

St. Ann's College For Women
(Autonomous), Affiliated to Osmania University,
Accredited 'A+' Grade by NAAC (3rd Cycle),
College with Potential for Excellence by UGC,
ISO 9001: 2015-ISO 14001: 2015
Hyderabad- 500 028



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Mehdipatnam, Hyderabad -500 028

GREEN AUDIT REPORT

2022-23



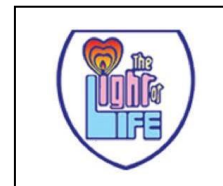
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Preface

The aim of education is not 'Knowledge' but 'Action'. Since Vedic times it is well understood that the well-being of our Planet Earth depends on the preservation and sustenance of the five basic elements or the Pancha Mahabhoota of Nature “Aakash, (Sky) Vayu, (Air), Agni (Fire), Jal (Water) and Prithvi (Earth)”. People of those times were careful to refrain from activities that could cause harm to Nature's bounties. But today the inappropriate human actions have altered the season's cycles, leading to Global warming and Climate change, polluting the air and surroundings. As educational institutions, colleges can play a pivotal role in pursuing environmentally sustainable solutions by adapting various green initiatives. Environmental awareness and protection are the need of the hour. Sustainability of Environment is the key to the future of mankind.

Green Audit is one such Green practice which can empower the organization to frame a better environmental performance. The Higher educational institutions in the country can promote the values of environmental education and awareness in several innovative measures to ensure sustainable practices among the students. The value of inculcating environmental knowledge to behave with positive attitude among youths provides ample number of opportunities for innovation in the field level.

Green audit practically involves energy conservation, use of renewable sources, rainwater harvesting, and efforts of carbon neutrality, plantation, hazardous waste management and E-waste management. This report serves to highlight the college accomplishments and to make recommendations for improving the college environmental sustainability. Green audit acts as a major tool for promoting good environmental management.

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About The College

St. Ann's College for Women came into being in 1983 with two undergraduate courses and 106 students. At present, the college has a strength of over 3000 plus students and 140 well qualified staff members, belonging to as many as 28 different departments. The College cuts social, financial, cultural and linguistic barriers. Being a missionary college, the effort is to foster a rich campus culture with academic excellence and skill enhancement. The college continues to grow in quality, impact and reach. The college offered itself for assessment by NAAC in the year 2006 ,2013 and 2018. The concerted effort towards quality goals culminated in the award of 'A+' grade and further recognition came as a 'College with Potential for Excellence', both the times.

The college strives to maintain an environment which encourages all employees to upgrade their personal and professional goals and aspirations as college works towards achieving the mission of the college. The college provides a work environment in which everyone, staff and students alike accept responsibility to contribute to the success of the institution and empowered to do so.

The faculty at St. Ann's is the most valuable resource that brings along an incomparable set of skills and knowledge. The faculty boost of varied backgrounds in terms of specialization and experience. The academic, social and spiritual elements of St. Ann's college come together to offer the students a world of opportunity

The college is in the initial stages of carrying out the Green Audit and Evaluation. Therefore, college follows institutional policy to conduct green audit. The purpose of the audit is to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution.



Green audit and evaluation of the college is taken care by the following committee;

Green Audit Committee:

Chairperson : Principal Dr.Sr.P.Amrutha

Convenor : Mrs. AM Sylaja, Eco-Club

Members : Mrs.Beverly , NSS P.O

Ms. Roja, Lecturer, Department of Botany

Mrs.Pranathi Lecturer, Department of Commerce

Mrs Poonam Lecturer, Department of Zoology

Mrs.Vasavi Lecturer, Department of Chemistry

Mrs.Jyothi Lecturer, Outreach Convenor

Green Audit Report

2022-23

Executive Summary

The prime objective of the audit was to evaluate the adequacy of the management control framework of environment sustainability and the degree to which the college is in compliance with the applicable regulations, policies and standards. During the planning of the audit, an analysis was conducted to identify and evaluate the matters associated with the environmental sustainability.

The methodology used includes physical inspection of the campus, review of the relevant documents and interviews.

Statement of Assurance

This audit has been conducted in accordance with the institutional policy. In our opinion sufficient and appropriate audit procedures were completed. The conclusions are based on a comparison of the situations as they existed at the time of the audit with the established criteria.



