



# ANDHRA LOYOLA COLLEGE

**AUTONOMOUS :: VIJAYAWADA - 520 008**

**Established : 1954**

A CHRISTIAN MINORITY COLLEGE WITH CONSTITUTIONALLY PROVIDED RIGHT OF ADMISSION  
(AN ISO 14001 : 2015 INSTITUTION)

THE ONLY COLLEGE IN BOTH THE TELUGU STATES TO HAVE BEEN RANKED AMONG  
THE TOP 150 COLLEGES BY NIRF SINCE THE INCEPTION OF THE RANKING IN 2017

SELECTED UNDER THE STAR COLLEGE SCHEME OF DBT AND FIST PROGRAMME OF DST, GOVT.OF INDIA  
SELECTED FOR ENHANCEMENT OF QUALITY AND EXCELLENCE UNDER RUSA BY MHRD, GOVT.OF INDIA

***INTERNAL QUALITY ASSURANCE CELL: 2019-20***

**A College Dedicated to All-Round Development of its Students**





# Andhra Loyola College (Autonomous)

VIJAYAWADA-520 008.

**Accredited in III Cycle at A+ Grade with a CGPA of 3.66 / 4.00**

Web: [www.andhraloyolacollege.ac.in](http://www.andhraloyolacollege.ac.in) e-mail: [contactalc@gmail.com](mailto:contactalc@gmail.com)

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## **1. Composition – NAAC Guidelines**

The Internal Quality Assurance Cell (IQAC) of the College is constituted with the following Members as per the latest NAAC guidelines

### **Composition**

Chairperson: Head of the Institution

A Few senior Administrative Officers

Three to eight Teachers

One Member from the Management

One/two nominees from local Society, Students and Alumni

One/two nominees from Employers/ Industrialists/ Stakeholders

One of the Senior Teachers as the Coordinator/Director of the IQAC

### **INTERNAL QUALITY ASSURANCE CELL: 2019-20**

<b>Name</b>	<b>Designation</b>	<b>Position</b>
<b>Fr. G. M. Victor Emmanuel S.J.</b>	<b>Principal</b>	<b>Chairman</b>
<b>Dr. G. Srinivasa Rao</b>	<b>Professor in Physics</b>	<b>Coordinator</b>
<b>Fr. Dr. A. Rex Angelo, S.J.</b>	<b>Vice-Principal (PG)</b>	<b>Management Member .</b>
<b>Fr. Dr. S. Melchior, S.J.</b>	<b>Vice-Principal (UG)</b>	<b>Senior Admin. Officer</b>
<b>Fr. Dr. N. Bujji Babu, S.J.</b>	<b>Controller of Exams</b>	<b>Senior Admin. Officer</b>
<b>Dr. Ch. Srinivasu</b>	<b>Professor in Physics</b>	<b>Academic Secy.</b>
<b>Dr. T. Srikumar</b>	<b>Professor in Physics</b>	<b>Dean of Sciences</b>
<b>Dr. R. Ravindra Bhas</b>	<b>Professor in Telugu</b>	<b>Dean of Humanities</b>
<b>Dr. A. Samuel Dayakar</b>	<b>Lecturer in Political Sc</b>	<b>Dean of Students</b>
<b>Mr. G. M. Srirangam</b>	<b>Lecturer in Zoology</b>	<b>Coordinator, NAAC/ RUSA/ NIRF</b>
<b>Dr. D. B. K. Kumar</b>	<b>Asso. Prof. in Chemistry</b>	<b>Director, CCLR</b>
<b>Dr. Ch. Srinivasa Rao</b>	<b>Asso. Prof. in Physics</b>	<b>Assistant CoE</b>
<b>Dr. B. Siva Kumari</b>	<b>Asso Prof of Botany</b>	<b>Coordinator, DBT Star College</b>
<b>Dr. B. Johnson</b>	<b>Lecturer in Physics</b>	<b>Member from PG</b>
<b>Rev. Fr. Dr. A. Francis Xavier, SJ</b>	<b>Director, ALIET</b>	<b>Educationist</b>
<b>Mr. K. Sreedhar</b>	<b>Secretary NRI College</b>	<b>Alumnus</b>

  
PRINCIPAL  
ANDHRA LOYOLA COLLEGE  
VIJAYAWADA-8.

