum 10)

- Rev. Fr. Stani, SJ, Rector, HOD, Comp. Science, Loyola Academy, Sec'bad
- Mr. Bharath Kumar Reddy – V.P., Goose Technology
- Mr. Bharadwaj – NOKIA, Research Wing, Noida
- Mr.K. Sreedhar, HOD, Dept. of Comp. Science, Siddartha College
- Mr.Y. Sudheer, Google, LONDON

- f) Mr. K. Satish – Internet Hacking expert- Indian servers.com
- g) Mr.Hareesh Raman,Domestic Manager- Marketing at Deccan Industries
- h) Mr.Prasad Deevi,Strabus Software Solutions, USA
- i) Mr.K.Praveen Kumar Oracle
- j) Mr.P.Sai Ram HCL
- k) Mr.A.Mangarao Deloitte
- l) Mr.Aditya Broadridge
- m)Mr.B.Joseph Web Synergies
- n) Mr.D.Sagar Microsoft Solutions
- o) Mr.T.Rajasekhar Wipro
- p) Mr.T.Malleswara rao HCL
- q) Ms.A.Madhuri IBM
- r) Mr.S.Rosi Reddy Sapient Technologies

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Student Enrich Programmes:

- (a) Guest Lecture on Ethical Hacking - Mr. K. Satish (Ethical Hacking expert)
 - (b) Guest Lecture on Embedded System - Mr. K. Sridhar, H.o.D. Comp.Sci.
Siddhartha College, Vijayawada
 - (c) Guest Lecture on Cloud Computing - Mr. Khan, (Cloud Solutions, HYD)
1. Guest Lecture was delivered by Sri Dr.U.B.Pavanaja, a scientist at BARC,Mumbai, a member of Internet Society Wikipedia on the topic 'Trends and Techniques in IT' on 11th September 2015
 2. “Current Technologies (HTML 5) used in IT Industry” by K. Raju, Software Engineer from “Neptunium Technologies” Bangalore, on 22nd July 2014.
 3. Importance of Oracle and “Opportunities abroad for IT Students” delivered by V. Jayapaul Reddy, Database Administrator and faculty member in “Washington University”, USA, on 26th July 2014.
 4. Soft Skills Training was conducted by Ms.Mary Matt, Oakland and ‘C’ Programming by Jesse Harder from Santa Clara University, USA, on 2nd August 2014
 5. Career guidance seminar given by Mr.D. Praveen Kumar, Software Engineer, Oracle Corporation, Hitech City, Hyderabad, on 13th December 2014 for final year students.
 6. Guest Lecture delivered by Mr. Rosi Reddy (Senior Software Engineer, Sapient Technologies Bangalore) on Career Guidance for first year students.

Workshops

- (a) .Net Programme solutions - Mr. K.R.G. K. Murthy, CEO, Swayam IT
- (b) Testing Tools - Mr. Kumar, Matrix IT solutins
- (c) DTP & Multimedia - Mr. Sivaramakrishnan , ALC faculty

State level Inter-collegiate Techno Feast- **Scientia**

33. List the teaching methods adopted by the faculty for different programmes.
- (i) Class room Teaching
 - (ii) Using Audio Video aids
 - (iii) Practicals
 - (iv) Smart boards
 - (v) Hands on experience
- 34.. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- Interacting with Alumni and IT Industry experts, incorporating their suggestions in curriculum and teaching methods and receiving continuous feedback from students.
35. Highlight the participation of students and faculty in extension activities.
- (a) The Department has its own mini garden maintained by students - as an extension activity
 - (b) Every year Tree plantation programme is undertaken by the Department
 - (c) ‘School to Lab’ – Children from neighbouring schools are given access to the computer lab and faculty explains to them different software and their uses.
 - (d) Actively participation in annual ‘Bala Mela’
 - (e) Five MOU’s from the following IT Companies
 - i. Galla IT Software Solutions, Medha IT Park, Gannavaram,Vijayawada : 9/9/2014
 - ii. Krishna IT Solutions, STPI, Polytechnic,Vijayawada : 8/9/2014
 - iii. Dr Computer in IT & Ecom Services, STPI, Polytechnic,Vijayawada : 3/9/2014
 - iv. S.S. Enterprise Solution provider, STPI, Polytechnic,Vijayawada : 3/9/2014
 - v. Moztech ,Near D.V.Manor,Vijayawada : 24/9/2014
36. Give details of “beyond syllabus scholarly activities” of the department.
- (a) Faculty members actively involved in designing of curriculum for the neighbouring autonomous Colleges
 - (b) Acting as a Board of Study Members
 - (c) Participating in other college competitions as judges.
37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
- No
38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department
- Strength -**
- (a) The maximum no. of students who get through the examination and obtained good positions

- (b) Active participation in academic and extra curricular activities.
- (c) Bright students are getting jobs in campus interviews
- (f) Periodic updating of curriculum to meet the industry requirements
- (g) Remedial classes for Slow learners
- (h) Well qualified and experienced faculty
- (i) Well established infrastructure

Weakness –

- (a) Economic background of the students.
- (b) Lack of communication skills is a major impediment to the students growth
- (c) Lack of IT industries in the city

Opportunities -

- (a) Students are getting chance to participate inter-collegiate competitions
- (b) Students can access Computer Lab outside the college timings also
- (c) Remedial classes are conducted for academically slow learners
- (d) Students have access to the departmental library

Challenges -

- (a) To improve the learners' communication skills is a challenge
- (b) Mushrooming corporate colleges.
- (c) To get the students from other states in large number

39. Future plans of the department.

- (a) To conduct professional training for the students in various subjects
- (b) To introduce Master Degree programme (M.Sc., Computers, MSc., IT etc.,
- (c) To conduct more number of seminars, Symposium for the benefit of students
- (d) Preparing students for the Campus Recruitment, by providing training in communication skills, aptitude, group discussion.
- (e) Already the Department has five MOUs with the industry. We are planning to get more MOU's to increase the scope of placements.

Evaluative Report of Department of Electronics

1. Name of the Department & **1989** : **Department Of Electronics,**
its year of establishment
2. Name of programmes / Courses Offered (UG, PG, M. Phil, Ph. D., Integrated Master; integrated Ph. D., etc.) : **UG., B. Sc.,**
 - Maths, Electronics, Computer Science
 - Electronics Technology
3. Interdisciplinary courses and departments Involved : Maths, Computer Science, statistics, English
4. Annual/ Semester/choice based credit System : CBCS
5. Participation of the departments in the Courses offered by other departments : General elective & Certificate Courses
6. Number of teaching posts sanctioned & filled (Professors/ Associate Prof./Asst. Profs.): Nil
7. Faculty profile with name, qualification, Designation, specialization (D.Sc./D. Litt/ Ph.D./ M. Phil., etc.) :

S.No	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students guided in the last 4 years
1.	Mr. L.Ekambram	M.Sc.,	Lecturer	Embedded systems	12	---
2.	Mr. B. Balaji Bhanu	M.Sc, MCA,M. Tech M.Phil,	Lecturer	Wireless Sensor Networks & Communication Systems	24	---
3.	Mr. A. Nagarjuna	M.Sc(Tech), M.Sc Physics	Lecturer	Electronics &Instrume	5	---

				ntation technolog y		
4.	Mr N. Lakshmikanth	M.Sc.,	Lecturer	Electronic s & Communi cations	7	---
5.	Mr. Ch. Praveen Babu	M.Sc	Lecturer	Embedded systems	3	---

8. Percentage of classes taken by temporary faculty -programme wise inf. : 25%

9. Programme wise student Teacher Ratio : 35 : 1

10. No. of academic support staff (technical) : 01

11. No. of faculty with ongoing projects
From a) national b) international funding : Nil

12. Departmental projects funded by DST, FIST; DBT, ICSSR, etc.; : Nil

13. Research facility : Nil

14. Publications :

B. BALAJI BHANU, PUBLICATIONS IN JOURNALS AND PAPER PRESENTATIONS IN CONFERENCES:

Sl. No.	Title of the Paper	Journal Particulars
1	Agriculture Field Monitoring and Analysis using Wireless Sensor Networks for improving Crop Production.	IEEE Xplore Catalog Number: ISBN: 978-1-4799-3155-2 and DOI: 10.1109/WOCN.2014.6923043 pages 1-7
2	A Review of Limitations and Challenges in Wireless Sensor Networks for Environmental Research	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 9, Number 16 (2014) pp. 3309-3318
3	Controversial issues of security in wireless sensor networks	Recent Trends in sensor Research & Technology (2014) 1-7, STM Journals, Volume1, Issue1.

4	Porosity of Metals/Alloys/Porous solids with Design of Air Pycnometer.	International Journal of Electronics Communication and Computer Engineering (IJECCCE) Vol. 4, Issue-2, March - April 2013 ISSN: 2249-071X .
5	Improvising Cloud Performance using I/O Optimization and Mashup's.	International Journal of Computer Science and Technology IJCST Vol. 3, Issue 3, July - Sept 2012 ISSN: 2229-4333pgs 716-720.
6	Secure Group Communication in sensor networks.	International Journal of advanced computer engineering architecture (vol.2.No.1, Jan-Jul-2012) ISSN:2248-9452 .
7	Comparison of edge detection algorithms.	International Journal of data modeling and knowledge management (vol.2.No.1, Jan-Jun - 2012) ISSN:2249-0507.
8	On line temperature monitoring system.	International conference on Recent advances in computer sciences – 2012/275Page at GIET, Rajahmundry. March 30, 31-2012.
9	Design of Air Pycnometer for determination of density of metals/alloys/porous solids.	AP Science congress, GITAM Univ., Vizag, November 14 th to 16 th -2011.
10	“Trace metal analysis in and around Vijayawada”.	AP Science congress, GITAM Univ., Vizag, Nov. 14 th to 16 th -2011.

PUBLICATIONS IN JOURNALS AND PAPER PRESENTATIONS
by Sri A. Nagarjuna

Sl.No.	Journal	Paper Particulars
1	Business management- innovations and advancement	Improving Utilization of Infrastructure Clouds ISBN 978-93-81208-63-2
2	Business management- innovations and advancement	“ <i>Advances in Information Science The Effect of Social Network Sites on Adolescents Social and Academic Development</i> ” ISBN 978-93-81208-63- 2
3.	Contemporary trends in practices of Marketing	“Marketing The Significance Of Programmable Logic Controller In Automation “– With Special Reference To Industrial Advancement ISBN (978-81-928453-2-6)
4.	International Journal of Research & Business Innovation	<i>Information and Communication Technology (ICT) and Its Applications in Telecommunications</i> ISSN: 2321-5615, Impact Factor: 1.53
5.	Enhancing Competitiveness for Business Excellence	Importance Of Technology In Organisational Behavior – ISBN: 9789381208441

15. Details of patents and income generated : Nil
16. Areas of consultancy & income generated : Home appliances mechanism,
Computer hardware
17. Faculty recharging strategies : According to the curriculum
requirements faculties are
sent for retraining programmes, seminars & workshops like Embedded systems, PC
hardware maintenance, VLSI technology, Design & Testing of Solid State
Luminaries.