Observations

The important observations are, all the departments and students are aware about the need for environmental protection at a general level. It was also observed that a number of best practices such as rain water harvest pit, compost pit, vermi-compost, water purifier (RO), energy conservation, maintaining plants, tree plantation in the neighbouring community, Haritha haram (Govt. of Telangana initiative), Biogas plant, E – waste management, recycling of paper, encouragement to use eco-friendly material in the campus, etc. are followed.

A) Water Management:

The major source of water in the campus is municipal supply and also bore well. Wise use of water is general practice in the college. Aqua guard water filters are installed in all the floors for drinking purpose. Quality of drinking water is tested on a regular basis by Microbiology Department of the college.

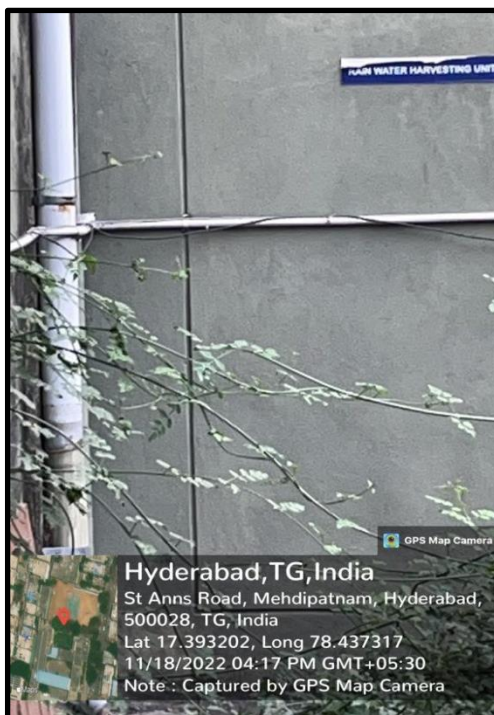
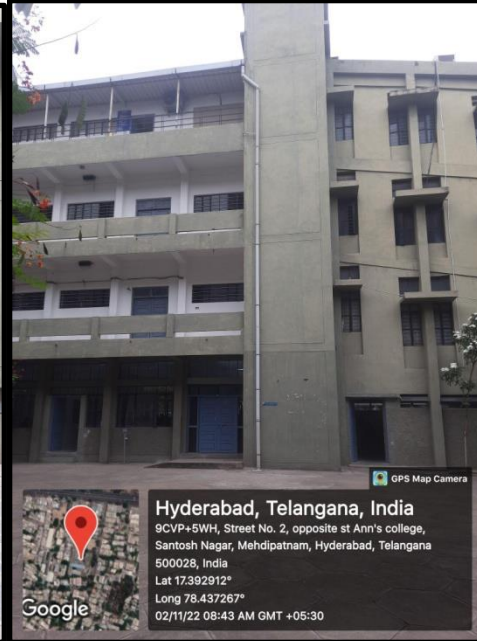
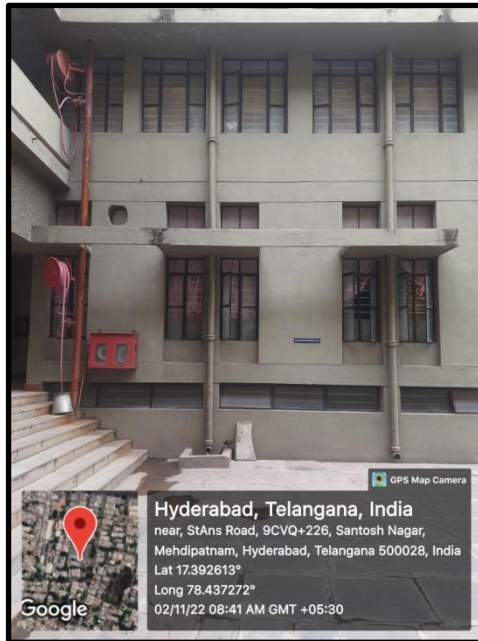
Rainwater harvesting pit is functional. College has two rain water harvesting pits which maintain the campus ecology. The rain water runoffs are prevented in the campus through strategic bunds to enable the rain water to seep into the ground, ensuring rainwater conservation. It has been observed that the ground water level in the campus has shown a significant rise indicated by the availability of bore water throughout the year.

