

## Eco- Friendly Club – Plan of Action -- 2023-2024

- 1 Motivate the students to keep their surroundings green and clean by undertaking plantation of trees.
2. Promote ethos of conservation of water by minimizing the use of water.
3. Motivate students to imbibe habits and life style for minimum waste generation source separation of waste and disposing the waste to the nearest storage point.
4. Educate students to create awareness amongst public and sanitary workers, so as stop the indiscriminate burning of waste of which causes respiratory diseases.
5. Sensitize the students to minimize the use of plastic bags, not to throw them in public place as they choke drains and sewers, cause water logging and provide Breeding ground for mosquitoes.
6. Organize tree plantation programmes , awareness programme such as guest lecture , quiz and essay writing , painting competition regarding various environmental issues and educate students about re-use of waste material and Preparation of products out of waste.

### Overview: -

Eco-club is established in the college to motivate and stimulate our young minds towards the importance of Environmental protection and improvement. Major efforts are required to effectively spread the message of environmental conservation, so that the students are motivated to take active role in conservation. The teachers have a wonderful opportunity to create awareness, build attitudes and help students to take up activities.

### Vision

The club will be committed towards raising social awareness regarding environmental issues and changing student's attitude towards the environment by enlisting their active participation in club's activities.

### Mission

- To create awareness among the students to **Rethink, Refuse, Reduce, Reuse, Recycle**
- To inculcate proper attitude about environment and its conservation through action-based programmes
- To enhance students' participation in conservation of the micro environment
- To implement efficient solid waste management in the college
- To create awareness among the students to reduce the use of plastic in the community

### Objectives

- To create awareness and impart knowledge of biodiversity conservation and local environmental issues among students
- To create a 'clean and green consciousness' among students through various innovative methods.
- To develop skills of observation, experimentation, survey, recording, analysis, reasoning needed for conserving environment through activities.
- To make aware of proper attitudes towards environment and its conservation through action-based programs.

- To realize the issues related to environment through field visits.
- To promote logical and independent thinking as it will increase the spirit of scientific inquiry.

#### **Eco-Club Members: 2023-24**

<b>S.No</b>	<b>Name (Smt./Sri)</b>	<b>Designation</b>	
<b>1.</b>	<b>Smt.D.A.Kiranmayee</b>	<b>Lecturer in Zoology</b>	<b>Convener</b>
<b>2.</b>	<b>Smt.Ch.BeulahRanjani</b>	<b>Lecturer in Botany</b>	<b>Member</b>
<b>3.</b>	<b>Smt.Dilshad Begum</b>	<b>Lecturer in Chemistry</b>	<b>Member</b>
<b>4</b>	<b>Sri .R.V.Siva Rao</b>	<b>Lecturer in ENS</b>	<b>Member</b>
<b>5.</b>	<b>Sri. N.Rama Rao</b>	<b>Lecturer in Politics</b>	<b>Member</b>
<b>6</b>	<b>Smt.M.P.D Parimala</b>	<b>Lecturer in Physics</b>	<b>Member</b>
<b>7</b>	<b>Ms.S.Prabhavathi</b>	<b>Lecturer in Computer Science</b>	<b>Member</b>
<b>8</b>	<b>Sri.P.PanduRanga Rao</b>	<b>Office</b>	<b>Member</b>

- Students:**
- 1.Mr.B.Bhanu Prakash - II B.Sc(Aqua) -22-902**
- 2.Mr.A.Vamsi - II B.Sc(Aqua) – 22-903**
- 3.Ms.Ayesha Begum - II B.Sc BZC (EM) -22-506**
- 4.Ms.S.Vishnu Priyanka - II B.Sc BZC (EM) -22-509**

#### **Activities:**

- 1.Students exhibited different types of"Pathriplants"on the occasion of vinayaka chavithi.on 19-09-23.
2. On behalf of Eco friendly club members & Aquaculture students plants were donated to the Botanical Garden on 23-11-2023.
- 3, Students exhibited different types of"Natural Herbal colors"on the occasion of Holi. on 25-03-24

