

A.G.&S.G SIDDHARTHA DEGREE COLLEGE OF ARTS AND SCIENCE(AUTONOMOUS),
VUYYURU 521165, KRISHNA DISTRICT, ANDHRA PRADESH

(An Autonomous College in the Jurisdiction of Krishna University, Machilipatnam.)

Accredited by NAAC with "A" Grade

ISO 9001:2015 Certified Institution



ECO FRIENDLY CLUB

2018-19

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- Friendly Club – Plan of Action -- 2018-2019

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.

Eco-Club Members: 2018-19

S.No	Name (Smt./Sri)	Designation	
1.	Smt.D.A.Kiranmayee	Lecturer in Zoology	Convener
2.	Smt.Ch.BeulahRanjani	Lecturer in Botany	Member
3.	Kum. Ch.Jaya Sri	Lecturer in Physics	Member
4	Sri. N.Rama Rao	Lecturer in Politics	Member
5.	Smt.D.Suneetha	Lecturer in Maths	Member
6	Sri.P.PanduRanga Rao	Office	Member

Students: 1. B.Anka Babu (III BSc. BZC EM) 16-508

2. K.Subramanyam (III BZC- TM) 16-313

3. T. Pravallika (III B.ZC EM) 16-519

Activities:-

- Conducted a rally on Swatch Bharath Abhiyan on 27-01-18
- Conducted a rally on World Environment day the theme of “Beat plastic pollution” on 5-06-18.
- Students exhibited different types of”Pathriplants”on the occasion of Vinayaka Chavithi. and distributed clay idols on 12-09-18
- On behalf of Eco friendly club members & BZCstudents plants were donated to the Botanical Garden on 12-12-2018.

1. Activity: **Students awareness program to Swachh Bharath Abhiyan**

Date: 27-01-2018

Report on Activity:- The Second year BZC students along with the faculty of Eco Friendly Club have conducted a awareness program on Swachh Bharat on 27th January 2018 at the urban slum of areas , Pullatu katta ,Sundaram peta.

The program started at 10:30 am with an invocation by Dr.D.Balakrishna which was followed by a welcome address by Eco Friendly Club and a team of students.

Role of Students from Urban Areas in Swachh Bharat Abhiyan

- The educational authorities should step ahead to make a new rule under which there would be a mandatory class for every student in which they would be taught about the cleanliness, the benefits of cleanliness and the losses that meet due to lack of it. The authority should also ensure the presence of every student in that class.
- The students should be taught the healthy habits of sanitation and hygiene like brushing teeth twice a day, bathing regularly, cutting of nails regularly, washing hands before having meals, avoid eating unhealthy and stale food etc.
- The Students should also conduct several cleanliness drives in guidance of their teachers like cleaning of their class, school, mess, play-grounds and surrounding areas of their School.
- The Students should use dustbins for the disposal of their every single obsolete stuff and should also teach other students to do so.
- The students can also plan some plantation programmes in their free times in which they with their friends can plant several plants on nearby places of their School and also their house and society which are not in use.
- With the work of sanitation, students can also work of motivation by telling their parents, relatives and neighbours about these activities related to cleanliness that they have done in School and also about the benefit of cleanliness.
- The students can also fix a day of the week and declare that the cleanliness day on which they would spend their time on cleaning the areas surrounding them either in their locality or nearby their school.
- Clicking the photo of the spot before the cleanliness drive and after the cleanliness drive and publishing it on social media would also put a major impact on other people to bring some changes around them with the help of cleanliness.
- By keeping cleanliness in and around the School, students can convey a deep message to the society and I am very sure that it will not fail in making other people realizing the value of cleanliness and indulging other in the campaign.
- Littering everywhere especially in public places is the main problem Indian cities are suffering from so students can also take stand to cleaning these areas and decorate them in such a way that no other would dare to litter there anymore.



College principal addressing the students to make them aware of Swacha Bharat Abiyan



Girl's students rendering services in cleaning the college campus



Boy's students cleaning the roads around Vuyyuru



Boy's students are cleaning the weeds in the sports area

2. Activity: **World Environment day**

Date: 05-06-2018

Report on Activity:- Eco Friend Club organized celebrate World Environment Day. This year, the theme of the Day is “**Beat plastic pollution**” – a call for action for the world to work together to address one of the great environmental challenges of our time and raise global awareness of the need to reduce the heavy burden of plastic pollution on people’s health and the threat it poses to the environment and wildlife.

While the world has derived great benefit from the use of plastics, which have transformed people’s everyday lives, the negative ecological effects and adverse impact on health from their misuse and overuse cannot be overlooked. Plastic remains in the environment for a long time, it cannot biodegrade, only break down into smaller and smaller pieces.

When plastics decompose they release chemicals that are hazardous to health, the environment and wildlife. Some of the chemicals released when plastic-containing waste is burned are carcinogenic, such as dioxin – the common name for a group of toxic chemicals. Dioxin is toxic to humans and when inhaled through exposure to fumes can accumulate in the human body and be transmitted from mothers to babies via the placenta. Dioxin attached to dust also falls onto waterways and crops.

Plastic accounts for about 10% of all of the waste we generate which is not a surprise when one considers the following:

- Every year the world uses up to 500 billion plastic bags;
- Each year, at least 8 million tons of plastic end up in the oceans – the equivalent of a full garbage truck every minute;
- In the last decade, we produced more plastic than in the whole of the last century;
- 50% of the plastic we use is single use or disposable;
- We buy 1 million plastic bottles every minute.



Collected all the Waste plastic materials in the college campus and surrounding areas of Vuyyuru



Our college BZC students left for the rally on the occasion of World Environmental Day



Conducted an Awareness Rally in the streets of Vuyyuru



On the occasion of World Environmental Day, all the students organized Human-Chain at Vuyyuru center

3 . Activity: **Vinayaka Chatuthi**

Date: 12-09-2018

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



Ganesha Clay idols were distributed to all the staff members



Students are making a Ganesha Idol out of clay



On the occasion of students and staff started left for the rally

4 . Activity:

Eco friendly club members & BZC student's plants were donated to the Botanical Garden

Date: 12-12-2018

Report on Activity:-Eco Club members are took part in a tree plantation peograme here on12-12-2018.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 D.Bala Krishna 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, rambutan, chikku, blue berry (jambul), Lakshmana Phala, among others.



Donated different plants to the Botany Department



Smt Ch.Beulah Ranjani planting a plant in the college garden



Students watering the plants