18. Student Projects
- % of students who have done in-house Projects including inter-dept. : 60 % (Embedded Projects)
 - % of students doing projects in Collaboration with industries/Inst. : 40%
19. Award/ recognitions received at the National and international level by : Nil
20. Seminars / conferences / Workshops Organized by Dept. : Nil
21. Student profile course wise:

Name of Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
Bsc. MECs	150	43	07	75	70
Bsc. Electronics Technology	60	12	03	80	70

22. Diversity of Students:

Name of Course	% from college	% from state	% from other state	% from countries
Bsc. MECs	18%	95%	5%	-
Bsc. Electronics Technology	15%	100%	-	-

23. How many students cleared Civil, DSC, NET SLET, GATE and any other competitive Examination? : NET – 1, Other Competitive exams -5
24. Student Progression

Student Progression	Percentage						
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	81	80	72	89	90	75	70
Employed							
• Campus selection	13	8	15	8	10	25	25
• Other than campus recruitment	6	12	13	3	-	-	5

25. Diversity of staff :

Percentage of faculty who are graduates	
Of the same parent university	----
From other university within the State	100%
From other Universities from other State	----

26. Number of faculty who were awarded Ph.D., D. Sc and D. Litt. during the assessment periods : Nil

27. Present details about infrastructural Facilities

- a. Library : 105 Books of 45 volumes covering various titles.
- b. Internet facilities for staff and Students : Two Systems for Staff
- c. Class rooms with ICT facility : 1 Lab
- d. Total Number of Class Rooms : Six
- e. Students' Laboratories : Department has three 18ft × 25ft dimensional labs, four 8ft × 10 ft dark rooms for Solid State Luminaries testing purpose tables, chairs, stools and sophisticate Equipments – Analog CROs, Digital CRO, Function generators, power supplies, Digital Trainer Boards, Communication kits, Photo Spectrometer(Konica Minolta CL-500), LUX meters, IR Thermo meters, Department using all these Equipment effectively providing to each of individual student.

Number of systems with configuration :

Department has 20 systems with I₃ Processor 500 Gb hard disk, 2Gb Ram & 18 inches Monitor The department also facilitate with 10 Pentium-IV systems which is used for giving training to students in Hardware maintenance and software installation.

- f. Research Laboratories : Nil
28. Number of students of the Department getting Financial assistance from college : 4 poor students get fee concession from the management.

29. Was any need assessment exercise Undertaken before development of new Programmes? : Involvement of Industrial experts in designing course curriculum and faculty get trained in course related areas in industry.

30. Does the department obtain feedback From

- a. Faculty on curriculum as well as Teaching- learning-evaluation?

If yes how does the department utilize it?

: The BOS consists of one expert from the university and another academic expert. It also includes industrial experts.

The syllabus is updated and modifying according to their suggestions. In addition to this we get regular feedback from alumni working in industry, and from our outgoing students to keep our syllabus in pace.

- b. Students on staff, curriculum as well as teaching- learning - evaluation and what is the response of the department to the same? : The department reacts positively towards the response and feedback carried out Suggestions from alumni, academic experts and industrial experts are taking into consideration for designing curriculum
- c. Alumni and employers on the programmes and what is the response of the department to the same? : Considering their valuable suggestions according to that making changes in curriculum

31. List the distinguish alumni of the (2008-2010) department (maximum 10)

wipro	1. G.Sowmya
	2. P.RRS Keerthi
Invensys company	3. V.Santhosh Koushik
ICICI	4.A.M.P Karun
Satyam	5.N.srikath
Genpact	6.P.Beyameen
	7.T.Raj kumar

(2009-12)

First source	8.D.Ashok
CDAC	9.K.Siva kumar
WIPRO	10.B.S.N. Murahari

(2012-13)

NTT DATA	11.B.Srimukhi syamala
WIPRO	12.Ranjith Jayan
	13.V.Poojitha
IGATE	14.B.sasi datta
TCS	15.M.V. L Sai Krishna
HCL	16. P Sairam

(2013-14)

Wipro	17. G. Saranya
Wipro	18. Rekha Jayan
TCS	19. D. Rajasekhar
Infosys	20. R. Hanoosh
L & T	21. K. Manikanta

(2014-15)

HGS-GE Wipro	22. M.Hemanth
Wipro, Tech Mahindra	23. B.Murali Krishna
Tech Mahindra	24. S.Sai Krishna
TCS	25. M.Venkateswara Rao
Berger Paints	26. P.Raviteja
Infosys	27. Ch.Srinivas
HGS Wipro	28. R.Prabhu
L&T	29. P.Sai Kiran Reddy

32. Give details of student enrichment programs (special Lecutres / workshops / seminar with external experts.:

Name of Resource Person	Organization	Topic
Dr. Kota Solmon Raju	Principle Scientist & Project leader CEERI, Pilani, Rajasthan	Embedded system design for various applications
Ch. Sriharsha & Team	Engineers, CDAC, HYD	Training program on Electronic Product Design
	Director, TIME Inst. Vijayawada	Talk on carrier guidance
Mr. Krishna Rao	Trainer, Jana sikshana samsthan, Govt. of A.P	Home Appliances training program
Sri. P. Kalee Prasad	Sr. Engineer, Doorsarshan Kendra, Vijayawada	Trends in semiconductor technology
Md. Tazuddin	Director, CMOS Research Labs Vijayawada	Training Program on PCB Design
Dr. Ch. Srinivasu	Reader, Dept. of Physics, ALC	Project Methodology
Mr. K. Phani Srinivas	Associative Prof., KLU	Satellite Communication
Prof. M. PurnaChandra Rao	Head Systems Design, Andhra University, Viskhapatnam	Digital Signal Processing (DSP).
Mr.M. ChandraSekhar,	Manager,Hi-Tech Automation,Vijayawada	Programmable Logic Controllers (PLC).
Mr.S. Bhavani Sankhar	Manager,Effectronics Pvt Ltd,vja	Opportunities for better future for Electronics
Mr.Kranthi Kumar	Project Engineer, Micro link Technologies Pvt.Ltd	Software trouble shooting
Mr,V.Govinda rao	Managing director, Micro link Technologies Pvt.Ltd	Microcontroller & Embedded systems
Sri P.Kalee Prasad	Sr.Engineer,Doordarshan	VLSI Technology

	Kendra, Machilipatnam	
Mr.M.Ratnaji rao	Institute of Mobile solutions(IMS)	Cellular phones & Trouble shooting
Mr. G. Srikanth	Trainer, BDPS, Vijayawada	PC Hardware & Troubleshooting

33. List the teaching methods adopted by the faculty for different programmes :

Class Room	The department conducting remedial classes and special classes after regular hours providing study material, departmental library text books for students.
Audio Visual	LCD projector, Power point presentations are used teaching. Doing practical's using components discussed in the class room
Hands on	Advanced learners motivated to attend placement tests. Present papers in seminars & workshops conducted by other colleges. We encourage the students for industrial training, also preparing working models.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored : Getting regular feedback from students academic experts and industrial experts. According to suggestions made by them we are taking measures for improvement.
35. High light the participation of students and faculty in extension activities : Plantation programme, Visiting and contributing for Orphanages & Old age homes. Repairing electronic & Electrical appliances, arranging quiz buzzer for Quiz competitions, demonstration kits to different educational institutions.
36. Give details of “beyond syllabus scholarly activities” of the department : Encouraging the students to design and preparing prototype solid state luminaries and working models in embedded systems.
37. State whether the program/department is accredited/graded by other agencies. Give details :
38. Details any five Strengths, weaknesses, opportunities and challenges (SWOC) of the department

Strengths:

- Experienced faculty
- Updated syllabus to meet industry requirements
- Continuous monitoring of student performance
- Conducting annual Industrial visits and Educational tours
- Well equipped lab.

Weaknesses:

- Self financed course
- lack of research activities

Opportunities:

- Growing industry
- IT in government sectors
- Job opportunities in LED luminaries manufacturing industries

Challenge:

- Voluntary involvement of students in departmental activities
- Faculty Research

39. Future plans of the Department

1. Faculty wants to take up research activities
2. Improve placement opportunities to students
3. Adopt new methods of teaching and train up to bridge the gap between industry and institution

**EVALUATIVE REPORT OF THE DEPARTMENT OF
VISUAL COMMUNICATION**

1. Name of the Department & its Year of Establishment

- B.Sc., Visual Communication Department was started in the year 2005.

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D; and Integrated Masters; Integrated Ph.D., etc.)

- B.Sc. Visual Communication.
- M.Sc. Visual Communication.

3. Inter-disciplinary courses and the Departments involved

- B.Sc. Vfx, Animation.
- B.A. Animation, Music/ Dance, Sound.
- B.A. Journalism Advanced English, Animation.
- M.Sc. Visual Communication.

4. Annual/semester/choice based credit system

- Yes. The course consists of 6 Semesters 3 odd semesters and 3 even semesters along with the choice based credit system.

5. Participation of the Department in the courses offered by other Departments.

- The department plays a good role in other department courses like:
 - B.Sc Vfx, Animation.
 - B.A. Animation, Music/ Dance, Sound.
 - B.A., Journalism, Advanced English, Animation.
 - M.Sc. Visual Communication.

6. Number of teaching posts sanctioned and filled (Professors / Associate Professors / Assistant Professors)

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	4	4

7. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. /M.Phil.etc.)

Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D. Students Guided for the Last 4 years
Vijay Srinivasan	M.Sc Visual Communication	H.O.D	Television Production, communication theories	05	--- NIL ---
N. Sridhar	B.FA	Lecturer	Drawing, Painting	15	--- NIL ---
K.S.R.K.Prasad	M.Sc Visual Communication	Lecturer	Sound Designing, Graphic Designing	04	--- NIL ---
G.Karthik	M.Sc Visual Communication ; MBA	Lecturer	Advertising, Journalism	01	--- NIL ---

8. Percentage of classes taken by temporary faculty – Programme wise information.

- 4% of classes will be taken by the Lecturers of M.Sc. Visual Communication for the subjects Copy Writing and Contemporary Media.

9. Programme-wise Student-Teacher Ratio.

- The student-teacher ratio being followed is 30:1.

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

- Technical Staff – 01 – Technician - NIL
- Administrative staff – 01 – Mr. Narasimha Rao – Attender.

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received. Mention the names of funding agencies and grants received project – wise.

- NIL

12. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.

- NIL.

13. Research facility / centre with

- State Recognition – NIL
- National Recognition – NIL
- International Recognition – NIL

14. Publications:

- Number of papers published in peer reviewed journals (national/international) – NIL.
- Monographs – NIL.
- Chapter in Books – NIL.
- Editing Books – NIL.
- Books with ISBN numbers with details of publishers – NIL.
- Number listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.) – NIL.
- Citation Index – range / average – NIL.
- SNIP – NIL.
- SJR – NIL.
- Impact factor – range / average – NIL.
- h – Index – NIL.

15. Details of patents and income generated.

- NIL

16. Areas of Consultancy and income generated.

- NIL

17. Faculty recharging strategies.

- The Faculty of the department participates in Seminars and Workshops organised by the College as well as other colleges and also the state government.

18. Student Projects:

a) Percentage of students who have done in-house projects including interdepartmental. –

Taking Photographs of all departmental events and college events 100%.

b) Percentage of students doing projects in collaboration with industries / institutes. – 20%

19. Awards/Recognitions received at the national and international level by

- Faculty – NIL.
- Doctoral / post-doctoral fellows – NIL.
- Students – NIL.

20. Seminars/Conferences/Workshops organized & the source of funding (National / International) with details of outstanding participants, if any.