**2. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:**

S.No	Plan of Action	Achievements/Outcomes
1	Induction Programme for the newly recruited faculty and faculty on probation organised on 01 June 2019.	Newly recruited faculty are exposed to the traditions, customs and practices of ALC. Talks and interaction programmes by senior faculty of the college on various topics like (i) the examination system in autonomy, (ii) characteristics of a good teacher, (iii) Ethos of ALC (Andhra Loyola College), (iv) techniques of teaching, (v) effective classroom management and (vi) role of a teacher in Autonomy.
2	Annual Orientation Programme for the faculty on 04-06-2019	Annual Orientation Programme for the faculty for the Academic Year 2019-20 is organised by the IQAC as a Workshop on “Assessment and Accreditation by NAAC in the New Format (Revised Accreditation Framework)” on 6th June 2019. Dr. K. Vijaya Babu, IQAC Coordinator, GDC Guntur and Dr. P. Anil Kumar, Academic Officer, APCCE delivered a talks on the “New Format NAAC”.
3	Procuring own Learning Management System (LMS) software.	Web based software and android based mobile application of LMS of Andhra Loyola College Viz., ALC-LMS is purchased and training programme for the faculty on the usage of the LMS is organised by IQAC with the help of the NAAC Coordinator and the Development Team of the software on 10-01-2020.
4	Preparation of Academic Calendar	Based on the inputs from the departments, the academic calendar for the Year 2019-20 is prepared by the IQAC covering various cocurricular and extracurricular activities. Most of the activities are organised on the dates proposed. Wherever the activities are not organised on the proposed dates, they are organised on other dates of convenience.
5	International Conferences	In order to expose the faculty of all the disciplines to the recent developments in their fields, a series of international conferences is proposed by the IQAC. Accordingly in collaboration with International Multidisciplinary Research Foundation (IMRF) five international conferences are held: a) ‘Innovations in Physics, Electronics & Chemistry’ on 21st and 22nd October 2019 by the Departments of Physics, Chemistry and Electronics, b) ‘Global History, Governance and Trends in Economics and Commerce’ on 24th and 25th October 2019 by the Departments of Economics, History, Political Science, Commerce and Business Administration, c) ‘Advances in Visual Communication, Library Sciences & Translation Studies in World Literature’

		<p>on 24th and 25th October 2019 by the Departments of English, Telugu, Visual Communication and Library Science,</p> <p>d) 'Advances and Applications in Mathematics, Statistics and Computer Science' on 01.11.2019 and 02.11.2019 by the Departments of Mathematics, Statistics and Computer Science, and</p> <p>e) 'Recent Trends in Botany, Zoology, Microbiology, Biotechnology' on 1st and 2nd November 2019 By the Department of Life Sciences.</p>
6	Introduction of New programmes of study	<p>Need assessment is done by IQAC along with NAAC coordinator and various departments on introducing new programmes of study for the academic year 2019-20 and accordingly four new Undergraduate programmes viz. (1) B.Sc., Hospitality and Hotel Administration, (2) B.Sc., Big Data Analytics, (3) B.Sc., Artificial Intelligence and (4) B.B.A., Logistics Management are started from the current academic year.</p>
7	Training Programmes for the Faculty & Students	<p>A number of training programmes on quality related matters are organised by various departments under the supervision of IQAC. The programmes include:</p> <p>(a) Workshop on the "Learning Management System" for UG &amp; PG Faculty on 10th January 2020 by Internal Quality Assurance Cell, (b) training Programme on Experimental Skills from 5th to 25th June 2019 for the newly recruited faculty members of the Department by the Department of Physics, (c) workshop for the teachers of Govt. schools in Krishna District on 22nd November 2019 to enlighten them about the projects to be exhibited by their students in the south Indian National Level Science Fair by the Department of Botany, (d) week long Workshop cum hands on training programme on "Introduction to Gaussian and AIM software" from 16th to 20th September 2019 by the Centre for Continuous Learning and Research (CCLR) in collaboration with DST-FIST, (e) UGC-sponsored two-day Workshop on Capacity Building for Teachers with the theme "Quality Enhancement of Teaching and Learning Through Innovative Pedagogical Tools" for the faculty of English on 12th and 13th March 2020, (f) Workshop on 'Career Development Skills – Need of the Hour' on 18th July 2019 by the Department of English and ELT Centre and (g) five-day Training Programme cum hands on experience on "the use of Gaussian in molecular dynamics" for the students in the month of September 2019 by Centre for Continuous Learning and Research.</p>

