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Mehdipatnam, Hyderabad.





CRITERION - VII

Institutional Values and Best Practices

7.1.5 Green campus initiatives

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7.1.5 Supporting Document

Green initiatives @ Eco club level

2018-19

The need for sustainable development is a key to the future of mankind. No citizen of earth can afford to be ignorant of burning environmental issues like pollution, loss of forests, solid waste disposal, and degradation of environment, global warming, and loss of biodiversity. It is now the need of the hour that we have a clear understanding of environmental concerns and is necessary to follow sustainable developmental practices.

Keeping this in view Courses on Science and Environment, Environment Management, Environment Education have been introduced into the curriculum.

We encourage and Conduct Survey projects and Research projects on Environmental issues.

Increase Collaborations and Networking with NGOs & Organizations like WWF

Environment Education is an Ability Enhancement course offered as Co-Curricular Activity program to first year students for two semesters on a choice basis.

This is a activity based course which encourages student participation in organizing as well participating in events such as plantation drives, cleanliness drives, Nature walks, Rallies, recycling activities, composting, promoting eco-friendly products, celebrating festivals in eco-friendly ways, creating awareness by way of organizing camps, essay writing competitions, quiz, debate, observing Eco calendar.

The course included sessions on

Paper bag making,

Sanitary pad disposal pouch making,

Plastic waste management, Upcycling plastic and e-waste sessions,

Demonstration of Kitchen waste composting in bins, pots and cardboards,

Sessions on Climate change Global warming

Session on Eco friendly alternatives to pesticides and cleaning agents

Session on Air purifiers and how to achieve Carbon neutrality

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Design Your Eco bag contest

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Design Your Eco bag contest was organised by the eco club on 03-07-2018. Bags were made using cloth, paper, gunny bag material, leaves, rice bags, old dupattas, old jeans etc. Lot of creativity and innovation was seen in the designing of the bags



Design your Eco Bag contest

Plantation Drive: The Adopt a Tree Campaign was initiated by WWF-India in 2005 with the aim of encouraging both individuals and organizations to plant and care for native species of trees. The programme was held on 14,15 and 16 th of Sep 2018. And our Eco club volunteers, 15 of them actively volunteered for this event and distributed saplings at 8Metro stations for three days (Nagole, Uppal, Tarnaka, Begumpet, Ameerpet, KPHB, JNTU and Miyapur)





Plantation Drive

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Guest Lectures

E waste Management

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Eco club collaborated with Green Waves Environmental solutions, a Waste Management Company for a Guest lecture on August 9th 2018.

Mr.Anil had highlighted the importance of electronic waste management, and how the youth should be actively involved in this awareness drive, so as to work collectively in recycling e-waste





Guest Lecture on Recycling of E Waste

Awareness Drives

E waste Management

Awareness on implication of dumping abandoned electronic waste along with the normal litter and better e-waste management by picking up e-waste at various points in St.Ann's College For Women was carried on 22 and 23rd January 2019

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E-Waste Management Drive

Awareness session on Menstrual Hygiene Practices

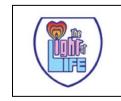
Eco club organised an awareness cum workshop session on November 9 th 2018 for all Environment Education students in St.Anns College for Women ,on Menstrual health and safe hygienic practices during menstruation by way of screening videos and by inviting Dr Arunmai ,member of Youth For Seva organisation ,who is a trained mentor in creating awareness on these isssues.



Awareness Session on Menstrual Hygiene Practices

An awareness programme on "Kitchen waste composting was organised on August 31,2018 to emphasize on the need for a clean and healthy environment i.e., garbage free city. Charts /Posters were displayed and videos were screened on segregation of wet and dry waste, how important is this step towards clean environment was emphasised.

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Kitchen Waste Composting

Seed Ball Making Activity

Seed ball making event was conducted on September 27th2018 in our college premises





Seed Ball Making Activity

Sale of Eco-Friendly Products

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Sale of Eco friendly Ganesha

Dharini Eco club organized a sale of clay idols in our college campus on September 13th2018 Also awareness was created on how bucket immersion of idols can protect our lakes from pollution and celebrating festivals in a eco friendly way was created through display of charts and posters.





Sale of Eco Friendly Ganesha

Making of Eco-friendly Bags with Newspaper:

Students of first year were trained to make Bags with old Newspapers. Malavika and Yashaswi from BZC final year, volunteer of Eco club trained the first-year students in their CCA class hours. These eco-friendly bags were used during sale of Clay idols in the college campus.

Pot Painting and Green corridor activity was organised on Sep 6th ,2018 to raise awareness among students on making our surroundings Carbon Neutral by planting saplings in painted mud pots in the corridors of the college.

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Green Corridor Activity

Upcycling Waste Materials

Beat Plastic Pollution" being the theme of the year, Upcycling of waste materials and plastic bottle crafts were done by the club volunteers int he month of July, August, September 2018 Plastic Oil cans were cut and designed into planters and painted beautifully Car Tyres were used to make Garden frogs

Mineral water cans and Soft drink bottles were used in crafting them into Wildlife like Giraffe And Elephant.