- NIL

21. Student profile programme/course-wise: 2015

Name of the Course/programme (refer question no. 2)	Applications received	Selected	Selected		Pass Percentage	
			*M	*F	*M	*F
B.Sc. Visual Communication						
2009 – 2010	90	60	52	08	100%	100%
2010 – 2011	100	54	44	10	100%	100%
2011 – 2012	110	53	50	03	100%	100%
2012 – 2013	100	50	41	09	90%	98%
2013 – 2014	100	53	47	06	85%	100%
2014 – 2015	90	46	40	06	85%	86%

22. Diversity of Students

Name of the Course (refer question no. 2)	%of students from the College	% of students from the State	%of students from other states	%of students from other Countries
B.Sc Visual Communication				
2009 - 2010	05%	95%		
2010 - 2011	05%	95%	05%	
2011 - 2012	10%	90%		
2012 - 2013	05%	95%		
2013 - 2014	05%	95%		
2014 - 2015	05%	95%		

23. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE, other competitive examinations?

- NIL.

24. Student Progression

Student progression	% against enrolled
UG to PG	50%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
•Campus selection	10%
•Other than campus recruitment	30%
Entrepreneurship/Self-employment	10%

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	75%
From other universities within the state	25%
From other universities from other states	

26. Number of faculty who were awarded Ph.D; D.Sc. and D.Litt. during the assessment period.

- NIL

27. Present details about infrastructural facilities

a) **Library:** The department has about 500 DVDs in a separate video library section and also

around 20 books separately in the departmental library along with student library.

b) **Internet facilities for Staff & Students:** internet facility has been provided for the staff

in the lab and the staff room and for students in the student library.

c) Total number of class rooms: 03

d) Class rooms with ICT facility: All the labs are enabled with ICT Facility.

e) Students' laboratories: 05

- | | | |
|------|------------------------------|-------------|
| i. | Television Production Lab | : 23X17 ft. |
| ii. | Computer graphics Lab | : 23X17 ft. |
| iii. | Television Production Studio | : 17X30 ft. |
| iv. | PCR Room | : 15X12 ft. |
| v. | Audio Recording Studio | : 10X12 ft |

f) Research laboratories :

Nil

28. Number of students of the department getting financial assistance from college.

- NIL

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- No new programmes have been introduced in the last four years. However, the department in consultation with industrial experts changes the syllabi and introduces new topics and papers from time to time which will be useful for the students

30. Does the department obtain feedback from?

a) Faculty on curriculum as well as teaching – learning evaluation?, if yes, how does the department utilize it?

- Yes, the Department regularly obtains feedback on curriculum from the students as well as the alumni of the department and from the people from the

industry and the changes are made in the syllabus, making use of the feedback collected.

b) Students on staff, curriculum as well as teaching – learning evaluation and what is the response of the department to the same?

- Yes. The feedback is collected by the UG–Vice Principal office and the staff are informed of the same for taking the necessary actions and making required changes.

c) Alumni and employees on the programmes and what is the response of the department to the same?

- Yes. The Department regularly obtains feedback on curriculum from the alumni of the department and from the people of industry and the feedback is taken into consideration for effecting required changes in the syllabus.

31. List the distinguished alumni of the department (maximum 10)

1. Dileep Kumar – Hero, Tollywood film industry.
2. VidyaSagar – Manager – LEPL – Air Costa.
3. Ayyapa – Visual Designer – Cognizant Technologies.
4. Uday Kumar – editor – V6 channel.
5. Sai kiran – editor – Express TV.
6. Bhanu Chinta – Reporter – Eenadu.
7. Anudeep Reddy – senior proof reader – Mahindra Sathyam.
8. Hemanth – Actor – Telugu serials.
9. Sowmya Sruthi – Reporter – Hans India.
10. Sai Durga – Reporter – The new Indian express.

32. Give details of student enrichment programmes (special lectures / workshop/ seminars) with external experts.

- Guest Lecture by Sri “Chinni Krishna”, eminent Telugu film screen writer, has been organized on the topic “Fundamentals of Screen writing”.
- Guest Lecture by Ms. “Indraganti Kiranmayee”, eminent independent film maker and faculty of RAFT, has been arranged on the topic “Essentials of film reviewing”.
- Guest Lecture by Sri “M.S.Narayana”, popular Telugu film actor, has been organized on the topic “screen acting”.

- Organized a Workshop and Seminar on photography by Mr.Vinay, Technical Expert from Nikon India.
- Organized a Workshop and demo on the movie camera Panasonic BH4 4k resolution camera by Mr. Rambabu, Technical Resource Person Panasonic India.
- Organized a Workshop and seminar on painting by Sri Mruthyunjaya Rao, faculty from Yogi Vemana University.
- Conducted “Gran Kinos” a three-day national level Film Festival including seminars by renowned film makers in March 2015 for the students of the Department.
- Organized a Guest Lecture by Sri “Vijayendra Prasad”, eminent film writer, on the topic Screen Writing.
- Organized a Guest Lecture by Dr. Manju Bhargavi and Sri Krishna Murthy, renowned doctors from the city, on the topic Organ Donation.

33. List the teaching methods adopted by the faculty for different programmes.

- Power Point Presentation
- OHP Presentation
- Audio –Visual aids (films and videos on subject related topics)
- Case Study Method
- Group Discussion Method.
- Demonstrations.

34. How does the department ensure the programme objectives are constantly met and learning outcomes monitored?

- Student’s feedback report.
- Continuous Internal Assessment
- Classroom seminar sessions
- Faculty feedback report
- Regular department meetings of faculty to take stock and plan.

35. Highlight the participation of the students and faculty in extension activities.

- Students of the first year are required to undertake extension activities under the College scheme ALANA under which the students visit the adopted schools of Vijayawada Municipal Corporation to take classes and tuitions for the pupils and help them in doing their regular home work..
- Students of Final Year Degree Visual Communication will take a social issue every year and do a social campaign to bring awareness among the public of in and around Vijayawada the new capital of Andhra Pradesh.
- The Department has undertaken several Social Campaigns on varied topics like ECO (Pollution), ALL KA HELL (Anti Alcoholism), WIPE OUT (Gender Equality), STAR.EDU (Education), FORSAKE (Corruption), MISTECH (Misuse of Technology), DONATE (Organ Donation).

36. Give details of “beyond syllabus scholarly activities” of the department.

- Participation in various Inter-collegiate competitions by our students.
- Paper presentation by faculty at state and National Level.
- Faculty participation in various seminars and workshops in state level.

37. State whether the programme/ department is accredited / graded by other agencies. Give details.

- NO

38. Detail any five Strengths, weakness, Opportunities and challenges (SWOC) of the department.

Strengths:

1. Finest infrastructure and fully equipped studio in coastal Andhra.
2. Course is unique to our College as no other college offers this course.
3. Syllabi is made up-to-date in tune with industry requirements.
4. Students are provided with practical industrial exposure through Internship.
5. faculty with industry experience

Weakness:

1. Constant changes in technology and Updation of technological gadgets.
2. Getting resource persons from the industry.
3. Exposure about the course in the city.
4. Less employment opportunities in the city.
5. Attracting Students from other states.

Opportunities:

1. To conduct inter – disciplinary courses.
2. Budding industry in the new capital of newly formed state.
3. More opportunities for the students.
4. To make the students media ready.
5. To make them media entrepreneurs.

Challenges:

1. To increase the exposure about the course in the city.
2. To increase the number of girls students in the course.
3. To bring more companies in the campus recruitment.
4. To make MOU's with media Organisations.
5. To make the students to get updated with present technology.

39. Future plans of the department.

1. Organizing State and National Level Seminars sponsored by UGC.
2. Organizing National Level film festival.
3. Conducting more guest lectures inviting expertise from the industry.
4. Giving students experience of small projects and short films.
5. To make MOUs media organisations.

DEPARTMENT OF MUSIC/DANCE , ANIMATION AND SOUND(UG)

- 1. Name of the Department & its Year of Establishment**
BA Music/Dance, Animation and Sound, 2012.
- 2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D; and Integrated Masters; Integrated Ph.d., etc.)**

B.Sc., Visual Effects
B.A. Music/Dance Animation & Sound
- 3. Inter disciplinary courses and the departments involved**
B.Sc. Visual Communication.
- 4. Annual/semester/choice based credit system**
The course consists of 6 semesters - 3 odd semesters and 3 even semesters along with the choice based credit system.
- 5. Participation of the department in the courses offered by other departments.**
 - The department plays a good role in other department courses like:
 - B.Sc. Visual Communication.
 - M.Sc. Visual Communication.
- 6. Number of teaching posts sanctioned and filled (Professors / Associate Professors / Assistant Professors)**

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	4	4

7. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt./Ph.D. /M.Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years
Fr.D.Ravi Sekhar, SJ	MA Music	H.O.D	Music	4	--- NIL ---
K.Naga Rani	MA Bharathanatyam	Lecturer	Dance	4	--- NIL ---
D.Praveen Kumar	B.Tech Sound Engineering	Lecturer	Animation	03	--- NIL ---
Y.Subhash	BA. PG.Diploma	Lecturer	Animation & Visual Effects	01	--- NIL ---

8. Percentage of classes taken by temporary faculty – Programme wise information.

10% of classes will be taken.

9. Programme–wise Student-Teacher Ratio.

The student – teacher ratio what the department following is 18:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

NIL

11. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received. Mention the names of funding agencies and grants received project – wise.

NIL

12. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.

NIL.

13. Research facility / centre with

State Recognition – NIL

National Recognition – NIL

International Recognition – NIL

14. Publications:

- Number of papers published in peer reviewed journals (national/international) – NIL.
- Monographs – NIL.
- Chapter in Books – NIL.
- Editing Books – NIL.
- Books with ISBN numbers with details of publishers – NIL.
- Number listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.) – NIL.
- Citation Index – range / average – NIL.
- SNIP – NIL.
- SJR – NIL.
- Impact factor – range / average – NIL.
- h – Index – NIL.

15. Details of patents and income generated: NIL

16. Areas of Consultancy and income generated: NIL

17. Faculty recharging strategies.

- The Faculty of the department participates in Seminars and Workshops Cultural Tours Interactive sessions organised by the College as well as other colleges and also the state government.

18. Student Projects:

- a) Percentage of students who have done in-house projects including interdepartmental.

Taking Photographs of all departmental events and college events 100%.

- b) Percentage of students doing in collaboration with industries/institutes
NIL

19. Awards/Recognitions received at the national and international level by

- Faculty – NIL.
- Doctoral / post-doctoral fellows – NIL.
- Students – NIL.

20. Seminars/Conferences/Workshops organized & the source of funding (National / International) with details of outstanding participants, if any.

NIL

21. Student profile programme/course wise: 2015

Name of the Course/programme (refer question no. 2)	Applications received	Selected	Selected		Pass Percentage	
			*M	*F	*M	*F
BA. Music Dance & animation & Sound						
2012– 2013	35	12	09	03	100%	100%
2013– 2014	40	14	11	03	100%	100%
2014– 2015	40	35	29	06	100%	100%
2015– 2016	60	30	23	07	90%	100%

22. Diversity of Students

Name of the Course (refer question no. 2)	%of students from the College	%of students from the State	%of students from other states	%of students from other Countries
B.Sc.Animation, BA. Music, Dance, Animation & Sound				
2012 - 2013	0%	100%	0%	
2013 - 2014	0%	80%	20%	
2014 - 2015	0%	90%	10%	
2015 - 2016	10%	100%	0%	

23. How many students have Cleared Civil Services, Defence Services, NET, SLET, GATE, other competitive examinations?

- NIL.