Department of Botany and Eco club maintain and monitor the rain water harvesting project. Air quality testing is also done in various hotspots of the college by the department of Microbiology.

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Rain water Harvest Pit



Rain water Harvest Pit

Sprinklers

Sprinklers are used to water plants in the Garden to conserve water

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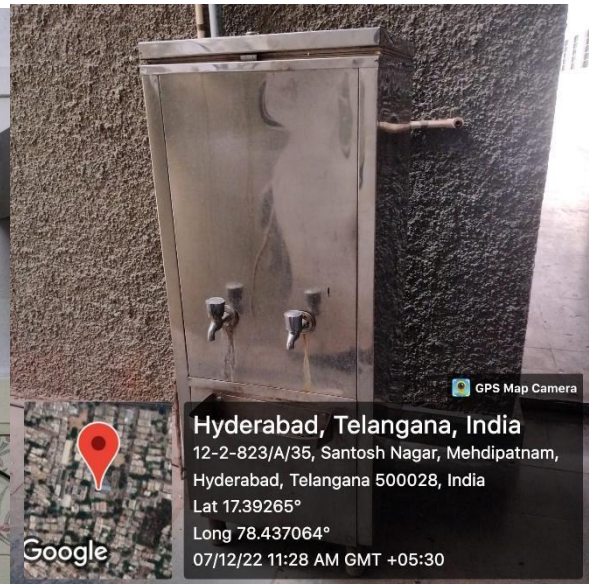


Borewell

RO Water Filter

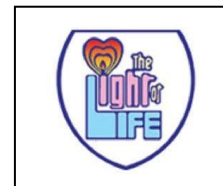


Stainless Steel Water Dispensers



RO Water Filter @ Nutrition lab 100% Chemical Free:

No chemicals such as chlorine, bromine or iodine are used for purification of water unlike other water purifiers, thereby making water safe and healthy for consumption..Activated



carbon cartridge and silver impregnated carbon filter removes all chemical impurities like chlorine, as well as maintain healthy colour and odour of the water.

Stainless Steel Water Dispensers are installed in every floor of the college:

Food grade stainless steel water tanks are safe to use. Plastic tanks may get BPA found which raises health safety concerns. Stainless Steel Water Dispensers are more Durable: Plastic water storage tanks are highly non-durable when compared to steel water Matka. Plastic coolers when dropped from your hand accidentally would break easily while steel water tanks may get dents while they would still be useful and provide a good return for money along with lifetime durability.

Most plastic water dispensers are made from recycled plastic. Though it is better for the environment to use recycled plastic – it causes a greater health risk. The chemical emitted from plastic water tanks may cause serious diseases like cancer. Above all – plastic tanks get faded colors over time. While polishing on stainless steel tanks be it glossy or matte remains as it for a lifetime. Also, cleaning and storing when not in use is easy for such steel-made dispensers.

B) Waste Management:

Land filling is the general hazardous waste management strategy adopted by few life sciences departments like Department of Genetics

Biogas Plant is located in the backyard of the campus. The gas generated is utilized for practical classes. Solid waste generated is used or sent for vermi composting maintained by the Department of Zoology. Kitchen waste generated in Nutrition lab is used for composting in bins.

Chemistry Departments has installed distillation units to recycle and reuse the organic solvents. Stockpiling of chemicals is avoided by using an inventory management system, avoiding long term storing and avoiding the storage of expired chemicals. Green chemistry and Micro-scale experiment concepts are adopted to reduce the production of hazardous wastes. The toxic chemicals are neutralized and diluted before discarding.

Biological waste from other science laboratories are made harmless through autoclaving and then disposed. Hazardous waste generated in life sciences labs is disposed off in a scientific manner.

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Department of Botany maintains the Botanical Garden of the college. The garden waste is converted into organic manure in an organic pit and is used as a biofertilizer in the botanical garden.

Used paper, Reagent bottles used in Chemistry and Biochemistry labs are given to vendors for recycling.

Production and sale of cloth bags at college and market places by volunteers of Eco Club and Chemistry Department.

Paper, Plastic and other dry waste is given for recycling to Greenwaves Environmental solutions. This is practiced by the departments of Biochemistry, Statistics, Nutrition, Zoology, Microbiology and Library.