8	Revised CBCS:	In tune with the UGC LOCF (Learning Outcome based Curriculum Framework) and recent developments, the IQAC has suggested to revise and strengthen the present Choice Based Credit System which includes Internship, Life Skill Courses and Skill Development Courses in addition to the core courses, elective courses and foundation courses. Accordingly, the Boards of Studies of various departments resolved to propose new courses and the Academic Council ratified the resolutions. The new and revised CBCS has come into existence from this Academic Year.
9	Audit and Certification	Coordinated affiliation inspection by Krishna University, internal Academic Audit, External peer team visit and ISO certification. Coordinated by IQAC of the College, the teams visited the college and studied various academic and administrative activities.
10	Awareness of Student Satisfaction Survey:	Using google forms the survey is administered by IQAC on 20 multiple choice questions and one open ended question.
11	Feedback on Faculty	Feedback on faculty is taken from the students and is analysed. Fr Correspondent and Fr Principal conducted a review meeting with the faculty on feedback and directed the faculty about their strengths and weakness.
12	To conduct at least 4 IQAC meetings	Conducted 4 IQAC meetings on 27-05-2019, 20-06-2019, 17-10-2019 and 20-02-2020.

### **3. Significant Contributions made by IQAC during 2019-20:**

1. Interdisciplinary International Conferences: In order to expose the faculty of all the disciplines to the recent developments in their fields, a series of international conferences is proposed by the IQAC. Accordingly in collaboration with International Multidisciplinary Research Foundation (IMRF) five international conferences are held: (i) 'Innovations in Physics, Electronics Chemistry' by the Departments of Physics, Chemistry and Electronics, (ii) 'Global History, Governance and Trends in Economics and Commerce' by the Departments of Economics, History, Political Science, Commerce and Business Administration, (iii) 'Advances in Visual Communication, Library Sciences Translation Studies in World Literature' by the Departments of English, Telugu, Visual Communication and Library Science, (iv) 'Advances and Applications in Mathematics, Statistics and Computer Science' by the Departments of Mathematics, Statistics and Computer Science, and (v) 'Recent Trends in Botany, Zoology, Microbiology, Biotechnology' by the Department of Life Sciences. The IQAC proposed, coordinated and monitored these five interdisciplinary international conferences by various departments.

2. Introduction of New Programmes of Study: Need assessment is done by IQAC along with NAAC coordinator and various departments on introducing new programmes of study for the academic year and accordingly four new Undergraduate programmes viz. (1) B.Sc., Hospitality and Hotel Administration, (2) B.Sc., Big Data Analytics, (3) B.Sc., Artificial Intelligence and (4) B.B.A., Logistics Management are started from the current academic year.