24. Student Progression

Student progression	% against enrolled
Employed • Campus selection	100%

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	25%
From other universities within the state	0%
From other universities from other states	75%

26. Number of faculty who were awarded Ph.D; D.Sc. and D.Litt. during the assessment period.

NIL

27. Present details about infrastructural facilities

- a) Library
- b) Internet facilities for Staff & Students: internet facility has been provided for the staff in the lab and for students.
- c) Total number of class rooms: 02
- d) Two Labs
- e) Class rooms with ICT facility: All the labs are enabled with ICT Facility.
- f) Research laboratories : Nil

28. Number of students of the department getting financial assistance from college.

08

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, The department remains in touch and with the consultation of the people from the industry changes the syllabus and introduces new topics and papers which are useful for the students

30. Does the department obtain feedback from?

Yes, the department regularly obtains feedback on curriculum from the students as well as from the people from the industry.

- 31. List the distinguished alumni of the department (maximum 10)**
NIL
- 32. Give details of student enrichment programmes (special lectures / workshop/ seminars) with external experts.**
- Guest Lecture by Sri “Ramalinga Sastry” Principal, Kuchipudi Academy .
 - Guest Lecture by Sri “Hemanth Kumar” eminent Bharatnayam Dance master.
 - Guest Lecture by Sri “Swaraveenapani” eminent Telugu film Music director.
 - students.
 - Guest Lecture by Sri “Malladisuribabu“ famous vocalist.
 - Conducted World Music Day Celebrations.
 - Conducted Clay Workshop by the department.
 - Guest Lecture Sri Bhaskara Rao in Animation And painting
- 33. List the teaching methods adopted by the faculty for different programmes.**
- Power Point Presentation
 - Audio –Visual aids
 - Group Discussion Method.
 - Demonstrations.
- 34. How does the department ensure the programme objectives are constantly met and learning outcomes monitored?**
- Student’s feedback report.
 - Continuous Internal Assessment
 - Classroom seminar sessions
 - Faculty feedback report
 - Regular department meetings of faculty to take stock and plan.
- 35. Highlight the participation of the students and faculty in extension activities.**
- Students of the first year undertake extension activities under the College Extension Programme ALANA and visit the adopted schools of Vijayawada Municipal Corporation for taking classes and tuitions for the children.
 - Students of Final Year Degree make a Public Performance on selected social issues every year and undertake a social campaign to create awareness among the Rural areas.
- 36. Give details of “beyond syllabus scholarly activities” of the department.**
- Participation in various Inter-collegiate competitions by our students.
 - Participation in various seminars and workshops.

37. State whether the programme/ department is accredited / graded by other agencies. Give details.

NO

38. Detail any five Strengths, weakness, Opportunities and challenges (SWOC) of the department.

Strengths:

6. Finest infrastructure and Fully Equipped studio.
7. Highly equipped workstations in Animation lab.
8. Focused more on industry related topics
9. Best industrial experienced faculty.
10. One and only college offering this course in coastal Andhra.

Weakness:

6. Constant changes in technology and Updation of technological gadgets.
7. Getting resource persons from the industry.
8. Lack of Exposure about the course in the city.
9. Less employment opportunities in the city.
10. Attracting Students from other states.

Opportunities:

6. To conduct inter – disciplinary courses.
7. Budding industry in the new capital of newly formed state.
8. To make the students Industry-ready.
9. To make them Experts.

Challenges:

6. To increase the exposure about the course in the city.
7. To bring Studios in the campus recruitment.
8. To make MOU's with Industry Organisations.
9. To make the students to get updated with present technology.

39. Future plans of the department.

6. Organizing State and National Level Seminars sponsored by UGC.
7. Organizing National Level Animation film festival.
8. Conducting more guest lectures by inviting experts from the industry.
9. To make MOUs with Industry organisations.

EVALUATIVE REPORT OF THE DEPARTMENT OF HISTORY

1. Name of the Department & its year of establishment: **History, 1960**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B.A. Degree)**
3. Interdisciplinary courses and departments involved:
General Elective Course on Travel & Tourism Management was offered as an Interdisciplinary
4. Annual/ semester/choice based credit system : **Semester**
5. Participation of the department in the courses offered by other departments

Nil

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor		
Associate Professors		
Asst. Professors	3	3 (2 –Aided, 1 – Unaided)

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
C.Ravindra Raju	M.A. SLET (AP)	Lecturer	Ancient & Medieval Indian History, History of Modern Andhra, History of South India	25	Nil
Dr.M.Srinivasa Reddy	M.A., M.Phil, Ph.D	Reader	Modern Indian History, Modern European History, Travel	18	5

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
			& Tourism		
Dr.M.Vijaya Kumar Reddy	M.A. , PhD	Lecturer	Modern India, Modern Europe	10	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information
33%
9. Programme-wise Student Teacher Ratio
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled : **3:3**
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
- 1. UGC Major Research Project undertaken by Dr.M.Srinivasa Reddy on Science & Technological Developments in Modern India.**
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
**Seminar Grant from ICHR – Rs. 1,00,000/- , ICSSR- Rs. 30,000/-,
APSCHE – Rs. 25,000/-**
13. Research facility / centre with
- state recognition
 - national recognition **-NIL-**
 - international recognition
14. Publications: **1**
- * number of papers published in peer reviewed journals (national / international)
 - * Monographs
 - * Chapter(s) in Books :

1. **Text Book for Class X AP State between 1997-2014, Social Studies – History published by School Education AP State.**
 2. **Text Book for III BA on History in Modern World published by Telugu Academy AP Government in 2014.**
 3. **Text Book for III BA Students of ANU Distance Education on History of Modern America.**
 4. **Text Book for III MA Students of ANU Distance Education on History of Modern America.**
 5. **Edited Intermediate Text Book for II Year Published by Board of Intermediate, AP, Hyderabad, 2015.**
- * Editing Books: **Edited Proceeding Volumes of AP History Congress for the years 2010-11, 2011-12, 2012-13.**
- * Books with ISBN numbers with details of publishers:
1. Working class movements in northern circars a case study a case study of Chittivalasa jute mill workers strike 1938-39” : ITIHAS; VOL XXI; Jan - Dec. 1995; No 1 & 2.(ISSN No. 0970-812x).
 2. Origins of Modern Industries in Rayalaseema During 1940’s - A case study of Sugar Industry in Chittor District in A. Satyanarayana and P. Chenna Reddy edited “Recent Trends in Historical Studies” (Festschrift to Professor R. Soma Reddy;) PP 140 -147; Research India press; 2004. ISBN 81-89131-02-08
 3. “Position on Women in medieval Andhra” in the Research India Press Publications, titled “Privileging Women in Agency in History, work, Worship, Leisure and Pleasure” ISBN : 978-81-89131-61-6 : PP 118 to 126, 2012.
 4. Dr.M.Srinivasa Reddy’s (Dept. of History) article entitled “Growth of Agro Industries in the Northern Circars 1919-1939” has been published in a Book entitled. “Colonial State Capital and Labour in India” edited by K Venugopala Reddy and published by Kalpaz Publications, New Delhi, ISBN 10 & 13, 2014.
- * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact factor – range / average

* h-index

15. Details of patents and income generated **-Nil-**
16. Areas of consultancy and income generated **-Nil-**
17. Faculty recharging strategies : **Refreshment Courses, Orientation Programme**
18. Student projects **100%**
- percentage of students who have done in-house projects including inter-departmental
 - percentage of students doing projects in collaboration with industries / institutes
19. Awards / recognitions received at the national and international level by
- Faculty
 - Doctoral / post doctoral fellows
 - Students
20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

ICHR, ICSSR, ASCHE funded for National Seminar

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.A					

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
BA	10%	85%	5%	

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

24. Student progression

Student progression	Percentage against enrolled
UG to PG	90%
PG to M.Phil.	

Student progression	Percentage against enrolled
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	10%
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	70%
from other universities within the State	30%
from other universities from other States	

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. **1-Dr.M.Vijaya Kumar Reddy**

27. Present details about infrastructural facilities

a) Library

Yes. The Department has a Departmental Library

b) Internet facilities for staff and students

Available

c) Total number of class rooms 3

d) Class rooms with ICT facility

Centralised facility

e) Students' laboratories NA

f) Research laboratories NA

28. **Number of students of the department getting financial assistance from College.**

Around 30% of students get financial assistance from the college

29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

No new programmes are started during the assessment period

30. **Does the department obtain feedback from**

a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?** Yes. Board of Studies Meeting

- b. **students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Yes**
- c. **alumni and employers on the programmes and what is the response of the department to the same?**

Feed back is obtained from the alumni periodically and it is utilised during the framing of the syllabus in the Board of Studies

1. **Prof. KP Rao, Central University Hyderabad,**
 2. **Prof. Srinath, (Kakatiya University)**
 3. **Prof. Amarendra , UNESCO, Salvije Archeology**
 4. **DrP.Harish, Allahbad University,**
 5. **Dr.K.K.Chowdary, SV University**
 6. **D.Raja Gopal, IAS**
 7. **Ajay Kumar, IRS**
 8. **T.Rama Kumar, Customs**
 9. **R.V.Balaram, Customs**
 10. **R.Vijaya Krishna, IPS**
 11. **Erumaiah, IPS**
31. List the distinguished alumni of the department (maximum 10)
1. **Prof. KP Rao, Central University Hyderabad,**
 2. **Prof. Srinath, (Kakatiya University)**
 3. **Prof. Amarendra , UNESCO, Salvije Archeology**
 4. **DrP.Harish, Allahbad University,**
 5. **Dr.K.K.Chowdary, SV University**
 6. **D.Raja Gopal, IAS**
 7. **Ajay Kumar, IRS**
 8. **T.Rama Kumar, Customs**
 9. **R.V.Balaram, Customs**
 10. **R.Vijaya Krishna, IPS**
 11. **Erumaiah, IPS**
32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. :
- Seminars organized with the following resources persons**
1. **Prof. Aninditha, Central University**
 2. **Prof.S.Srinadh (Kakatiya University)**
 3. **Dr.JKP Babu (JAwahar Bharathi College, Kavali)**

4. Dr.Bangya Bukhia (Central University, Hyderabad)

5. Dr.Kumara Swamy, Govt. College, Khamman

33. List the teaching methods adopted by the faculty for different programmes.

- Class room teaching
- Audio visual teaching
- Group discussions
- Assignments
- Remedial, Special Classes
- Quiz programmes
- E- lessons

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Continuous feedback from students, parents, Alumni, and stakeholders.

35. Highlight the participation of students and faculty in extension activities. :

1. Organized Village studies through filed trips in 20 Villages in Guntur & Krishna Dist. On North & South Bank of Krishna River.

2. The Final year Degree students organized a field trip during the month of May, 2015 and carried out “An Economic Survey of Villages Surrounding Amaravathi”, the new capital region of Andhra Pradesh.