Various awareness programs on segregation of waste, waste management have been organized both inside and outside the college like

Dry Waste is given for recycling

Eco club has trained students to segregate waste as dry and wet waste. Many campaigns, awareness programmes, invited talks, Guest lectures are organised to create awareness on the importance of Waste segregation. The twin bin system is being implemented in the college.

Regular Dry waste collection drives are organised and collected waste is given to Green Waves Environmental solutions for recycling. Eco club maintains a dry waste center where all the collected waste is stored and disposed of on a regular basis.



Eco club volunteers at Dry waste center



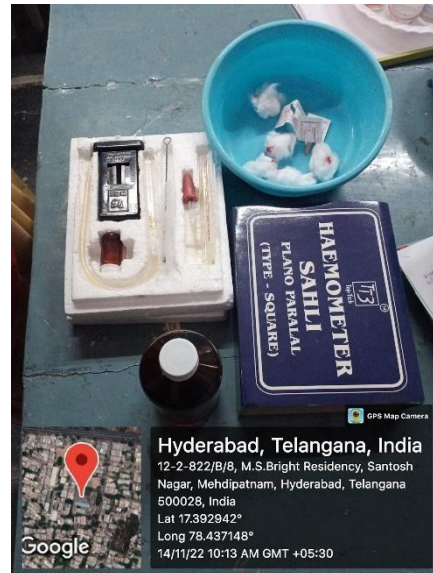
Biomedical waste disposal in Science labs

The collection of biodegradable waste involves use of different types of containers/bins. For example, all the waste sharp metals like the needles used for pricking the fingers are disposed in white bin, cotton contaminated with blood is disposed in yellow bin and the disposable gloves used by the faculty and students are disposed of in red bin. Sharp needles are kept in puncture-proof containers to avoid injuries and infection to the attenders and help staff handling them. Each container is clearly labelled to show what is supposed to go into it. The waste is disposed of on a daily basis and the bins are sanitized and used.

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Biomedical waste Disposal @ Zoology Lab



Autoclaving of used cultures before discarding @ Microbiology Lab



Biohazard disposal @ Microbiology lab



Activities conducted 2022-23

Eco club level activities

Sale of Eco-friendly Ganesha on 30th August, 2022

As a part of Eco Friendly initiative, Dharini Eco club in Collaboration with Green Waves Organisation has put up a stall for sale of Eco friendly Clay Ganesha idols in our college campus to create awareness of Eco friendly idols. Enlightened the students and faculty on how bucket immersion of idols can protect our lakes from pollution there by avoiding the use of chemically made POP idols. The event was successful as it has created an impact of environmental consciousness among the people. The students of Environment Education course volunteered in the sale of the idols.



Sale of Eco-friendly Ganesh



Paper Bag Making on 3rd November, 2022

Paper bag making activity was conducted where in the students were asked to prepare minimum 5 bags each using different kinds of paper like newspaper, Magazines and calendar's etc. students were assessed by there creativity and on time submission.



Making of paper bags

Sale of Biodegradable Sanitary Napkins on 17th November,2022

Menstrual Health and Hygiene is essential to the well-being and empowerment of women and adolescent girls. It's a fact that plastics have invaded our lives. In order to overcome the ill effects of chemical based Sanitary pads, APNA Green Products organization has come up with an eco friendly initiative of Bio degradable sanitary pads which are made of Corn, banana and bamboo waste which are skin friendly and chemical free. They have put up a stall

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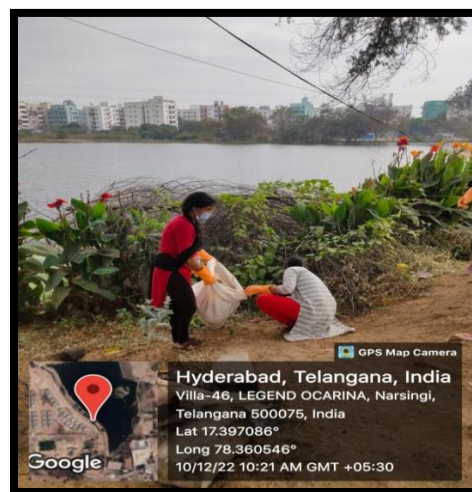
for the sale of Bio degradable sanitary pads in the college premises. The sale created a big impact on many of the faculty and students as they shifted from regular pads to biodegradable pads. The students of Environment education volunteered for the sale of the products.