## 1. Activity: Vinayaka Cavithi

**Date:** 19-09-2023

**Report on Activity:** Ganesh Chaturthi, also called Vinayaka Chavithi, is an auspicious Hindu festival which is celebrated for 10 days every year. The festival is celebrated in the Bhadra month as per the Hindu calendar which generally falls in mid-August to September. It marks the birthday of the beloved elephant-headed Lord Ganesha. The excitement of Ganesh Chaturthi settles in weeks before the festival actually begins. Artisans start preparing idols of Ganesha in different poses and sizes. The Ganesha idols are installed in beautifully decorated 'pandal' at homes, temples or localities. The statue is also decorated with flowers, garlands and lights. The bidding farewell to Ganesha known as Ganpati Visarjan, a ceremony wherein the statue is now immersed in water

### ENVIRONMENTAL IMPACTS

1. **PLASTER OF PARIS:** PoP contains calcium sulphate hemihydrate, a material that takes anywhere between months and years to fully dissolve in water. It reduces oxygen levels in the water, killing the fish and other aquatic life.

2. **DECORATION ELEMENTS:** Items like cosmetics, paint, ornaments, clothes, etc. increases the amount of Heavy Metals like lead, nickel, cadmium, and mercury. Heavy Metals increases the acid content, affects the PH balance, Poisons fishes, birds and humans.

3. **FLOWERS AND OILY SUBSTANCES:** These substances raise the amount of organic and inorganic matter in water bodies and thus lead to water pollution.

4. **BEAUTY ARTICLES AND BAMBOO STICKS:** The big portions of these items accumulate and disrupt the flow of the river while smaller particles keep circulating with the flow of and settle at the bottom, thereby contributing to waste production and water pollution.

5. **PLASTIC AND POLYTHENE BAGS AND SIMILAR ITEMS:** These are hazardous materials and gravely disrupt and threaten aquatic life. The solid waste blocks the natural flow of water; which can cause stagnation and the breeding of mosquitoes and other harmful pests.

6. **EDIBLES:** These substances elevate the grease, oil and the organic content in water bodies thus contributing to the damage of marine life.

### IMPORTANCE OF ECO-FRIENDLY GANESHA IDOL

1. It is purely made up of natural products. Seed ganesha idols are infused with seeds which turn into plants after immersion & thus promoting mass to grow more trees.

2. It saves our water resources; the idols made up of harmful chemicals pollute water bodies. Whereas, idols made by soil and eco products are safe for the water bodies.

3. It saves water-living organisms, the immersion of idols made of harmful chemicals destroy lives of aquatic organisms.

4. It protects human health from unclean water.

5. The fake jewellery, sparkles & most of the decorative items contains metals which are harmful for human health as well as water bodies. Whereas idols made in an eco-friendly way does not harm nature in anyway.

6. It does not involve usage of plastics & thus, no further pollution to the water bodies

7. It is easy to make as there are so many alternatives to make eco-friendly Ganpati idol.

- **CERC ENVIS RP INITIATIVES**

- Last year CERC ENVIS RP demonstrated the method to prepare Eco-Ganesha using leaves. The objective is to protect environment and human from harmful effects of chemicals used in making Ganesha idols.
- This year we demonstrated the method of making ganesha idol using clayey soil and embedded seed inside. Seeds balls were prepared and distributed amongst the staff to promote to grow more trees. A video & a poster on the same was prepared and circulated on social media to make mass aware on importance of eco-friendly Ganpati celebration