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4. Training Programmes: A number of training programmes on quality related matters are organised by various departments under the supervision of IQAC. The programmes include: (a) Workshop on the "Learning Management System" for UG & PG Faculty on 10th January 2020 by Internal Quality Assurance Cell, (b) training Programme on Experimental Skills from 5th to 25th June 2019 for the newly recruited faculty members of the Department by the

Department of Physics, (c) workshop for the teachers of Govt. schools in Krishna District on 22nd November 2019 to enlighten them about the projects to be exhibited by their students in the south Indian National Level Science Fair by the Department of Botany, (d) week long Workshop cum hands on training programme on “Introduction to Gaussian and AIM software” from 16th to 20th September 2019 by the Centre for Continuous Learning and Research (CCLR) in collaboration with DST-FIST, (e) UGC-sponsored two-day Workshop on Capacity Building for Teachers with the theme “Quality Enhancement of Teaching and Learning Through Innovative Pedagogical Tools” for the faculty of English on 12th and 13th March 2020, (f) Workshop on ‘Career Development Skills – Need of the Hour’ on 18th July 2019 by the Department of English and ELT Centre and (g) five-day Training Programme cum hands on experience on “the use of Gaussian in molecular dynamics” for the students in the month of September 2019 by Centre for Continuous Learning and Research.

5. Audit and Certification: Coordinated affiliation inspection by Krishna University, internal Academic Audit, External peer team visit and ISO certification. Coordinated by IQAC of the College, the teams visited the college and studied various academic and administrative activities.



#### 4. Quality Initiatives by IQAC for promoting Quality Culture

S.No.	Item/Title of the quality initiative by IQAC	Date	Duration in day	Number of participants / beneficiaries
1	Induction Programme for the faculty on probation (Teaching-Learning Methodology)	6/1/2019	1	28
2	Annual Orientation Programme: Workshop on “Assessment and Accreditation by NAAC in the New Format” and “Academic Planner Preparation” for UG & PG Faculty.	04.06.2019	1	225
3	Workshop on the “Learning Management System” for UG & PG Faculty.	1/10/2020	1	225
4	Academic & Administrative Audit by External Peer Team	3/9/2020	2	300
5	Participation in NIRF	4/4/2020	1	10
6	ISO Certification Visit	1/4/2020	1	150
7	Student Satisfaction Survey	3/22/2020	5	350
8	Feedback from Students on Faculty	3/22/2020	5	1050