Sale of Biodegradable Sanitary napkins

Lake Cleaning Drive on 10th December, 2022

As a part of Outreach activity, Dharani ECO Club, in collaboration with Druvansh NGO organised Lake cleaning activity at Mushki Cheruvu, Nanakramguda, Hyderabad on 10th December 2022 for B.Com I Year Students.



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Lake cleaning drive

Old cloth Collection Drive on 9th March, 2023

To create awareness on Upcycling of Waste among people old Cloth Donation drive activity was organized by Dharani ECO club and NSS team conducted a donation drive and collected old clothes The Student volunteers took initiative and collected old clothes and .The clothes collected were Handed over to **Green waves organization**.

The clothes which were collected weighed 200 kilograms approximately.



Green Initiatives @ Departments

Department of Physics and Electronics

A National Webinar on Energy Efficiency Systems on December 13th 2022

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The Department of Physics & Electronics has Organized A National Webinar On Energy Efficiency Systems on December 13 th 2022 in Collaboration With Institutional Innovative Council (IIC)



Centre for Women's Studies

Centre for Women's Studies, Department of Nutrition and SQAC organised Tree Plantation activity on 12th Dec, 2022

Smt. Radhika Jaiswal, Hon'ble Senior Civil Judge-cum-Secretary, Metropolitan Legal Services Authority, Nampally Criminal Court, Hyderabad, TS visited St. Ann's College and interact with students and inspire learners through a tree plantation programme.

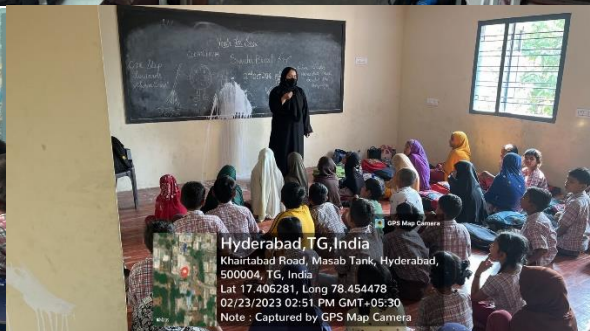
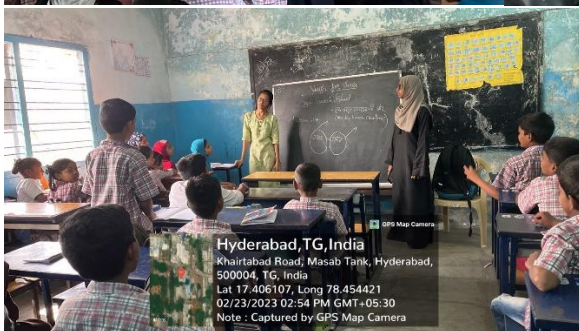
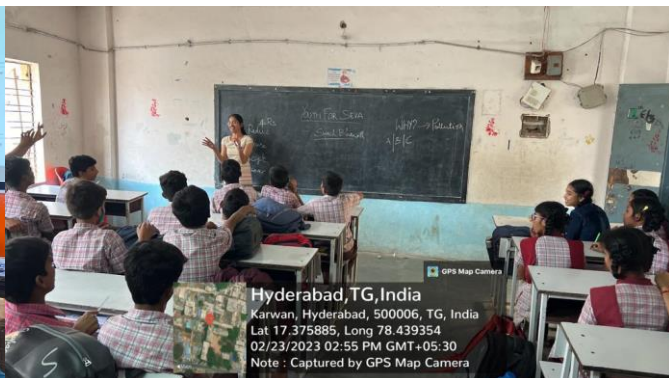
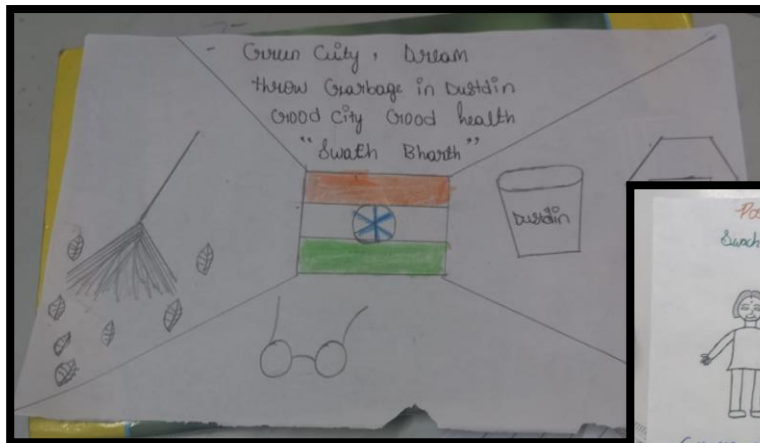
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Centre for Women's Studies organizes session to 7 govt school on Swachh Bharat (Clean India campaign) on 23th Feb, 2023