36. Give details of “beyond syllabus scholarly activities” of the department.:

20 of our Students were provided with special training on travel & Tourism at NIITHM, Hyderabad

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

Strenghts:

Updated curriculum in consonance with the emerging trends

Interactive teaching methodologies

Committed faculty

Personal mentoring to the students

Involving students in classroom interactions

Weakness:

Less student strength

Not much of research being done

Opportunities:

Training the students for UPSC examinations could be done in a better way

Challenges:

Most of the students coming from vernacular medium

39. Future plans of the department.

To apply for major and minor research projects to UGC.

To start M.A Travel and Tourism Mangement Course

EVALUATIVE REPORT OF THE DEPARTMENT OF ECONOMICS

3. Name of the Department & its year of establishment
Economics - 1954
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Economics, History, Political Science

Economics, History, Special Telugu

Economics, Mathematics, Statistics

B.Com Business Economics

Bachelor of Business Administration
5. Interdisciplinary courses and departments involved
Economic Statistics and Computer Applications- Computer Department
6. Annual/ semester/choice based credit system
Semester
7. Participation of the department in the courses offered by other departments
B.Com. Business Economics
8. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)
Three

	Sanctioned	Filled
Professor		
Associate Professors		
Asst. Professors	3	4

9. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
S.Yosebu	M.A, B.Ed	Lecturer	Rural Development	18	-
Dr. B.Baby Rani	M.A.PGDCA,P.hd	Lecturer	EconomicStatistics	13	-
N.SatyaNarayana	M.A	Lecturer	Micro Economics	4	-
Dr G Jagadeesh	M.A, M Phill, P hd	Lecturer	Public Finance	2	

10. Percentage of classes taken by temporary faculty – programme-wise information
40 classes per week (2 Faculty)

11. Programme-wise Student Teacher Ratio
1:75

12. Number of academic support staff (technical) and administrative staff: sanctioned and filled
Nil

13. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
Nil

14. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
Nil

15. Research facility / centre with
- state recognition Nil
 - national recognition Nil
 - international recognition Nil
16. Publications:
- * number of papers published in peer reviewed journals (national / international) **07**
 - * Monographs-**1**
 - * Chapter(s) in Books
 - * Editing Books -**1**
 - * Books with ISBN numbers with details of publishers
 - * number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact factor – range / average
 - * h-index
17. Details of patents and income generated Nil
18. Areas of consultancy and income generated Nil
19. Faculty recharging strategies
20. Student projects
- percentage of students who have done in-house projects including inter-departmental
 - 25
 - percentage of students doing projects in collaboration with industries / institutes
21. Awards / recognitions received at the national and international level by
- Faculty
 - Doctoral / post doctoral fellows:
 - Students
22. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

1. UGC Sponsored National Seminar on “TWENTYONE YEARS OF ECONOMIC REFORMS AND INCLUSIVE GROWTH IN INDIA- EMERGING TRENDS AND CHALLENGES”- on 11th and 12th March, 2013.

Prof.G.Nanchraiah, Dean, School of Economics, University of Hyderabad has inaugurate the Seminar as Chief Guest, Prof.G.Omkarnath, Department of Economics, University of Hyderabad , delivered his Keynote Address. Sri.Vadda Sobhanadeeswara Rao, former MP and Sri.K.Lakshmana Rao, Member of Legislative Council AP State, attended as Guests of Honor.

2. The Department of Economics in collaboration with the Centre for Economic and Social Studies, Hyderabad, organized a two day UGC-sponsored National Seminar on ‘Socio-economic Conditions of Marginalized Groups – A Search for Inclusive Policy’ on 12th & 13th February 2015. Prof. S.Mahendra Dev, Director (Vice Chancellor), Indira Gandhi Institute of Development and Research, Mumbai, the Chief Guest, inaugurated the Seminar. Prof.G.Nancharaiah, Dean, School of Economics, University of Hyderabad, delivered the keynote address. A total of 65 delegates from different parts of the country including the host college attended and Seminar and presented papers on the seminar topic. The Seminar concluding with the valedictory session on 13th February with Dr.G.Vijayam, Editor, Athiest Magazine, as the Chief Guest. Dr.V.Srinivas, from University of Hyderabad, was also present at the valedictory. Mrs.B.Baby Rani, H.o.D. Economics, was the Convener of the Seminar while Dr.G.Jagadish, faculty acted as the Organizing Secretary of the Seminar. All the officials of the College, faculty and student of the Economics Department attended the Seminar.

23. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected	Pass percentage	
			Male	Female
Economics,History,Political Science. 2011-12	258	179	100	100
2012-13	277	184	100	100
2013-14	303	180	100	100
2014-15	323	177	100	100

Economics, History, Special Telugu 2011-12	258	179	100	100
2012-13	277	184	100	100
2013-14	303	180	100	100
2014-15	323	177	100	100
Economics, Mathematics, Statistics 2011-12	258	179	100	100
2012-13	277	184	100	100
2013-14	303	180	100	100
2014-15	323	177	100	100

24. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
Economics, History, Political Science	30	100	-	-
Economics, History, Special Telugu	40	100	-	-
Economics, Mathematics, Statistics	20	90	10	-

25. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Three

26. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	

Student progression	Percentage against enrolled
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

27. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	Three
from other universities within the State	-
from other universities from other States	

28. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. ONE

29. Present details about infrastructural facilities

- a) Library
- b) Internet facilities for staff and students
- c) Total number of class rooms
- d) Class rooms with ICT facility
- e) Students' laboratories
- f) Research laboratories

30. Number of students of the department getting financial assistance from College.

31. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

32. Does the department obtain feedback from

- c. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Feedback was obtained from university Professors of various university and faculty of different colleges
- d. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? New teaching methods were adopted.
- e. alumni and employers on the programmes and what is the response of the department to the same? Curriculum update as per employability chances.

33. List the distinguished alumni of the department (maximum 10)

Kona Sasidhar, IAS, UV Balaram,

34. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.
- UGC sponsored National Seminar On 21 years of Economic Reforms.
 - Guest Lecture on Impact of Economic Reforms on Small Enterprises and Agriculture
 - Field Visit to Vuyyuru sugar factory
 - The Department of Economics in collaboration with the Centre for Economic and Social Studies, Hyderabad, organized a two day UGC-sponsored National Seminar on ‘Socio-economic Conditions of Marginalized Groups – A Search for Inclusive Policy’ on 12th & 13th February 2015. Prof.S.Mahendra Dev, Director (Vice Chancellor), Indira Gandhi Institute of Development and Research, Mumbai, the Chief Guest, inaugurated the Seminar.
35. List the teaching methods adopted by the faculty for different programmes.
- Class room teaching
 - Audio visual teaching
 - Group discussions
 - Assignments
36. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- Continuous feedback from students, parents, Alumni, and stakeholders.
37. Highlight the participation of students and faculty in extension activities.
- Regular participation of students and staff in World Statistics Day organized by NSSO
 - Participation of students in seminars conducted by various institutions
 - Participation in NSS
 - Faculty Participation in National Seminars
38. Give details of “beyond syllabus scholarly activities” of the department.
- Computer training
 - Preparation for competitive exams
39. State whether the programme/ department is accredited/ graded by other agencies. Give details.
40. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths

- Excellent course structure and new job oriented electives are introduced in final year.
- High percentage of result
- Department is self contained with sufficient class rooms, exclusive library and smart classes.
- Students are sincere and obedient.
- Special attention towards slow learners.

Weaknesses

- Weak communication skills among the students
- Lacking mathematical abilities
- Wrong perception among the students about its employability.

Opportunities

- To help the students for competitive exams.

Challenges

- It's a challenge to sustain the habit of extra reading among the students
- Students have a fear towards mathematical approach of economics
- Bi lingual teaching

41. Future plans of the department.

- ❖ Undertaking survey works with active participation of the students.
- ❖ Preparation to publish a quarterly magazine.
- ❖ Organizing national and state level seminars
- ❖ Publication of annual departmental magazine.

**EVALUATIVE REPORT OF THE DEPARTMENT OF POLITICAL
SCIENCE**

1. Name of the Department & its year of Establishment

POLITICAL SCIENCE - 1954

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Economics, History, Political Science

English, History, Political Science

3. Interdisciplinary courses and departments involved

NIL

4. Annual/ semester/choice based credit system -

Semester System

5. Participation of the department in the courses offered by other departments

NIL

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Three

	Sanctioned	Filled
Professor		
Associate Professors		
Asst. Professors	3	3

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
KV Vijaya Babu	M.A, M.Phil	Lecturer (SG)	Political Economy & Human Rights	29	-
Dr.A. Samuel Dayakar	M.A.Ph. D	Lecturer	Public Administration	12	-
P.Krishnarjuna Rao	M.A, NET	Lecturer	Indian Politics	4	-

8. Percentage of classes taken by temporary faculty – programme-wise information
40 classes per week (2 Faculty)
9. Programme-wise Student Teacher Ratio
1:75
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled
Nil
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
Nil
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
Nil
13. Research facility / centre with
 - state recognition Nil
 - national recognition Nil
 - international recognition Nil
14. Publications:
 - * number of papers published in peer reviewed journals (national / international)
 - * Monographs
 - * Chapter(s) in Books
 - * Editing Books
 - * Books with ISBN numbers with details of publishers
 - * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact factor – range / average
 - * h-index

15. Details of patents and income generated Nil
16. Areas of consultancy and income generated Nil
17. Faculty recharging strategies
18. Student projects
- percentage of students who have done in-house projects including inter-departmental
25
 - percentage of students doing projects in collaboration with industries / institutes- NIL
19. Awards / recognitions received at the national and international level by
- Faculty NIL
 - Doctoral / post doctoral fellows NIL
 - Students NIL
20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
NIL
21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Economics, History, Political Science	50	20	05	100%-100%	
English, History, Political Science.	45	21	03	100%-100%	

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
Economics, History, Political	25	90%	10%	-

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
Science				
English, History, Political Science	25	90%	10%	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Three

24. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	NIL
from other universities within the State	01
from other universities from other States	02

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. NIL

27. Present details about infrastructural facilities
- a) **Library: The department has its own library which is quite rich in collection of books and CDs of Original Texts.**
 - b) Internet facilities for staff and students - **The department has a computer with LAN Connection and internet facility**
 - c) Total number of class rooms
 - d) Class rooms with ICT facility- **The department uses an Overhead Projector and a LCD Projector for teaching**
 - e) Students' laboratories –
 - f) Research laboratories
28. Number of students of the department getting financial assistance from College.
29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.
30. Does the department obtain feedback from
- f. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? *Feedback was obtained from university Professors of various universities and faculty of different autonomous colleges.*
 - g. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? *New teaching methods are adopted.*
 - h. alumni and employers on the programmes and what is the response of the department to the same? *Curriculum update as per employability chances.*
31. List the distinguished alumni of the department (maximum 10)
Prof K Ravi, Dr K Sudhkar, Mohan Krishna Indraganti, Kona Sasidhar, IAS, UV BalaRam.
32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.
- Conducted the National Voter's Day Celebrations on 26th January 2014.
 - On 11th December 2014, organized a guest lecture on Right to Information Act 2005.
 - Has been organizing news bulletins in Telugu and English on all teaching days since 9th January, 2015.

