



# ANDHRA LOYOLA COLLEGE

**AUTONOMOUS :: VIJAYAWADA - 520 008**

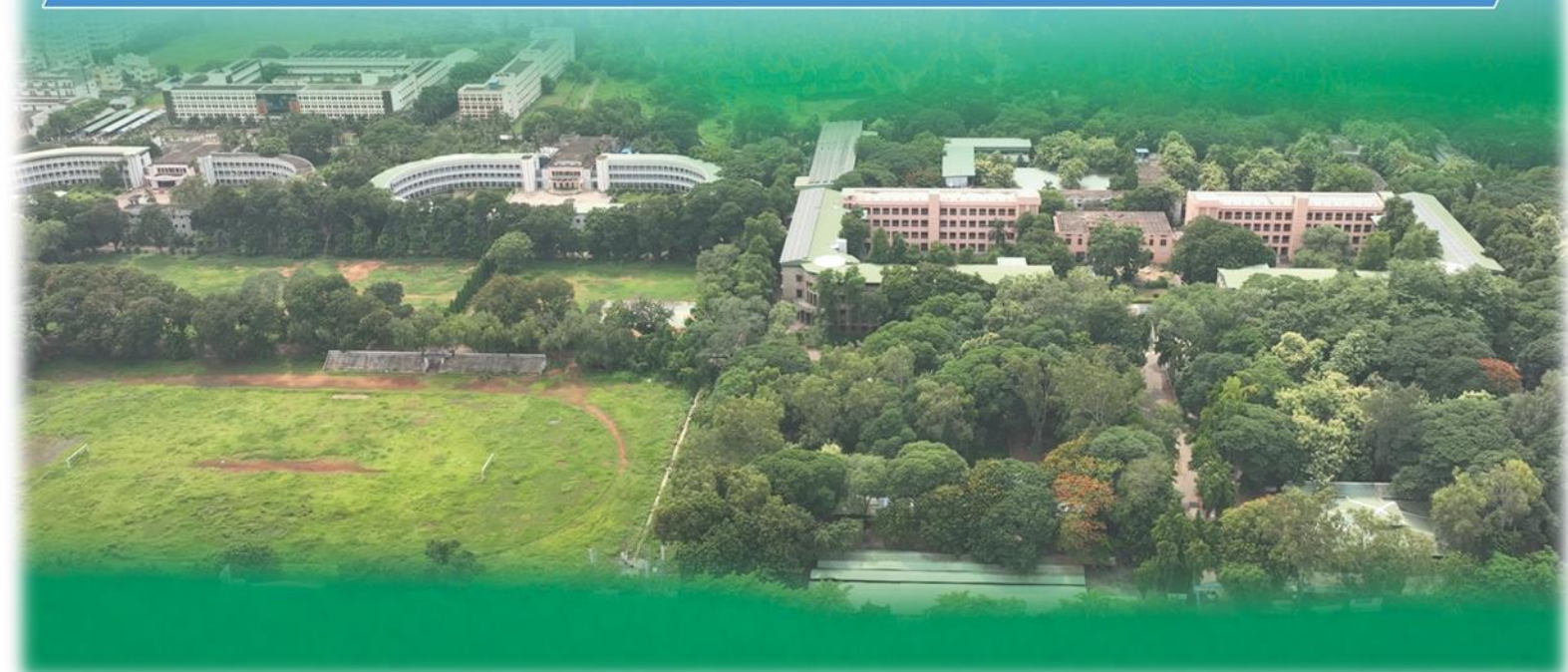
**Established : 1954**

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

**NGC – ECO Club - Activities**

**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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## NGC and ECO CLUB

**Purpose of NGC / ECO Club:** To motivate and stimulate young minds by involving them in action projects related to environmental conservation.

The purpose of an NGC (National Green Crops) or ECO (Environmental Conservation Organization) Club can vary depending on its specific goals and focus. Generally, these clubs aim to promote environmental awareness, conservation efforts, and sustainability practices.