7 groups (55 no of students) of NGO Management students have taken session to 7 school about clean city and, how can we contribute to make your city clean on your side, what measures should be taken by government to keep the country clean. NGO Management students have organized poster competition on Swachh Bharat.

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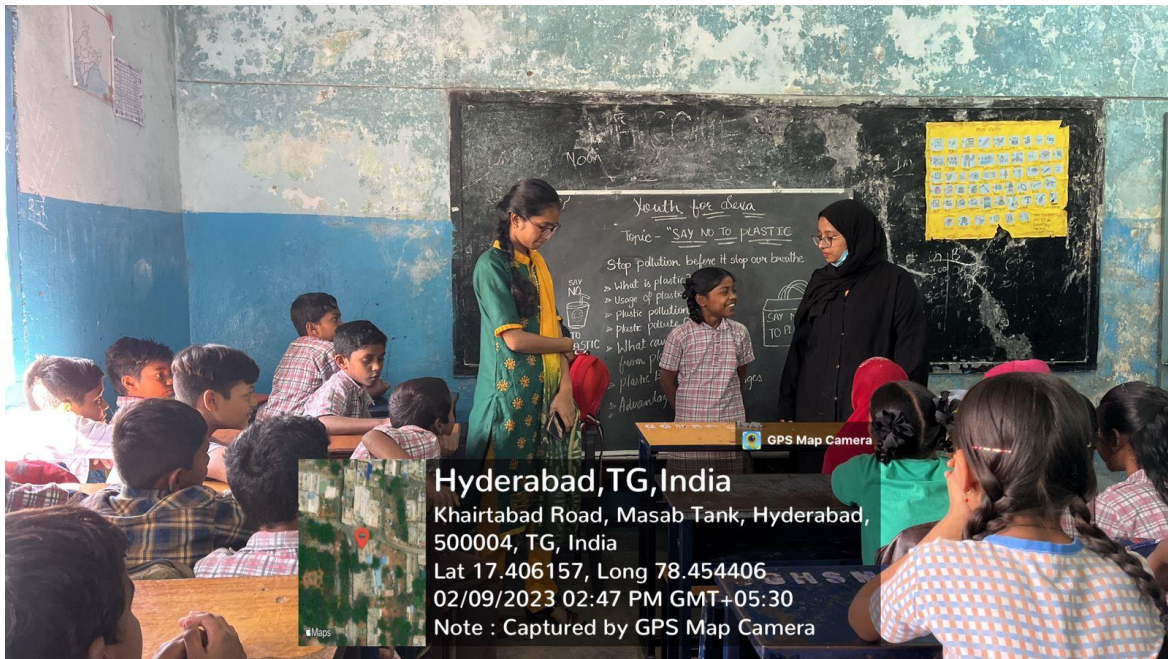


Centre for Women's Studies organizes session to 7 govt school on Say no to Plastic on 9th Feb, 2023

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7 groups (55 no of students) of NGO Management students have taken session to 7 Govt school about the banned plastic and informed on the types of plastic that should not be used and encouraged them to use eco-friendly carry bags. They discussed about the plastic pollution and its effect on environment and also discussed how it impacts on human health. Also discussed about how to reuse & recycle the plastic and use as waste to wealth in various ways. N Management Students educated the school students about the hazard of plastic use.