- Conducted the National Voter's Day Celebrations on 26th Jan 2015
33. List the teaching methods adopted by the faculty for different programmes.
- Class room teaching
 - Audio visual teaching
 - Group discussions
 - Assignments
 - Remedial, Special Classes
 - Quiz programmes
 - News Reviews
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- Continuous feedback from students, parents, Alumni, and stakeholders.
35. Highlight the participation of students and faculty in extension activities.
- K.V.Vijaya Babu served NCC as ANO of Air Wing from 1993 to 4th July 2014.
 - He won the Chief Minister's Medal and was adjudged as the Best ANO (Air Wing) at the Directorate level for the year 2005-06.
 - Member, Board of Studies of Maris Stella College, Vijayawada; Siddartha Mahila Kalasala, Vijayawada; KBN College, Vijayawada; AG&SG Siddartha College, Vuyyuru, and JMJ College, Tenali.
 - Dr A Samuel Dayakar is the Coordinator of One NSS unit.
 - Conducts quiz competitions in various educational institutions.
 - Participation of students in seminars conducted by various institutions
 - Participation of faculty and students in various co-curricular and extracurricular activities organized by college.
 - Faculty Participation in International & National Seminars
36. Give details of "beyond syllabus scholarly activities" of the department.
- Computer training
 - Preparation for competitive exams
37. State whether the programme/ department is accredited/ graded by other agencies. Give details. No
38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths

- Relevant course structure and the introduction of new subjects and electives in the final year.
- Highest pass percentage
- Department is self contained with sufficient class rooms, exclusive library and smart class rooms.
- Committed and well motivated students
- Special attention on slow learners.
- Special focus on fast learners.

Weakness

- Weak communication skills of students in English
- Students coming from science streams.
- Wrong perception among the students about its employability.

Opportunity

- To help the students for competitive examinations
- To promote political consciousness and imbibe democratic & secular spirit

Challenges

- Medium of learning in English.
- Inculcating the habit of reading original texts by students.
- Lack of direct employment opportunities for the subject.

39. Future plans of the department.

1. To undertake library news broadcast system with the active participation of the students.
2. To organize National seminar and state level seminars.
3. To conduct political surveys and
4. To organize Student Rallies and Guest Lectures on important political days like Human Rights Day and national Voters Day etc.,

EVALUATIVE REPORT OF THE DEPARTMENT COMMERCE

1. Name of the Department & its year of establishment

Commerce--1954

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

B. Com (General)

B. Com (Computers)

B. Com (Professional)

3. Interdisciplinary courses and departments involved

Interdisciplinary Course	Departments Involved
Business Statistics	Department of Statistics
Business Economics	Department of Economics
Business Mathematics	Department of Mathematics
Programming with C	Department of Computer Science
Database Management Systems	Department of Computer Science
Visual Basic	Department of Computer Science
Programming with C++	Department of Computer Science

4. Annual/ semester/choice based credit system

Semester and Choice Based Credit System

5. Participation of the department in the courses offered by other departments

The Department of Commerce offers General Elective Course on Fundamentals of Accounting for the second year students of other departments and Certificate course in Tally.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor		
Associate Professors		
Asst. Professors	11	11

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Sri Ch.Veeraiah Chowdary	M.Com ACS (Inter)	Lecturer	Advanced Accounting & Corporate accounting	28 Years	
Dr NA Francis Xavier	M. Com M.Phil Ph.D PGDCA	Head of the department	Financial Accounting Cost Accounting, HRM & Finance	23 Years	
Dr B Syam Sundar	M.Com., M.Phil., PhD UGC-NET., APSET	Lecturer	Advanced accounting, Financial Management, Cost Accounting	23 Years	
Rev Fr N Bujji Babu	M. Com M.Phil	Lecturer	Banking	20 Years	
Ms.. M. Nirmala Rani	M. Com	Lecturer	Corporate Accounting E Commerce & Finance	6 Years	
Ms.A. Sree Lakshmi	M.Com ICWA (Inter) PGDCA	Lecturer	Financial Accounting, Business Law, Auditing, Costing, Management	12 Years	
Ms.N Siva Bharathi	M.Com (Finance)	Lecturer	Finance, Taxation and Management	4 Years	
Ms.V Kalyani	M. Com (accounting & taxation).	Lecturer	Marketing, Financial Accounting and Auditing.	2 Years	
Ms. V. Kalpana	MBA,M.Com	Lecturer	Finance and Marketing	7 Years	
Mr. K. Viswanth	MBA,M.Com (Banking)	Lecturer	Banking. HR and	One Year	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
			Marketing		
Ms.G. Valli Jayalakshmi	MSC (IT) M Sc (Maths) and MA (Kucipudi)	Lecturer	C, C++, DS, DBMS, Java, Visual Basics	17 Years	

8. Percentage of classes taken by temporary faculty – programme-wise information
NIL

9. Programme-wise Student Teacher Ratio

Programme	Student-Teacher Ratio
B.Com (General)	40:1
B.Com (Computers)	30:1
B.com(Professional)	25:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled :

Sanctioned	Filled
2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

A Minor Research Project undertaken by Dr.NA Francis Xavier entitled “Nature & Dynamic of Network Marketing Schemes’ under the UGC-Sponsored Minor Research MRP- 2536/08 (UGC –SERO) dated 18-03-2008 was completed and the report was submitted on 17/04/2012 NO.MRP-2705/09.

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: **NIL**

13. Research facility / centre with

- state recognition : **Awaiting/ Pending from Krishna University**
- national recognition : **NIL**
- international recognition : **NIL**

14. Publications:

- * number of papers published in peer reviewed journals (national / international) :

1. Mr.Ch.Veeraiah choudary	12
2. Dr. N.A.Francis Xavie	23
3.Dr.B.Syam Sundar	25

- * Monographs :**NIL**
- * Chapter(s) in Books : **NIL**
- * Editing Books :**NIL**
- * Books with ISBN numbers with details of publishers: **NIL**
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :**NIL**
- * Citation Index – range / average :**NIL**
- * SNIP:**NIL**
- * SJR:**NIL**
- * Impact factor – range / average :**NIL**
- * h-index :**NIL**

15. Details of patents and income generated :**NIL**

16. Areas of consultancy and income generated :**NIL**

17. Faculty recharging strategies

Regularly participating in Refresher Courses and Orientation Courses conducted by Academic Staff Colleges of various Universities and Seminars, Conferences, Workshops conducted by different Colleges and Universities.

20. Student projects

- percentage of students who have done in-house projects including inter-departmental : **All Final Year Students** do their projects
- percentage of students doing projects in collaboration with industries / institutes :

10% of the students do their projects in the select Industries

21. Awards / recognitions received at the national and international level by

- Faculty :**NIL**
- Doctoral / post doctoral fellows : **02 (Dr NA Francis Xavier in the Year 2008 & Dr B Syam Sundar in the Year 2014)**

- Students: **Won National Level and State level commerce inter-collegiate competitions. N Thomas, B.com student, represented Junior India for Volley Ball**

22. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

UGC Sponsored National Seminar on Insulating India from Global Banking Problems: Issues & Challenges—January 11-12, 2012

23. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected			Pass percentage Male Female
		Male	Female	Total	
B. Com (General)	722	202	52	254	
First year (2015 -2018)	242	61	22	83	
Second year (2014 -2017)	224	71	14	85	
Third year (2013 -2016)	256	70	16	86	
B. Com (Computers)	636	112	40	152	
First year (2015 -2018)	215	48	12	60	
Second year (2014 -2017)	198	30	16	46	
Third year (2013 -2016)	223	34	12	46	
B. Com (Professional)	135	51	21	72	
First year (2015 -2018)	51	19	05	24	
Second year (2014 -2017)	45	18	5	23	

Name of the Course (refer question no. 2)	Applications received	Selected			Pass percentage Male Female
		Male	Female	Total	
Third year (2013 -2016)	39	24	1	25	

Success rate of students	Year	Percentage
	2015	94%
	2014	90%
	2013	80%
	2012	90%
	2011	98%
	2010	100%

24. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B. Com (General)		96	2	2
B. Com (Computers)		94	6	nil
B. Com (Professional)		95	5	nil

25. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :**NIL**

26. Student progression

Student progression	Percentage against enrolled
UG to PG	64
PG to M.Phil.	

Student progression	Percentage against enrolled
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	22
Entrepreneurs	03

27. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	NIL
from other universities within the State	09
from other universities from other States	02

28. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: **02 Ph Ds**

29. Present details about infrastructural facilities

a) Library: **The Department has its own Departmental Library**

b) Internet facilities for staff and students: **Commerce Lab with Internet Facility**

c) Total number of class rooms: **10 classrooms and 1 Computer Lab**

d) Class rooms with ICT facility: **1 lab and 1 e-classroom**

e) Students' laboratories: **1 Commerce Lab**

f) Research laboratories: **NIL**

30. Number of students of the department getting financial assistance from College: **Information to be sought from the Office**

31. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:

A good number of meetings and interactions with the subject experts and professionals and Industrialists have been conducted by the Department before launching the new programmes like B.Com (Computers) and B.Com (Professional) in the previous academic years.

32. Does the department obtain feedback from

i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Feedback is collected from the subject experts and University Nominees in the Departmental Meetings at regular intervals and the pre-Boards of Studies Meetings held before the Board of Studies Meeting every year

- j. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes. Feedback was received periodically at departmental meetings and appropriate measures were taken.

- k. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback is taken from the alumni and the employers

33. List the distinguished alumni of the department (maximum 10)

1. **Shri Ch. Kiran , Managing Director of Eenadu**
2. **Justice T. Sunil Chowdary, Hon'ble Judge of AP High Court**
3. **Shri PSRVK Ranga Rao, Wholetime Director of Andhra Sugars Ltd**
4. **Shri Vepa Kamesam, Former Deputy Governor, RBI**
5. **Shri Ch Murali Krishna, Senior Partner, Brahmayya & Co, Chartered Accountants, India.**

34. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

BEMUS, The National level Commerce Fest, an Edutainment program, is organized every year in the first week of September for Commerce and Management students in which students from Tamil Nadu, Kerala, Karnataka, Telangana and West Bengal participate.

Regular seminars and lectures were arranged to discuss contemporary issues, RBI credit policies, Annual Finance Budgets and economic portals.

Industrial visits and industrial tours were arranged. Internship programs, field study and Project work also are part of the course curriculum.

35. List the teaching methods adopted by the faculty for different programmes.

The following innovative techniques of teaching have been made during last five years in the department. Group Discussions, Multimedia teaching and Group Projects works were introduced for final year students from the year 2002-03. Practical in all subjects including Tally for all B.Com students were introduced. The Department is using LCD and Commerce Lab for Practicals.

The department follows the following teaching methods to support lecture methods: Quiz programmes, Seminars, Internet, Computer assisted learning, Case Study, Power point presentations, OHP, LCD, On-line assignments, On-line test, Role-playing, Group Discussions and Business Games.

36. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Through Continuous Internal Assessment by means of Mid Semester tests and Semester End Examinations, Quiz, Crossword Puzzles, assignments, seminars on a given topic

37. Highlight the participation of students and faculty in extension activities

A visit to Juvenile Home on 15th August of every year, A visit to Old Age Home, Financial help to needy and poor students, active participation in Swachh Bharat programme on campus and in neighborhood.

38. Give details of “beyond syllabus scholarly activities” of the department.

BEMUS, The National level Commerce Fest an Edutainment program organized every year in the first week of September for Commerce and management students in which students from Tamil Nadu, Kerala, Karnataka, Telangana and West Bengal were participated.