Here are some common objectives

- **Environmental Education:** NGC or ECO Clubs often educate members and the community about environmental issues, such as climate change, pollution, habitat destruction, and biodiversity loss.
- **Conservation Projects:** These clubs typically undertake various conservation projects, such as tree planting, habitat restoration, beach cleanups, recycling initiatives, and wildlife protection efforts.
- **Promoting Sustainable Practices:** NGC or ECO Clubs advocate for sustainable living practices, including reducing waste, conserving energy and water, using renewable resources, and supporting eco-friendly products and technologies.
- **Community Engagement:** They may organize events, workshops, and campaigns to engage the community in environmental stewardship, fostering a sense of responsibility and empowerment among individuals.
- **Advocacy and Policy:** Some NGC or ECO Clubs engage in advocacy work, lobbying for environmental policies at local, regional, or national levels to promote conservation and sustainability.
- **Outdoor Activities and Recreation:** These clubs often facilitate outdoor activities such as nature walks, gardening, and bird watching to foster a deeper connection with the natural world.

## ACTIVITIES FOR THE YEAR 2018-19

*Members of the Committee: Chairman: Dr G A P Kishore SJ*

*Coordinator: Dr Balachadra*

### Activity-1

**World Environment Day:** June 5<sup>th</sup> 2018 NGC-Eco celebrated world environment day by the eco club members to the students. In the program the main topic is awareness on different types of Environment pollutions and preventions.

#### *Tree Planting Initiatives*



World Environment Day (WED) is celebrated annually on June 5th to raise awareness about environmental issues, promote global action, and encourage positive environmental stewardship. Established by the United Nations in 1972, World Environment Day serves as a platform for governments, organizations, communities, and individuals worldwide to come together and address pressing environmental challenges facing the planet.

Each year, World Environment Day focuses on a specific theme that highlights a critical environmental issue and provides a framework for action. Themes in recent years have included "Biodiversity," "Climate Change," "Air Pollution," and "Ecosystem Restoration." The chosen theme reflects current global environmental priorities and guides activities and initiatives undertaken on World Environment Day.

#### **Significance:**

World Environment Day holds significant importance in addressing the following environmental challenges:

- **Environmental Awareness:** World Environment Day raises public awareness about environmental issues, such as pollution, deforestation, habitat loss, and climate

change, fostering a deeper understanding of the interconnectedness between human activities and the natural world.

- **Global Action:** World Environment Day mobilizes individuals, communities, governments, and organizations to take collective action towards sustainable development and environmental conservation. It provides a platform for sharing knowledge, exchanging ideas, and catalyzing initiatives that promote environmental sustainability.
- **Policy Advocacy:** World Environment Day influences policy discussions and decision-making processes at local, national, and international levels, advocating for policies and regulations that protect the environment, promote biodiversity conservation, and mitigate climate change.
- **Community Engagement:** World Environment Day encourages grassroots activism and community participation in environmental protection efforts, empowering individuals to make a positive impact through small-scale actions and lifestyle changes.

### **Activities and Initiatives:**

World Environment Day is commemorated through a wide range of activities and initiatives organized by governments, NGOs, schools, businesses, and communities, including:

- **Awareness Campaigns:** Organizing awareness-raising events, workshops, seminars, and educational programs to inform the public about environmental issues and solutions.
- **Clean-up Drives:** Conducting clean-up campaigns in urban areas, beaches, forests, and water bodies to remove litter and waste, promote cleanliness, and prevent pollution.
- **Tree Planting Initiatives:** Planting trees and organizing tree-planting events to enhance green cover, combat deforestation, and mitigate climate change.
- **Policy Dialogues:** Hosting policy dialogues, conferences, and forums to discuss environmental challenges, share best practices, and develop strategies for sustainable development.
- **Community Projects:** Undertaking community-based projects, such as sustainable agriculture, renewable energy installations, and habitat restoration, to improve local environmental conditions and livelihoods.

### **Conclusion:**

World Environment Day serves as a global platform for promoting environmental awareness, fostering collaboration, and catalyzing action towards a more sustainable and resilient future. By engaging individuals and communities worldwide, World Environment Day inspires collective efforts to protect the planet and safeguard the well-being of present and future generations.