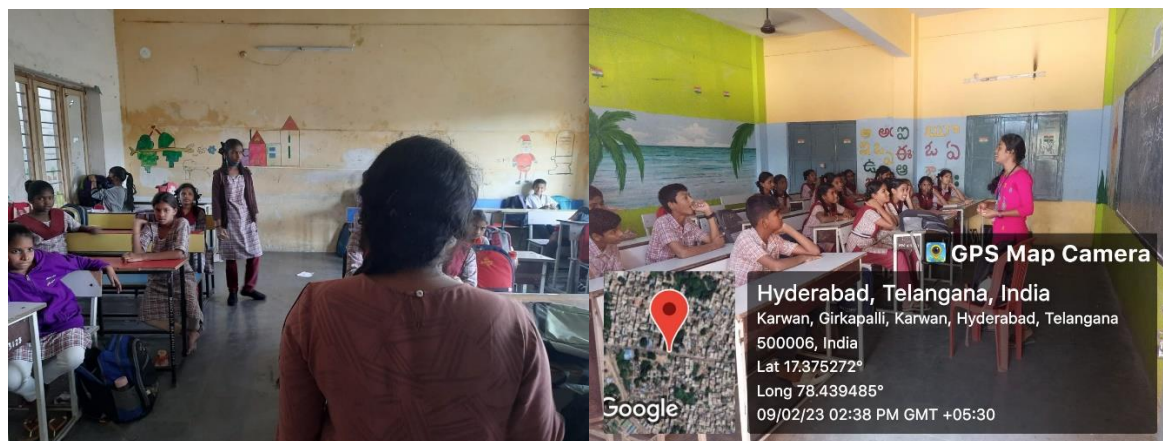
Centre for Women's Studies organizes session to 7 govt school on Pollution Control on 9th Feb, 2023

Centre for Women's Studies organizes session to 7 govt school by 7 group of students of St. Ann's College on Pollution Control on 9th Feb, 2023. The objective of the session was to bring awareness among the students about the Pollution Control and Environmental Science.

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The students of NGO Management spoke about the importance of environmental conservation and the ways that can be imparted in automobiles to reduce pollution and conserve the surrounding.



Centre for Women's Studies organises a guest lecture on Water Conservation on 8th December, 2022

Water is the most precious gift human ever got but in today's scenario. We are exploiting it not only in terms of quantity but also in terms of quality. The time is not far away from now when there will be no water. To make our students aware and discuss the need of hour, a guest lecture on water conservation was organized by Centre for Women's Studies. Ms. Husna, College coordinator, Youth for Seva NGO who emphasized on the use of water

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wisely and the need of such talks in present scenario of the country. Students were quite enthusiastic and they participated well in the questioning, afterwards. Students questioned about packaged water problems and methods of water conservation which were addressed generously by the speaker. There was a discussion organised by the faculties about the legal aspects of water pollution, water availability, scarcity of water and governmental policies.



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Department of Economics

Plantation at Aziz Nagar Govt. Primary School on 12_10_2022 by second year EPP, PEP, HEP organised by Economics Department.



Department of Political Science

Water Conservation Day

The Department of Political Science observed Water Conservation Day in the college by organizing activities such as taking pledge, chanting slogan and playing skits on water conservation on 22nd March 2022

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Under Department of Political Science, Dhvani Volunteers visited as a part of the extension activity

1. Visit to the Pottery Section
2. ICRISAT
3. Telangana Forest Academy
4. Water Conservation Day 22nd March 2023
5. Attending Seed Sowing Festival of Tangkhul, a Naga Tribe in Hyderabad in February 21, 2023

Department of BBM

The Department organised Green Challenges 2022 Activities:

- Get waste do best
- Eash on Plant one
- Plant in a nut

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BY NAAC (THIRD CYCLE) CPE BY UGC, MEDHAPATNAM, HYDERABAD-500028

Department of Business Management (UG)
- LEARN, LEAD, LEGACY -

#GREEN CHALLENGE 2022

GO GREEN Challenge

ACTIVITIES:-

- 1. Get waste do best:**
Collect plastic waste from the canteen or around campus and make best out of waste from it.
- 2. Each one plant one:**
Each one plant one is to plant a sapling in a small pot to spread the greenery and to protect our environment.
- 3. Plant in a nut:**
Collect the coconut shells and plant sapling in it or make any best out of waste through the shells.

Contact:- P. Akshaya (coordinator) | 7337505839

"Don't be greedy. It's time to start thinking greeny."