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Upcycling Waste Materials

International Kite Festival:As part of the celebrations Green waves Environmental solutions put up Dry waste collection stall at Secunderabad Parade grounds. Our students volunteered for the event and actively took part in collection of drywaste during the event and also creating awareness on clean surroundings.







Wellbeing Out of Waste: WOW bags were distributed to students and also faculty in various departments to collect Dry Waste. Collected waste is handed over to ITC Paper board for recycling.

Indian folk Art with Eco friendly messages:

Students of CCA Environment education made posters of Indian Folk Art with Eco Friendly Messages on 24th January 2019.

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Indian Fork Art Posters

Volunteering for Chiguru Event

Chiguru event is a festival to showcase the hidden talent in underprivileged children. 4000 children from 150 Seva kendras in the city participate in the event. On 16 th December, this event was organized by Youth for Seva At Pallavi international School Begumpet, Hyderabad.

30 volunteers of Eco club took part in this event by volunteering in organizing 15 different competitions during the event.





Student Volunteers Participating in Chiguru Event

SENSITISATION OF SPECTATORS ON WILD LIFEAND NATURE.

Hyderabad Golf Club organised a Painting competition on the occasion of International World Tiger's Day on 21st July 2018. Students of Eco club participated as Volunteers.

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Student Volunteers Participating in Painting Competition

EcoProjects:

CCA students of Environment Education are working on various projects like:

- ➤ Plastic Bottle Crafts: A group of 10 students from B. A and 10 students from B. Com F.T are worked on upcycling plastic bottles and converting them into useful and decorative items.
- > Preparation of Natural Colours: B.Sc NCB and MCB students 10 of them have prepare Natural colours from dry flowers, fruit peels, and other natural materials.
- ➤ **Kitchen waste composting:** Two groups of students from BZC &GCZ and GCM & BBC have worked on composting Kitchen waste using Carton Boxes, Khambha, Mud pots etc.
- ➤ Making Recycled Paper from used and old newspapers: B.Sc MPCs students five of them and B.Com Computer students are working on Making recycled paper using old and used papers.
- ➤ **Best out of Waste:** Students of B.Sc NCB and GCM have created useful items from junk and waste material.
- ➤ **Biodiversity project:** B. Com and BBM students have worked on this project wherein flora and fauna of a garden/zoo was clicked and identifi

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Green Campus Initiatives @ Departments/Clubs -Report

NSS

July 22nd – Planted saplings in college campus under "Telangana ku Haritha Haram" Program.





Haritha Haram in Campus

SEP 25th Volunteers Planted 25 saplings under Telangana Ku Haritha Haram program in Govt. school at Moinabad.





Haritha Haram in Govt. School

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Swachh Pakwada Rally was Organized on in the Santhosh Nagar Colony 27-09-18





Swachh Pakwada Rally

NCC

Swachh Bharat Abhiyan was done by 10 NCC Cadets at Bojagutta slum on 19-09- 2018





Swachh Bharat Abhiyan in Bojagutta

Swachh Bharat – **Cleaning of Mahatma Statue** was done by 32 NCC Cadets at Mehdipatnam Public Park. 32 cadets on 20-09-2018 in a nearby park, made an attempt to clean it. There was also a statue of Gandhiji in the park. The Cadets cleaned the surroundings, the statue and also gave awareness to the people in the park about the importance of cleanliness and need for it.

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Cleaning of Mahatma Statue

Energy conservation:

- Regular servicing of Electrical and Electronic equipment.
- Usage of voltage stabilisers for all the devices to avoid damage due to surge current and voltage fluctuations.
- Conducting an orientation program for all students on the safety norms to be followed while handling the Electrical equipment and highlight the significance of energy conservation.
- e-waste management:
- The department collaborates with Croma Stores, initiative of the ICT Centre and all the condemned Electronic, Electrical, and Computer related items are being sent for recycling/refurbishing.
- All the lecture notes, lab manuals, newsletters are made available online to the students and communication is sent using mobile apps, social networking sites. All the classes are organised as Google class rooms, where the students are updated constantly about the departmental activities, course work is posted, assignments are created using Google Quiz online evaluation is carried out and mailed to all the students which is part of the CIA-III. Online feedback mechanism, online Quiz using Google forms is being adopted by all the faculty members.

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GREEN INITITATIVES @DEPARTMENT LEVEL

Department of Nutrition

- 1. Use of chimneys/ exhaust in labs.
- 2. Kitchen waste generated during cookery practical is given for composting
- 3. All dry waste in the form of papers, books etc is given for recycling to eco club.
- 4. As part of green initiative green greetings as plant saplings are presented to guest faculty at the department for various events organised.

Department of Botany

Tree Plantation program under the banner of "Haritha Haram"

Conservation of Biodiversity: Conducted an awareness programme on issues related to Biodiversity and its Conservation. This activity was taken up at Sri Chaitanya High School, Santoshnagar Colony, Mehdipatnam. The main aim of this activity was to sensitize students on the importance of Biodiversity and their role as young citizens in conserving the same.