### **Get Involved:**

Join the global movement for environmental conservation and sustainability by participating in World Environment Day activities and initiatives in your local community. Whether it's organizing a clean-up drive, planting trees, or advocating for environmental policies, every action counts in making a positive impact on the planet. Together, let's celebrate World Environment Day and commit to preserving the beauty and diversity of our natural world

### **Activity-2**

**World Earth Day:** Celebration of Earth Day (April 22) in Andhra Loyola College campus and organized awareness on earth pollution and discussion about the prevention of Soil Erosion are the activities on this occasion by the Eco club members. Students keep their surroundings clean, not only to be self-conscious, but also to make all others aware.



World Earth Day is celebrated annually on April 22nd to raise awareness about environmental issues and promote actions to protect the planet. First observed in 1970, World Earth Day has since become a global movement uniting millions of people around the world in support of environmental conservation and sustainability.

Each year, World Earth Day focuses on a specific theme that highlights critical environmental challenges and encourages collective action. Themes often revolve around topics such as climate change, biodiversity conservation, pollution prevention, and

sustainable development. The chosen theme reflects current global environmental priorities and guides activities and initiatives undertaken on World Earth Day.

### **Significance:**

World Earth Day holds significant importance in addressing the following environmental issues:

- ***Climate Change:*** World Earth Day raises awareness about the urgent need to address climate change and its impacts on the planet, including rising temperatures, extreme weather events, sea-level rise, and disruption of ecosystems.
- ***Biodiversity Loss:*** World Earth Day highlights the importance of biodiversity conservation and the preservation of species and ecosystems essential for the health and well-being of humanity and the planet.
- ***Pollution:*** World Earth Day advocates for pollution prevention and waste reduction measures to protect air, water, and soil quality and mitigate the negative impacts of pollution on human health and the environment.
- ***Sustainable Development:*** World Earth Day promotes sustainable development practices that balance economic growth with environmental protection and social equity, ensuring a better quality of life for present and future generations.

### **Activities and Initiatives:**

World Earth Day is commemorated through various activities and initiatives organized by governments, NGOs, schools, businesses, and communities, including:

- ❖ ***Environmental Education:*** Hosting workshops, seminars, and educational programs to raise awareness about environmental issues and empower individuals with knowledge and skills to take action.
- ❖ ***Community Events:*** Organizing rallies, marches, festivals, and eco-friendly activities that bring people together to celebrate nature, promote environmental conservation, and advocate for sustainable lifestyles.
- ❖ ***Clean-up Campaigns:*** Conducting clean-up drives in neighborhoods, parks, beaches, and waterways to remove litter and waste, improve environmental hygiene, and protect ecosystems.
- ❖ ***Tree Planting:*** Planting trees and organizing tree-planting events to enhance green cover, combat deforestation, sequester carbon dioxide, and create habitat for wildlife.

- ❖ **Advocacy Campaigns:** Engaging in advocacy efforts to influence policymakers, mobilize public support for environmental legislation and regulations, and hold corporations and governments accountable for their environmental impacts.

### **Conclusion:**

World Earth Day serves as a global platform for raising awareness, inspiring action, and mobilizing efforts to address environmental challenges and create a more sustainable and resilient planet. By joining together in solidarity and commitment, we can make a positive impact on the health of the Earth and secure a better future for all life forms.

### **Get Involved:**

Participate in World Earth Day activities and initiatives in your local community or online. Whether it's planting a tree, attending an environmental workshop, or advocating for sustainable policies, every action counts in protecting and preserving the Earth for future generations. Together, let's celebrate World Earth Day and reaffirm our commitment to caring for our planet.

### **Activity-3**

**World Water Day:** Celebration of Earth Day in the college campus organized awareness on Waste water management and students gave their ideas about smart usage of water without waste.



World Water Day is observed annually on March 22nd to raise awareness about the importance of freshwater resources and advocate for the sustainable management of water. Initiated by the United Nations in 1993, World Water Day serves as a platform to address global water challenges and promote actions to ensure universal access to clean water for all.

Theme:

Each year, World Water Day focuses on a specific theme to highlight different aspects of water management and conservation. Themes in recent years have included "Water and Climate Change," "Water and Sustainable Development," and "Water and Jobs." The chosen theme often reflects current global water issues and encourages stakeholders to take meaningful actions.