We Celebrated Vinayaka Chavathi festival in our college



To exhibit different types of vegetables vinayaka idols



Students make Ganesha idol with tomatoes

**4. Activity:** Eco friendly club members & Aquaculture student's plants were donated to the Botanical Garden

**Date:** 23-11-2023

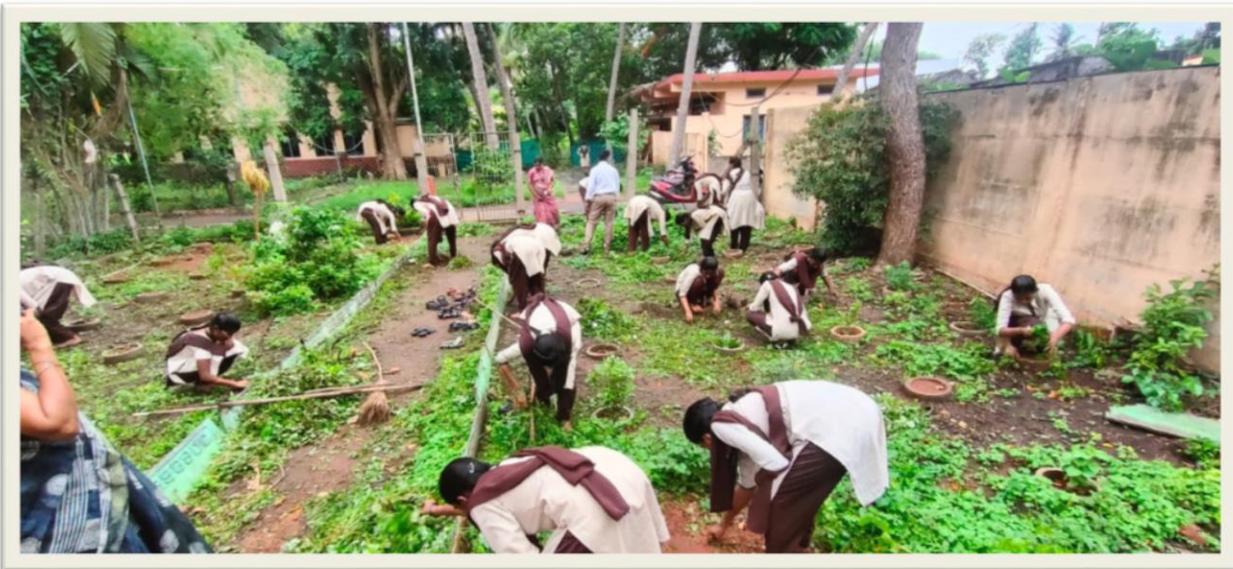
**Report on Activity:-**Eco Club members are took part in a tree plantation peogramme here on23-11-2023.The members of the club received over forty saplings from the Director and participated in the drive enthusiastically and helped each other to plant. Dr .V.Sreeram speaking on the occasion said that the objective of planting saplings was to increase the green surrounding, reduce pollution and provide natural food sources from the fruit trees to the coming generations. The saplings planted were mostly fruit bearing trees such as mango, Sweet Lemon , Panasa, blue berry (jambul), Lakshmana Phala, among others.



Sweet Lemon



Plantation our students and staff





Our student's plantation of collage campus



### 3.. Activity:Holi

Date: 25-03-2023

**Report on Activity:-**Holi is here and it is all about getting drenched in the colours and spirit of the much-awaited festival. But since we don't want to dampen the celebrations by harming the skin and health of our dear ones, we choose only safe, eco-friendly and organic gulal.

“But what if the so-called organic gulal does not come off as easily as it should, or even worse, has a reaction on the skin or harms the health of your loved ones? Then probably what you thought was organic is actually a fake harmful chemical colour,” says Nakul Pasricha, President, Authentication Solution Providers' Association (ASPA)

So how not to get misled into buying fake colours? Below, he shares some simple ways to identify fakes from original colours and make sure you are not cheated.

**Shiny particles are a giveaway** – If you are buying natural organic gulal then look closely at the colour, if there are shiny particles in the colour then it is not naturally produced. Natural holi gulals are made with turmeric or henna (mehndi) flowers such as Marigold, Chrysanthemum, Rose and have ingredients like gram flour or rice flour. None of these has shiny quality of particles. So, note that shiny particles mean chemical content.

**Don't fall for offers** – Many a time, attractive offers — freebies and discounts — are a Trojan Horse to sell fake or bad quality products. Good quality products might cost a few rupees more but will not cause harm to your health.

A little care and attention from your end while buying colours and products for Holi can save your loved ones and you from harm and health issues. Make sure that you get what you were promised and your Holi celebration colours are not faded by fakes.



Natural colors prepared by our students



Natural colors prepared by our students