Regular seminars and lectures were arranged to discuss contemporary issues, RBI credit policies, Annual Finance Budgets and economic portals.

39. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Nil

40. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths of the Department:

- Highly qualified and experienced faculty with academic autonomy
- Updated curriculum which is need-based
- theoretical concepts taught in the classroom are checked for their validity in the practical sessions
- high percentage of students going to higher studies in general and professional courses in particular like CA, CMA, CFA, CS and moderate percentage of students getting placement opportunities in various industries

- Holistic and overall development of the students through various curricular and extracurricular, extension and social conscious gestures

Weaknesses of the Department

- High student-teacher ratio
- High Faculty attrition rate
- Socio-economic-academic background of the students
- Meager financial resources for various curricular and extracurricular activities of the Department

Opportunities of the Department

- Academic autonomy
- Strong alumni support
- Diversity of the students belonging to various states of the country and other countries like Nepal, Tibet

Challenges of the Department

- Challenge of teaching the slow-learners and advanced learners simultaneously
- Challenge of adopting the IT-based teaching, online assignment, online examinations and their evaluation, preparation of question bank for such online tests
- Meeting the expected demand for the human resources of the various industries to be set up in the new Andhra Pradesh State in general and Vijayawada City in particular as the State's Capital area

41. Future plans of the department

- Strengthening of the curriculum in the wake of the emerging problem of employability of the Indian youth for their ready employment
- To be more Industry-Institute-Interface oriented
- To give more orientation towards professional courses like CA,CMA,CS,CFA
- Planning to start new B.Com Hons , M.Com courses.
- Introduction of E-Learning techniques.
- Planning to have tie-ups with industries and Foreign Universities

- Planning to introduce the training programmes.
- To organize a national seminar and International seminars
- Better academic environment.
- Promoting research.
- Effective student placement and training programme.
- Introducing more job oriented courses

EVALUATIVE REPORT OF THE DEPARTMENT BUSINESS ADMINISTRATION

1. Name of the Department & its year of establishment

Department of Business Administration: MBA 2000; BBA 2011

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

MBA (Post Graduation) with specializations in Marketing, Finance and Human Resources

BBA (Under Graduation) with specializations in Marketing, Finance and Human Resources

3. Interdisciplinary courses and departments involved

Management Information Systems taught by Mr S Sridhar, Department of **MCA**

Principles of Marketing for NB/NBMC/NPV/NZ by Ms. A Anthima of **BBA**

4. Annual/ semester/choice based credit system

Semester System and Choice Based Credit System (pending approval by the university) for **MBA**

Choice based credit system for **BBA**

5. Participation of the department in the courses offered by other departments

For MBA

- Mrs N Bharathi, the HoD, teaches Probability & Statistics and Operations Research for MCA students;
- Linear Programming and Operations Research for M.Sc Mathematics students
- Mrs T Udaya Sree, Lecturer, teaches Accounting for Managers for MCA students;

Web Designing, DBMS, General Studies & Food Technology for **BBA**

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	1	-
Associate Professors	1	1
Asst. Professors	2	3
Lecturers	4+5	1+5

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D, M.Phil etc)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
N. Bharathi	M.Sc (Stat), (M. Phil)	HOD & Associate Professor	Quality, Reliability, and Operations Research	14	Nil
A. Madhuri	MBA, M. Phil, NET, (P.hd)	Assistant Professor	Finance & HR	7	Nil
G. Sandeep Sinha	B.Tech, MBA, NET	Assistant Professor	Marketing, Finance & Logistics	4	Nil
Dr S Poorna Prabhat	MBA; B.Tech; Ph.D	Assistant Professor	Marketing & Finance	3	Nil
T Udaya Sree	MBA, M.Com	Lecturer	Finance & Marketing	6	Nil
D.Uma Kumari	MBA	Lecturer & HOD	Marketin g & HRM	7	Nil
G.Shravan Kumar Dutt	MBA	Lecturer	Marketing & HRM	16	Nil
Md.Shabana Begum	MBA, SET	Lecturer	Marketing & Finance	7	Nil
E. Theresa Rani	MBA	Lecturer	Marketing & Finance	2	Nil
A. Anthima	MBA, NET	Lecturer	Marketing & HRM	1	Nil

8. **Percentage of classes taken by temporary faculty - programme-wise information**

No Temporary Faculty (MBA/BBA)

9. **Programme-wise Student Teacher Ratio**
20:1 (MBA), 24:1 (BBA)

10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Nil

11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise**

Nil

12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

Nil

13. **Research facility / centre with**

- **state recognition**
- **national recognition**
- **international recognition**

14. **Publications:**

- * **Number of papers published in peer reviewed journals (National / International)**

a) **A. Madhuri** – National Level : 2

- * **Books with ISBN numbers with details of publishers**

a) A. Madhuri – National Level Publishers:

- Empowerment of Women in India–ISBN (978–81–848433–9–2), Regal Publications New Delhi, under the guidance of Mr.G. Srinivasa Rao (2014)
- Industrial Democracy and Workers Participation in Management ISBN (978–81–926819–5–8), Zenon Academic Publications Hyderabad, under the guidance of MR. G. Srinivasa Rao (2014)

b) Dr S Poorna Prabhat – National Level Publishers:

- Strategies for insurance marketing in India , international journal of multidisciplinary educational research, ISSN : 2277-7881; Impact Factor - 2.735; IC Value:5.16 ,Volume 3, Issue 7(3), July 2014.
- Indian insurance market-an overview , AEIJMR – Vol 2 - Issue 7 - July, 2014 ISSN - 2348-6724
- Impact of Information Technology---A study on employee responses in public and private hospitals of Hyderabad, Cosmos, International Journal of Management, Vol 3, No.2, Jan-Jun, 2014. ISSN: 2278-1218.
- Small and Medium Scale Industry Employees Satisfaction with Service Quality in Health Insurance, Globus, International Journal of Management

and IT, Vol 5, No.2, Jan-Jun, 2014. ISSN: 0975-721X.

- Impact of Globalization on Business - An Empirical Study, UGC Sponsored National Seminar, 2014 ISBN: 978-93-82163-51-0.
- A Study on Corporate Governance Importance in Financial and Banking Sector, UGC Sponsored National Seminar, 2015. ISBN: 978-2-12-345680-3.
- Women Rulz the World - A Study on Woman Directors, UGC Sponsored National Seminar at Acharya Nagarjuna University, Guntur, 2015.

15. **Details of patents and income generated**

BBA is self-financed course

MBA is self-financed course

16. **Areas of consultancy and income generated**

Nil

17. **Faculty recharging strategies**

MBA:

- Department faculty attended The Faculty Development Programme by IQAC (Internal Quality Assurance Cell) conducted by Andhra Loyola College.
- Faculty also attended International & National level Conferences, Seminars and Entrepreneur Orientation Program Workshops conducted by the Universities & Management Institutes of the AP State.

BBA:

- Faculty Development Programme by IQAC (Internal Quality Assurance Cell)
- 3 faculty members attended a workshop on Emerging trends in Financial Markets at PVP Siddhartha College, Vijayawada.

18. **Student projects**

MBA:

- * **Percentage of students who have done in-house projects including Inter-departmental**

100% – Mini Projects related to core subjects are done by the Students

- * **Percentage of students doing projects in collaboration with Industries / Institutes**

100% – Major Projects of the Academic Curriculum at the End of 2nd Semester, where every student must undergo Industrial training for Six weeks and must prepare a project report and submit the same for the Partial Fulfillment of MBA.

BBA:

- * **percentage of students who have done in-house projects including inter-departmental**

30% of NBBA students had done in-house projects on various topics like inventory management in Loyola VP's office, Attendance management in UG etc,....

- * **percentage of students doing projects in collaboration with industries / institutes**

100%- At the end of 4th semester, every student must undergo Industrial training for four weeks and must prepare a project report.

19. **Awards / recognitions received at the national and international level by MBA:**

* **Faculty**

- Mr Sandeep Govathoti secured 1st Rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015
- Dr Poorna Prabhat has been enrolled as Associate Member (Membership No.AM1601051) of The Institutions of Engineers (India) on 31 Aug, 2015 and placed in EL Division.
- Dr Poorna Prabhat has been enrolled as a member (Membership No. 160467) IAENG (International Association for Engineers) a non-profit international association for the engineers and the computer scientists
- Mrs N Bharathi secured 44th rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015
- Mrs.T.Udaya Sree secured 47th rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015

- * **Doctoral / post doctoral fellows** – NA

- * **Students** –

Ms Indira Priyadarshini and Ms Malavika of 2012-2014 batch received the Pratibha Awards 2014 from the State Government of Andhra Pradesh. The awards were presented by the Honorable Chief Minister Sri N Chandrababu Naidu

BBA:

- Ms A Anthima secured 13th Rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015.
- Mrs D Uma kumari secured 26th Rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015.
- Mrs.Md Shabana Begum secured 65th Rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015.
- Mrs. K. Monisha secured 110th Rank in the Acharya Nagarjuna

University Research Common Entrance Test (ANURCET), 2015.

- Mr G Shravan kumar secured 113th Rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015.
- Ms E Theresa secured 180th Rank in the Acharya Nagarjuna University Research Common Entrance Test (ANURCET), 2015.
- G. Shravan Kumar Dutt received the **Best Lyricists and singer** award for the Godavari pushkara song composition from the **State Government of Andhra Pradesh**. The award was presented by our **chief minister N. Chandra Babu Naidu**.

20. **Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any. Management Meet:**

The Department of MBA organized the prestigious management meet **MAGNALITE – 2K15** on March 19th and 20th, 2015.

Work shop: The Department conducted a **One Day Workshop** on “**Entrepreneur Orientation Program**” in **September 2015** with **Mr. G. Sudharshan, Consultant of MSME and NSIC, as the Resource Person**.

21. **student profile course wise**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage (%)	
		Male	Female	Male	Female
2009-2010	60	45	15	97	100
2010-2011	57	35	22	94	91
2011-2012	44	27	17	93	94
2012-2013	52	26	26	100	100
2013-2014	50	27	23	100	100
2014-2015	60	26	22	100	100
2015-2016	74	38	22	NA	NA
ABBA	44	34	9	68	80
NBBA	44	25	13	70	85
DBBA	36	28	5	92	100

22. Diversity of students

Name of the Course (refer question no. 2)	%of students from the College	% of students from the State	% of students from other States	% of students from other countries
ABBA	2.32%	95%	2.32%	0
NBBA	15.90%	90.91%	09.09%	0
DBBA	11.76%	91.18%	02.94%	5.88%

2009 – 2010	22%	76%	2%	-
2010 – 2011	5%	93%	2%	-
2011 – 2012	18%	82%	-	-
2012 – 2013	10%	88%	2%	-
2013 – 2014	12%	86%	2%	-
2014 – 2015	12%	96%	4%	
2015 - 2016	14%	95%	5%	

22. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

MBA: NIL

BBA:

- NBBA (31) – Border Security Force Qualified: 1,
- DBBA (36) - GREs,
- DBBA (11) – NMAT, SNAP, IBSAT,
- DBBA (5) – MAT

23. **Student progression**

Student progression	Percentage against enrolled
UG to PG	50%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	30%
Entrepreneurs	10%

24. **Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	01
from other universities within the State	04+05
from other universities from other States	Nil

25. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.**

No current staff awarded Ph.D during the assessment period.