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A field trip was organized to Telangana Forest Academy, Dhulapally for II RCB/BZC students on 06-10-2018



Department of Microbiology

Efforts for Energy Conservation

Efforts for reducing consumption of electricity

Use of sunlight-electromagnetic radiation instead of artificial illumination for microscopy in the department.

Periodic Checks and cleaning of all Gas stoves and Bunsen burners in the laboratories.

Hazardous Waste Management

Biomedical & Chemical Waste generated and poor management of these can cause various health issues to individuals. Awareness among students and technical staff is continuously created to dispose it in safe manner by using Good Lab Practices.

Specimens, cultures and other biological material that are used in microbiology lab will be made into non-infectious before being discarded. Decontamination is carried out by chemical disinfectants and autoclaving. Decontamination by chemical disinfectants is usually done using Dettol. Discarded culture plates are generally autoclaved to ensure organisms in plates are killed.

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Discarding of biohazardous waste of haematology experiments is done by using HI media disposable bags.

Hazardous chemicals used like Ethidium bromide when used in molecular biology lab sessions are collected in plastic zip-locking bags and then discarded.

Videos related to hazardous waste management in microbiology lab are screened to students to create awareness and ensure safety

Posters are designed and displayed in lab related to same theme.

Plantation:

Saplings are gifted to all the departments as Green greetings on friendship day by Rotaract club and Department nurtures them.

Department has a regular feature of gifting saplings to resource persons who come for various activities organized and encourages increasing green cover of the city.

Use of ICT:

ICT Tool of Google forms were used for registrations and feedback to be collected for Two Day National Level Workshop and Competition Series on Molecular Biology Techniques in collaboration with E-Cell, IIT Kharagpur. This ensured reduced usage of paper during workshop organized by Depts. of Microbiology & Biochemistry

Department of Physics & Electronics

The departmental initiatives towards Energy conservation:

Regular servicing of Electrical and Electronic equipment.

Usage of voltage stabilisers for all the devices to avoid damage due to surge current and voltage fluctuations.

Conducting an orientation program for all students on the safety norms to be followed while handling the Electrical equipment and highlight the significance of energy conservation.

e-waste management:

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The Department collaborates with Croma Stores, initiative of the ICT Centre and all the Old ,unused Electronic, Electrical, and Computer related items are being sent for recycling/refurbishing. All the lecture notes, lab manuals, newsletters are made available online to the students and communication is sent using mobile apps, social networking sites. All the classes are organised as Google class rooms, where the students are updated constantly about the departmental activities, course work is posted, assignments are created using Google Quiz online evaluation is carried out and mailed to all the students which is part of the CIA-III. Online feedback mechanism, online Quiz using Google forms is being adopted by all the faculty members.

Department of Statistics

Dry waste collection

The faulty of the department is putting the efforts by training few student volunteers to create awareness about segregation of dry waste and wet waste. In turn these volunteers educate the other students by using charts.

The students and faculty collected around 80 kgs. of dry waste and gave to Dharani club of the college, and in turn given to ITC for recycling. This would reduce the cutting of trees, amount of chemicals and water used in paper manufacturing, contributing to the protection of environment.

e-Waste Disposal

Electronic - waste such as, floppies, CDs, mobile chargers and any other such items are being properly disposed by giving to Dharani club of the college

Department of Biochemistry

Out Reach Activity on Menstrual Waste Management

The Department conducted an Awareness programme on Menstrual Waste management- and Eco friendly alternatives for School students at Raidurgam Government High school

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Menstrual Waste Management - in our college

One day Training Session on Menstrual Hygiene Management was organised on 17th August 2018 by SUVIDHA initiative of MAMATA TRUST in Infosys Campus, Gachibowli



Training Session on Menstrual Hygiene Management

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Department of Zoology

Vermicomposting

With the help of student volunteers, the faculty gave introduction of vermicomposting to the under graduates students of our college and also to the school students of Bojagutta.

This is an awareness and training programme in organic farming using vermicompost. It is aimed at providing an awareness and hands on experience to the students to take up organic farming in their premises. The stall was also put in the college campus in the first week of August by the student volunteers to sell the packets of vermicompost at a very reasonable price and volunteers motivate the people to know the importance of vermicomposting.

SALE OF VERMICOMPOST - 'LIVOM'

The Vermicompost prepared in college is kept for sale in the campus for staff and students at reasonable prices. Sale of Vermicompost was organised on 8-8-2019





Sale of Vermicompost

Field Trips

A field trip was organized for III BZC & III RCZ students to "Nehru Zoological Park", Hyderabad on 19 January 2019.

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Nehru Zoological Park

A field trip was organized for I BZC & I RCZ students to "Mahavir Harina Vanasthali National Park", Hyderabad on 2nd February 2019.



Mahavir Harina Vanasthali National Park

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EFFECT OF VERMICOMPOST ON ALGAL GROWTH

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Comparision of Removal of Turbidity by Alum Sulfate and Velumbo Vacifera

Dr. Tanaren Jakon, Mrs. Javarin konneti. St. kons Cooleys for Women, Stelenbad. Telenposa Jakin

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St. Ann's College For Women (Autonomous) Mehdipatham, Hyderabad-28

Year 2018-19 Brochures and Notices