### **Significance:**

World Water Day holds significant importance in addressing the following global water-related challenges:

- ***Water Scarcity:*** Many regions around the world face water scarcity due to population growth, climate change, and inefficient water management practices. World Water Day raises awareness about the need to conserve water resources and implement sustainable water management strategies to address scarcity issues.
- ***Water Pollution:*** Pollution from industrial discharge, agricultural runoff, and improper waste disposal contaminates freshwater sources, jeopardizing human health and ecosystem integrity. World Water Day emphasizes the importance of protecting water quality and implementing measures to prevent pollution.
- ***Access to Clean Water:*** Millions of people lack access to safe and clean drinking water, leading to waterborne diseases and socio-economic disparities. World Water Day advocates for universal access to clean water and sanitation services, highlighting the importance of achieving Sustainable Development Goal 6 (SDG 6) of the United Nations' 2030 Agenda.

### **Activities and Initiatives:**

World Water Day is commemorated through various activities and initiatives at local, national, and international levels, including:

- ***Awareness Campaigns:*** Organizations, governments, and communities organize awareness campaigns, workshops, and educational events to inform the public about water-related issues and encourage water conservation practices.
- ***Policy Advocacy:*** Policymakers and stakeholders use World Water Day as an opportunity to advocate for policies and regulations that promote sustainable water management, improve water infrastructure, and ensure equitable access to water resources.
- ***Community Engagement:*** Local communities participate in clean-up drives, river restoration projects, and water-saving initiatives to contribute to water conservation efforts and foster community resilience.



- **Research and Innovation:** Researchers, scientists, and innovators showcase advancements in water technologies, desalination, wastewater treatment, and water reuse to address water challenges and enhance water sustainability.

World Water Day serves as a global platform to raise awareness, inspire action, and foster collaboration towards achieving water security and sustainability. By addressing water scarcity, pollution, and inequity, we can ensure the availability of clean water for present and future generations, contributing to a healthier planet and prosperous society.

### **ACTIVITIES FOR THE YEAR 2019-20**

**Members of the Committee Chairman: Dr G A P Kishore SJ**

**Coordinator: Dr Balachandra**

#### **Activity-1**

**Collection of Plant waste material:** Eco club students clean and collected the plant waste materials like dry leaves and dry flowers and placed in the digged place with some water and cover with soil. After one week it was converted as compost and it was used for plants in the college.



The collection of plant waste material is an essential aspect of sustainable waste management practices, particularly in agricultural and horticultural settings. It involves the systematic gathering and removal of various organic residues generated from plant-related activities, such as pruning, trimming, harvesting, and landscaping. Proper collection and disposal of plant waste material are crucial for maintaining environmental hygiene, preventing pollution, and promoting resource conservation.

#### **Importance of Collection:**

- **Environmental Protection:** Collecting plant waste material prevents the accumulation of organic debris, which can attract pests, promote fungal growth, and create

breeding grounds for disease vectors. Proper disposal reduces the risk of environmental contamination and preserves ecosystem integrity.

- **Resource Recovery:** Plant waste material, such as leaves, branches, and crop residues, contains valuable organic matter and nutrients that can be recycled and reused. Collection facilitates the recovery of these resources through composting, mulching, or bioenergy production, contributing to soil fertility and sustainable agriculture.
- **Aesthetic Enhancement:** Regular collection of plant waste material improves the visual appeal of landscapes, gardens, and urban areas by maintaining cleanliness and tidiness. Removing unsightly debris enhances the aesthetic value of outdoor spaces and promotes community pride and well-being.
- **Fire Prevention:** Accumulation of dry plant debris, especially during hot and dry seasons, increases the risk of wildfires. Timely collection and removal of combustible plant waste reduce fire hazards and protect property and lives in fire-prone regions.

#### **Methods of Collection:**

- **Manual Collection:** Handpicking and gathering plant waste material manually is suitable for small-scale operations, home gardening, and delicate plant specimens. Workers use gloves, pruning shears, and rakes to collect leaves, trimmings, and other debris.
- **Mechanical Collection:** Mechanized equipment such as chippers, shredders, and mulchers are utilized for efficient collection and processing of large volumes of plant waste material. These machines shred or grind organic residues into smaller pieces for easier handling and disposal.
- **Curbside Collection:** Municipalities and waste management authorities offer curbside collection services for residential and commercial properties to pick up plant waste material along with other household or garden waste. Collected material is transported to composting facilities or green waste recycling centres.