27. **Present details about infrastructural facilities**

MBA:

- h) Library – Available (Titles:3118; Books: 5616; Journals: (International: 14; National: 36)
- i) Internet facilities for staff and students – Available (Broadband & WiFi)
- j) Total number of class rooms – 3
- k) Class rooms with ICT facility – 1
- l) Students' laboratories – NA
- m) Research laboratories – NA

BBA:

- a. Library :Available
- b. Internet facilities for staff and students: Available with 18 systems
- c. Total number of class rooms: 3
- d. Class rooms with ICT facility: 1
- e. Students' laboratories: 1
- f. Research laboratories: N.A.

26. Number of students of the department getting financial assistance from College.

31 Students are using subsidized lunch which is provided by college.

27. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

The faculty of the MBA & BBA Department did a study of the profile of the students applying to Andhra Loyola College and identified the needs of this group, especially the Soft – Skills and Intra Personal Development Exercises.

28. Does the department obtain feedback from

- d. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Nil

The Krishna University invites the members of the faculty of MBA department to participate in the Board of Studies meetings to discuss the papers and subjects to be included in the syllabus.

- e. **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Feedback from the students will be taken at the end of every academic year and necessary changes are suggested to the concerned faculty members.

- f. **Alumni and employers on the programmes and what is the response of the department to the same?**

They opined that the BBA programme is Knowledgeable which is enriching for future growth and opportunities'. The department has proud alumni who display a great sense of loyalty. Some of them take guest lecturers for the students and contribute in bringing industry experience to the classroom.

29. List the distinguished alumni of the department (maximum 10)

- 1. G. Shravan Kumar (1990-95)
- 2. Anthima (2010-12)
- 3. K. Monisha(2009-11)
- 4. E.Theresa Rani(2008-2010)

30. **Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

Seminars BBA dept:

- The Department conducted a Seminar on “**Changing Business models**” on 04th August 2014 with Mr. Ch. Rajesh, HOD of MBA, PB Siddhartha College as the Resource Person.
- The Department conducted Seminar on “**Capital Market Awareness**” on 09th September 2014 with Mr.Sumit Naik, Vice President of lotus Know wealth, as the Resource Person.
- The Department conducted Seminar on “**Importance of EntrepreneurShip**” on 18th September 2014 with Mr.M.Sai Chaitanya, Team Leader of AIESEC, as the Resource Person.
- The Department conducted a two day “**National level Management Fest** “on 29th and 30th January 2015. The Chief Guests for the event are Mr.Sudesh Kumar, RM (APSRTC) and Dr.T.Kutumba Rao, Senior Journalist.

Field trips:

- Students of the BBA Department went on an industrial visit to KCP Sugar Industries, Vuyurru.
- The students also visited Coco-Cola Beverages Limited, Atmakur.

MBA:

Seminar:

The department organized a Seminar on “**The Strategic Business Planning**” by **Mr. Samuel, Business Associate** from Netherlands.

Special Lectures:

The department organized a Special lecture on “**The Retail Industry**” by **Mr. Shashi Kiran, Associate Professor** from Management Institute of Kakinada.

Work shop:

The Department conducted a **One Day Workshop** on “**Entrepreneur Orientation Program**” in **September 2015** with **Mr. G. Sudharshan, Consultant of MSME and NSIC, as the Resource Person.**

The Workshop was initiated by giving a demonstration of significance of need for Entrepreneurship in India. Various opportunities are been introduced to encourage students in bringing out their involvement in Practical development. Videos are been presented giving information about different Government sources available to students for their secured career growth.

As the session went by students were directed to involve in workshop to construct and formulate the new innovative entrepreneur ideas as per the

process introduced by the government. Finally feedbacks were taken from students and faculty to ensure the commitment and encourage the development.

Field trips:

- Students of the Academic Year 2014 - 2015 were taken on an industrial visit to Lakshmi Steel Tubes and Pipes Pvt Ltd., Surampally
- The students also visited Medha Towers, an IT SEZ, Managed by L&T Hitec City, Kesarapally.

31. List the teaching methods adopted by the faculty for different programmes.

- LCD
- Lecture method
- OHP Projectors
- Video Seminars method
- Assigning Curricular Activity for Practical Knowledge
- Making students to learn by doing

32. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The department is meeting the objectives by maintaining effective pass percentage levels. The department is conducting seminars, industrial visits and internship projects.

- Continuous Internal Assessment
- Students Feedback Report
- Classroom Seminar Sessions
- Faculty Feedback Report
- Regular Department Meetings of faculty to take Stock and Plan

33. Highlight the participation of students and faculty in extension activities.

- Students of DBBA conducted motivational classes to 3rd, 4th & 5th class students of ALCAA school on 7th November 2014
- Sushan.R (DBBA11) won the first prize in the event Young Entrepreneur in a Management Fest conducted by Aditya Degree College.
- J.K.Yohan & M.Levi won the 2nd prize in the event HR in a Management fest conducted by Aditya Degree College.
- Ms.Haritha (NBBA 14) & Mr.Sai Teja (NBBA 29) won the first prize in the event Marketing.
- ABBA students participated in Swatch Bharath as part of College Extension Programme - AALANA under the banner “Krishna project.”

- several students donated blood at the blood donation camp organized by the college as part of the NSS activities.

MBA:

Students of Academic Year 2012 – 2013:

Participated in the Lab – to – Land Activity

Students of Academic Year 2013 – 2014 :

Participated in the Swachh Bharat Abhiyan

Participated in the Lab – To - Land Activity

Participated in the Vasani Eye Care Health Camp

Organized Fun and Entertainment Program for “The Little Sisters of the Poor” and Contributed Beneficial Fund Rs. 5000

Students of Academic Year 2014 – 2015 :

- Contributed Fund of Rs. 8000 to the Victims of Vizag Hud Hud Cyclone
- Mrs N Bharathi, H.o.D, along with several students donated blood at the blood donation camp organized by the college as part of the NSS activities.
- The students of the department participated in the drive organized by the Regional Transport Authority, Vijayawada to link the vehicle registration numbers with AADHAR

34. Give details of “beyond syllabus scholarly activities” of the department.

Conducting the activities like

Conducting the activities like

- Business Quiz
- Product launching
- JAM
- Case Analysis / Situation Handling
- Picture Analysis.
- Group Discussions
- Participated in the activities like
- Paper Presentation at National and International Level
- Seminars and Conferences at National and International Level
- Various inter – collegiate competitions by students

35. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- AICTE Approved and NAAC Accredited (MBA)
- UGC approved and NAAC Accredited (BBA)

36. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

Strengths:

- Resource Management
- Ability to train & motivate
- Time Management
- Periodical submission of progressive report.
- Effective Team Work

Opportunities:

- Good output for higher studies.
- Good future admissions.
- Better Choice for Industries.
- Expected Market Leaders can be Developed
- Chance for New Innovative Trends

Challenges:

- Versatility in Students Culture & Capability
- Demand of Business Market
- Changing Educational Norms
- Qualitative Placements
- Competition with Higher Management Institutions

Weaknesses:

- Students are from different streams.
- Some students lack communication skills.
- Less number of Faculty Members
- Time Constraint to improve the Communication Skills of students.

37. **Future plans of the department.**

- Already the department has signed **9 MOU's with different industries**. We are planning to get more MOU's which **increase the scope of placements**.
- Also planning to invite various companies to conduct On – Campus Recruitment Drives.
- Planning to make students industry ready.
- Planning to prepare the students for further studies.
- Planning to transform the students into entrepreneurs.

EVALUATIVE REPORT OF THE DEPARTMENT ETHICS AND RELIGION

1. Name of the Department & its year of establishment: **Dept Ethics and Religion, 2001**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B.A. B.Sc. B.Com. Degree)**
3. Interdisciplinary courses and departments involved:
Professional Ethics, Biblical Studies and Human Rights
4. Annual/ semester/choice based credit system : **Semester**
5. Participation of the department in the courses offered by other departments
Nil
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor		
Associate Professors		
Asst. Professors	3	3 (all – Unaided)

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
K. Job Sudarshan	MSc PhD)	Lecturer	Ethics & Psychology	16	Nil
Dr Mrs Leena Jessie (on leave)	M.A., Ph.D	Lecturer	Education	18	nil
Mr R. John	M.A. , MPhil	Coordinator	Social Work	5	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information **nil**
9. Programme-wise Student Teacher Ratio. **NA**
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled. **Non Teaching coordinator of Extensive activity - one**
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

None

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

None

13. Research facility / centre with
 - state recognition
 - national recognition **-NIL-**
 - international recognition

14. Publications: **Books Published and commercially sold**

- * number of papers published in peer reviewed journals (national / international)
nil
- * Monographs nil
- * Chapter(s) in Books nil

BOOKS

- * :Vedapatham vol 1. Pentatuech
- * Vol 2 Historical Books
- * Vol 3 NT History
- * Vol 4 Letters and Revelation
- * Edarilo Jaladharalu
- * Books with ISBN numbers with details of publishers:
- * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP

- * SJR
- * Impact factor – range / average
- * h-index

15. Details of patents and income generated **-Nil-**

16. Areas of consultancy and income generated **-Nil-**

17. Faculty recharging strategies : **Orientation Programme, Mentoring**

18. Student projects

1. **Extension work for all I year students;**

2. **Management of self help groups in Tsunami villages of Machilipatnam and Gudlavalleru Mandals, Krishna Dt**

3. **”DOVE” a student’s initiative under the aegis of the department, is active in visiting social welfare institutions and religious centers**

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes

19. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

None

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
All first and second year degree students					

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

24. Student progression

Student progression	Percentage against enrolled
UG to PG	25%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	none
from other universities within the State	100%
from other universities from other States	100%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. **none**

27. Present details about infrastructural facilities

- a) Library **Yes**
- b) Internet facilities for staff and students **Yes**
- c) Total number of class rooms **One**

- d) Class rooms with ICT facility **One**
 - e) Students' laboratories
 - f) Research laboratories
28. Number of students of the department getting financial assistance from College.
29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. **NA**
30. Does the department obtain feedback from
- l. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? **Yes Board of Studies Meeting**
 - m. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? **Yes**
31. alumni and employers on the programmes and what is the response of the department to the same?
32. List the distinguished alumni of the department (maximum 10)
33. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. : **Seminar organized with the following resources persons**

1. Prof. Y. Ashok Kumar ANU.

List the teaching methods adopted by the faculty for different programmes.

Lecture, PPTs

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Continuous feedback from students.

35. Highlight the participation of students and faculty in extension activities. : **Continues 1.Extension activity by all I year students reaching out to the children of the city in the evenings, helping with studies and other co curricular activities.**

2. The department is managing small loan programs for 8 self help groups

36. Give details of "beyond syllabus scholarly activities" of the department.: **Students being prepared for national level essay writing competitions**
37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths: The two staff members are experienced and versatile. Active in mentoring, psychological counseling and social service

Weaknesses: Student teacher ratio is weak.

Opportunities: If given enough freedom and class room interaction time, the students can be transformed into well adjusted citizens

Challenges: The syllabus and exams. Less number of teachers in the department

39. Future plans of the department.

Need to expand and enter more into extension activities like organizing self help groups in far flung rural areas.

The Department intends to lead small groups of students to the Koya villages in East Godavari district, for welfare and awareness creation tours.