## 5. Professional Development Programmes Attended by the Faculty to improve the Quality

S.No.	Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration in day
1	Communicating Research and Open-access Publishing	Rev Fr.G.M.Victor Emmanuel	17 <sup>th</sup> June, 2019.	22nd June, 2019	6
2	“Leading Catholic Universities in the 21 <sup>st</sup> Century”	Rev Fr.G.M.Victor Emmanuel	22 <sup>nd</sup> Sept 2019	27th Sept 2019	6
3	“Teaching and Learning for Sustainability”	Rev Fr.G.M.Victor Emmanuel	14 <sup>th</sup> Nov 2019.	20th Nov 2019.	7
4	“Teaching and Learning for Sustainability”	Mr.R.Vijaya Kumar	14 <sup>th</sup> Nov 2019.	20th Nov 2019.	7
5	“Teaching and Learning for Sustainability”	Dr.T.Sai Mamatha	14 <sup>th</sup> Nov 2019.	20th Nov 2019.	7
6	“Teaching and Learning for Sustainability”	Dr.L.Subha	14 <sup>th</sup> Nov 2019.	20th Nov 2019.	7
7	“Teaching and Learning for Sustainability”	Sri.P.Chenchu Babu	14 <sup>th</sup> Nov 2019.	20th Nov 2019.	7
8	“Teaching and Learning for Sustainability”	Sri C Ravindra Raju	14 <sup>th</sup> Nov 2019.	20th Nov 2019.	7
9	“Autonomous Colleges in India: The Road Ahead”	Rev Fr.G.M.Victor Emmanuel	7 <sup>th</sup> Jan 2020	8th Jan 2020	2
10	Teaching and Learning for Sustainability	Sri.P.Chenchu Babu	14 <sup>th</sup> Nov 2019.	20th Nov 2019.	7
11	NLP and Entrepreneurship	Ms.D.Tabitha	28 <sup>th</sup> Nov 2019.	30th Nov 2019	3
12	Gaussian and AIM Software	Dr.Y.Hanumantha Rao	16 <sup>th</sup> Sept 2019	20th Sept 2019	5
13	Artificial Intelligence and Machine Learning	Mr.B Balaji Bhanu	17 <sup>th</sup> June 2019.	22nd June 2019.	6
14	Internet of Things (IoT)	Mr.B Balaji Bhanu	18 <sup>th</sup> Nov 2019.	23rd Nov 2019.	6
15	Technology Adoption and implementation Towards Smart Society	Mr.B Balaji Bhanu	4 <sup>th</sup> Nov 2019	16th Nov 2019	13
16	Gaussian and AIM Software	Dr.G.Srinivasa Rao	16 <sup>th</sup> Sept 2019	20th Sept 2019	5
17	DAE-BRNS Computational Chemistry Symposium	Mr.KTSS Raju	7 <sup>th</sup> Nov 2019	9th Nov 2019	3
18	Computational Chemistry and Biology	Mr.KTSS Raju	9th Dec 2019	27th Dec 2019	19
19	Oracle PL/SQL	Mr.A.Lavanya	27 <sup>th</sup> Jan 2020	31st Jan 2020	5
20	Oracle PL/SQL	Mr.T.Kamalakar Raju	27 <sup>th</sup> Jan 2020	31st Jan 2020	5
21	Oracle PL/SQL	Ms.L.Nageswari	27 <sup>th</sup> Jan 2020	31st Jan 2020	5

22	Oracle Programming Using PL/SQL	Ms.L.Nageswari	24 <sup>th</sup> Feb 2020.	28th Feb 2020	5
23	Python Programming	Ms.K.Aparna	6 <sup>th</sup> Feb 2020	8th Feb 2020	3
24	Python Programming	Mr.GVS Narasimha	6 <sup>th</sup> Feb 2020	8th Feb 2020	3
25	Python Programming	Ms.A Sandhya Rani	6 <sup>th</sup> Feb 2020	8th Feb 2020	3
26	Materials Science and Applications	Dr.B.Johnson	26 <sup>th</sup> May 2019	1 <sup>st</sup> June 2019	7
27	Physics & Technology: Modern Sensors Characteristics, Interfacing & Programming	Dr.B.Johnson	7 <sup>th</sup> Nov 2019	9th Nov 2019	3
28	Block Chain-Essentials	Mr.P.Bhavani Shankar	10 <sup>th</sup> Dec 2019	11th Dec 2019	2
29	Foundations and Applications on Real Time Analytics and Security Challenges	Mr.P.Bhavani Shankar	6 <sup>th</sup> Jan 2020	11th Jan 2020	6
30	Communicating Research and Open Access Publishing (CROP 2019)	Dr.GA Prasad Rao	17 <sup>th</sup> June 2019	22nd June 2019	6
31	Triennial Conference of Xavier Board of Higher Education in India	Rev Fr Lourdu Raju	13 <sup>th</sup> Sept 2019	16th Sept 2019	4
32	Principles and Practices in Aquaculture	Mr.K.Ravi Sankar	6 <sup>th</sup> Jan 2020.	11th Jan 2020	6
33	Principles and Practices in Aquaculture	Ms.P.Geetha Madhurya	6 <sup>th</sup> Jan 2020.	11th Jan 2020	7
34	Principles and Practices in Aquaculture	Dr.A.R.S.Badarinadh	6 <sup>th</sup> Jan 2020.	11th Jan 2020	8

  
 PRINCIPAL  
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