#### **Best Practices for Collection:**

- ▶ **Segregation:** Separate plant waste material from other types of waste to facilitate recycling and composting. Segregation at the source ensures cleaner and higher-quality organic matter for processing.
- ▶ **Size Reduction:** Chop or shred bulky plant waste material into smaller pieces to accelerate decomposition and improve composting efficiency. Smaller particles have a larger surface area for microbial activity and nutrient release.

- ▶ **Composting:** Encourage composting of plant waste material on-site or through community composting programs to produce nutrient-rich compost for soil amendment. Composting diverts organic waste from landfills and reduces greenhouse gas emissions.
- ▶ **Safety Measures:** Use appropriate personal protective equipment (PPE) when handling plant waste material to prevent injuries and exposure to allergens or toxins. Maintain proper ergonomics and lifting techniques to avoid strains and accidents.

### Conclusion:

Effective collection of plant waste material is essential for maintaining environmental sustainability, resource efficiency, and public health. By implementing proper collection methods and best practices, we can manage organic residues responsibly, minimize environmental impacts, and harness the potential of plant waste as a valuable resource for agriculture and landscaping.

### Activity-2

**Plastic Management:** NGC-Eco club members and students planned for the collection of plastic covers and plastic bottles entire College campus. The iron cages placed in the campus to collect the all types of plastic bottles like water bottles, cool drink bottles for recycling.



**Management of waste plastic bottles:** some of collected plastic bottles were used for bottle gardening.

**Introduction:** Plastic bottles have become an integral part of modern life, used for packaging various beverages, household products, and personal care items. However, the widespread use of plastic bottles has led to a significant environmental challenge due to their improper disposal and slow decomposition rate. Effective management of waste plastic bottles is crucial to mitigate environmental pollution, conserve resources, and promote sustainability.

### **Challenges Associated with Waste Plastic Bottles:**

- ***Environmental Pollution:*** Improper disposal of plastic bottles leads to littering of streets, water bodies, and natural habitats, posing a threat to wildlife and marine ecosystems.
- ***Resource Depletion:*** Production of plastic bottles requires significant amounts of petroleum and energy resources, contributing to resource depletion and greenhouse gas emissions.
- ***Landfill Overflow:*** Plastic bottles occupy valuable landfill space and persist for hundreds of years, exacerbating the global waste management crisis.
- ***Microplastic Pollution:*** Degradation of plastic bottles into microplastics contaminates soil, water, and food chains, posing potential health risks to humans and wildlife.

### **Strategies for Effective Management:**

#### ➤ **Reduce**

- Encourage the use of alternatives such as reusable bottles made from glass or stainless steel to reduce the consumption of single-use plastic bottles.
- Advocate for the adoption of innovative packaging designs that minimize the use of plastic materials.

#### ➤ **Reuse**

- Promote the reuse of plastic bottles through refill stations and bottle deposit schemes to extend their lifespan and reduce waste generation.
- Support initiatives for creative upcycling of plastic bottles into useful products such as crafts, furniture, and construction materials.

#### ➤ **Recycle**

- Establish comprehensive recycling programs that facilitate the collection, sorting, and processing of waste plastic bottles into raw materials for manufacturing new products.
- Collaborate with local governments, businesses, and community organizations to improve recycling infrastructure and increase public awareness about the importance of recycling.

#### ➤ **Innovative Solutions**

- Explore advanced technologies such as chemical recycling and pyrolysis to convert waste plastic bottles into valuable fuels, chemicals, and feedstocks.

- Invest in research and development of biodegradable plastics derived from renewable sources as sustainable alternatives to conventional plastics.

### **Case Studies**

- ***Bottle Deposit Schemes (e.g., Germany):*** Implementing a refundable deposit on plastic bottles has significantly increased recycling rates and reduced littering, incentivizing consumers to return bottles for recycling.
- ***Plastic Bottle Recycling Initiatives (e.g., Japan):*** Japan has implemented innovative recycling technologies to efficiently process and reuse waste plastic bottles, contributing to resource conservation and waste reduction.

### **Conclusion**

The management of waste plastic bottles requires a multi-faceted approach involving reduction, reuse, recycling, and innovation. By implementing effective strategies and collaborating with stakeholders, we can mitigate the environmental impact of plastic bottles, conserve resources, and build a more sustainable future.

### **Recommendations:**

- Implement Extended Producer Responsibility (EPR) policies to hold manufacturers accountable for the lifecycle of their products, including plastic bottles.
- Invest in public education campaigns to raise awareness about the environmental consequences of plastic bottle consumption and promote sustainable alternatives.
- Encourage government incentives and subsidies to support the development of recycling infrastructure and incentivize the adoption of eco-friendly packaging materials.
- Foster partnerships between governments, businesses, NGOs, and academia to foster innovation and drive progress towards a circular economy for plastic bottles.

### **ACTIVITIES FOR THE YEAR 2020-21**

**Members of the Committee: Chairman: *Dr G A P Kishore SJ***

**Coordinator: *Dr Bala***

**Committee members: *Dr M Usharani, Dr K Sai Bhavani, Dr Kalpana***

For 2020-21 Events: COVID 19 – No activities

### **ACTIVITIES FOR THE YEAR 2021-22:**

**Members of the Committee: Chairman: *Dr G A P Kishore SJ***

**Coordinator: *Dr D Bala***

**Committee members: *Dr M Usharani, Dr K Sai Bhavani, Dr Kalpana***

➤ **ECSM:** In the annual year 2021-2022 NGC/Eco club is opened Eco Club Student Membership (ECSM). The students of Chemistry (AC, NC, NP) were joined in the club for doing eco-friendly works and also share their thoughts about eco-friendly activities

- The students are joined as NGC-Eco Club members

S. No	Section and Roll No.	Name
1.	NC-04	Md. Rizwana
2.	NC-05	P.Pavani
3.	NC-12	M. Annesa
4.	NC-13	J. Jayanth
5.	NC-14	Hima Bindu
6.	NC-15	A.Deepika
7.	NC-16	Y. Phani
8.	NC-17	V. Nagul Meera
9.	NC-26	Madhu Shalini
10.	NC-39	L. Manoj Kumar
11.	NFC-06	H. Soumya Naga Sri
12.	NFC-15	D. Sasi Priya
13.	NFC-16	N. Ramya Lekha
14.	NFC-21	O. Sai Charan
15.	NFC-24	A. Jyothirmai
16.	NFC-25	P. Kedhar

17.	NFC-44	B. Lakshmi Nikhitha
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### **Activity-1**

- They started the preparation of Bio enzyme from fruit waste by adopting below process in sample model



1. **Preparation of Bio-Enzyme:** The process of preparation of bio-enzymes takes 3months of time. Bio-enzyme preparation was started on September 5<sup>th</sup>. Bio-enzyme will be catch up in December.

#### **Preparation:**

- ▶ We collected the waste of Custard Apple and Grapes.
- ▶ Re-usable water bottles and Jaggery were taken.
- ▶ Added one ratio of Jaggery into the bottle, three ratios of waste collected and ten ratios of water.
- ▶ Shaked well and left it for three months.
- ▶ The lid of the bottle is tightened properly.
- ▶ In the first month, for every day opened the lid of the bottle to release the gases up to 30sec.
- ▶ From the Second month we didn't open the lid of bottles.
- ▶ After completion of three months the waste gets settled down at the bottom of the bottle and the required liquid which will be in brown color will be formed.
- ▶ Filter the liquid from the waste and transfer it to a fresh glass bottle.
- ▶ It will be given to Agriculture department for checking of usage of bio-enzyme.

**Bio-Enzyme:** Bio enzymes play a significant role in promoting a healthier environment through various mechanisms and applications. Here are some key reasons why bio enzymes are important in environmental conservation:

- ***Biodegradation:*** Bio-enzymes are crucial in breaking down organic matter into simpler substances. They facilitate the decomposition of organic materials such as dead plants, animals, and other organic waste, contributing to nutrient recycling in ecosystems. This process helps maintain soil fertility and promotes the growth of new vegetation.
- ***Waste Management:*** Bio-enzymes are increasingly being used in waste treatment and management systems. They can degrade a wide range of organic pollutants found in wastewater, including oils, fats, proteins, and carbohydrates. By breaking down these pollutants, bio-enzymes aid in the purification of water and reduce the environmental impact of industrial and domestic waste.
- ***Remediation of Contaminated Sites:*** Bio-enzymes are employed in bioremediation strategies to clean up contaminated sites. They accelerate the degradation of hazardous substances such as petroleum hydrocarbons, pesticides, and heavy metals in soil and water, helping to restore ecosystems affected by pollution.
- ***Agricultural Applications:*** Bio-enzymes are utilized in agriculture to improve soil health and enhance crop productivity. They can break down organic residues in the soil, releasing nutrients that are beneficial for plant growth. Additionally, bio-enzymes contribute to the decomposition of crop residues, reducing the accumulation of plant pathogens and pests.
- ***Reduction of Chemical Usage:*** By harnessing the power of bio-enzymes, it's possible to reduce the reliance on synthetic chemicals in various environmental applications. This shift towards bio-based solutions minimizes the release of harmful substances into the environment, thereby promoting sustainable practices.

### **ACTIVITIES FOR THE YEAR 2022-23:**

#### **Activity-1**

1. **Preparation of Bio-Enzyme:** The process of preparation of bio-enzymes takes 3 months of time. Bio-enzyme preparation was started on September 5<sup>th</sup>. Bio-enzyme will be catch up in December.

**Bio-Enzyme:** Bio-enzymes have gained a lot of popularity in the recent years as they are organic cleaning solutions that are produced by fermentation of citrus fruits, jaggery and



water. The organic solution comprises good bacteria which produce enzymes to digest wastes, stains, soils and malodours.

### **Preparation:**

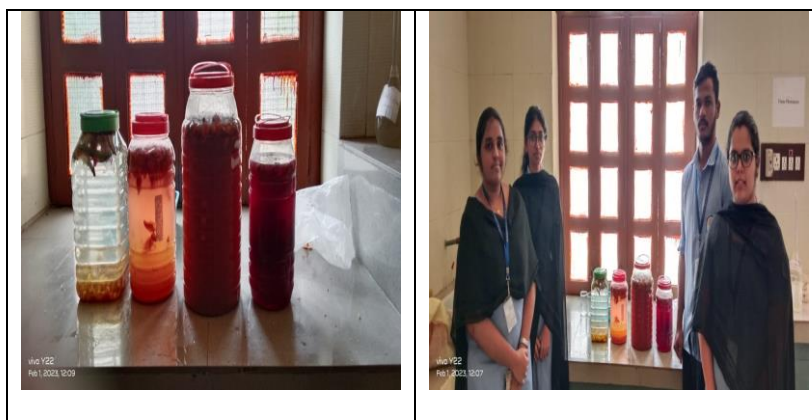
- ▶ We collected the waste of Vegetables and fruits
- ▶ Re-usable water bottles and Jaggery were taken.
- ▶ Added one ratio of Jaggery into the bottle, three ratios of waste collected and ten ratios of water.
- ▶ Shaked well and left it for three months.
- ▶ The lid of the bottle is tightened properly.
- ▶ In the first month, for every day opened the lid of the bottle to release the gases up to 30sec.
- ▶ From the Second month we didn't open the lid of bottles.
- ▶ After completion of three months the waste gets settled down at the bottom of the bottle and the required liquid which will be in brown color will be formed.
- ▶ Filter the liquid from the waste and transfer it to a fresh glass bottle.
- ▶ It will be given to Agriculture department for checking of usage of bio-enzyme.

## **Bio-Enzyme preparation in Bulk Amount**

### **Bio-Enzyme prepared from Vegetable waste and fruit waste**

Each member of eco club were prepared 15lit of bio-enzyme.

It will ready for April 30<sup>th</sup>.




### **Bio-Enzyme prepared from Flowers**



### **Bio-Enzymes Uses:**

- ▶ It can be used as organic fertilizer.
- ▶ It reduces the effect of Plants from pests.
- ▶ When the bio enzyme liquid is sprayed over the plant it gives proper growth to the plant and gives good crop.
- ▶ Bio enzymes can also be prepared from vegetable peels, fruit peel or waste and also from flowers.
- ▶ If it is being sprayed over the plant use 2ml for one liter.
- ▶ If it is being poured to the plant use 5ml for one liter.

  
PRINCIPAL  
ANDHRA LOYOLA COLLEGE  
VIJAYAWADA-8