Let's do This



Department of Commerce- CHEER'S club and Eco-club organised Lake cleaning Drive on 10th Dec, 2022



నాక్షి

చెరువుల పరిరక్షణ ప్రతి ఒక్కరి బాధ్యత

చెరువులను పరిరక్షించాలని విద్యార్థుల ప్రయత్నం

చెరువు పరిరక్షణలో విద్యార్థులు

మాణిక్యం నగర పరిసరాల్లో చెరువుల పరిరక్షణకు ప్రతి ఒక్కరూ తమ చుట్టూ వున్న చెరువులను దృష్టి పెట్టాలి. సర్దుబాటు చేసే సరికొద్ద నిర్వాహకులు చుట్టూ ఉన్నారు. నార్మల్ గా ముగిసేటాటికి చితి దొరికి ముప్పై చెరువుల పరిరక్షణలో చిత్త తొలగింపు కార్యక్రమంలో పాల్గొన్నారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ, "చెరువులపై అధికారిక కమిటీని ఏర్పాటు చేయడం చెరువులను పరిరక్షించుకోవడానికై అవసరం ఉందన్నారు. చెరువు పరిరక్షణలో ఉన్న పాల్గొనే వారూ, చెరువు తొలగించి మొక్కలకు నీరు పోశారు. ఈ కార్యక్రమంలో కళాశాల అధ్యాపకులతో పాటు విద్యార్థులు పాల్గొన్నారు.

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DEPARTMENT OF COMMERCE (CHEER'S CLUB) AND ECO CLUB
IN COLLABORATION WITH DRUVANSH NGO
IS ORGANISING

LAKE CLEANING DRIVE
ON 10TH DECEMBER AT MUSHKI CHERUVU
9 AM to 11 AM

Note:

- Wear Mask And Sports Shoes
- Bring Your Own Water Bottle

MY EARTH, MY RESPONSIBILITY

Logos: The Light of LIFE, ECO CLUB (Live Green Live Right), Dhruvansh (No Time for Neglectance)

Brochure

Department of Nutrition

Following Are the Initiatives Taken by The Department Of Nutrition To Support Their Contribution For The Healthy And Safe Environment-

Lot of e-content in the classroom teaching is used and students are encouraged to use the e-platform instead of using hard copies.

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The unused print outs are reused for rough work.

Steel bottles are used instead of plastic bottles for drinking water.

Earthen pots are used to store drinking water in the department,

The food prepared by the girls during the nutrition practical class is consumed by them, faculty and support staff and food wastage is minimized

The kitchen waste generated as part of the practical is used for composting and biogas.



As part of the green initiative, green greetings are presented to honour the invited speaker in various events.

All the dry waste like papers, books etc are given to the eco club for recycling. The lab attenders are trained to do bio composting from waste generated from lab during cooking practicals.

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Green Practices by The Department During Cooking Practical.



Department of Zoology

LLIVOM- Live and Let Live With Vermicompost- An Organic Manure

Live and Let Live With Vermicompost- an Organic Manure (LLIVOM), a sale of vermicompost, was organized and coordinated in the College Quadrangle on 22nd August 2022 from 12 pm- 1:00 pm by Dr. Tasneem Jahan, Dr. D. Divya, Mrs. Juvaria Azmath, Ms. Shazia and Dr. Poonam Dev. They were helped by the student volunteers of II Year BZC. The volunteers explained to the students and the staff about the importance of vermicompost and how it could be a better choice over chemical rich pesticides which harm both man and nature. The activity garnered positive feedback from the students who were interested in knowing more about the vermicompost and how they could implement the same in their home gardens.

LLIVOM-Sale of Vermicompost on 22nd August, 2022

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Department of Botany

Tree Plantation -Van Mahotsav on 5th July,2022

Van Mahotsav which is celebrated in the first week of July every year to create awareness about forests which was initiated in the year 1950 by **Kanaiyalal Maneklal Munshi** by planting trees at Rajghat, Delhi.



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In view of Van Mahotsav department of Botany in association with NSS team planted trees at college Botanical garden where Principal **Dr.Sr.P.Amrutha** and Mrs. **D.Mahita**, Dean student affairs were the special invitees along with the Botany staff Dr.P.UshaShree, Ms.P.V.Neeraja, Ms.Roja,Ms.Anita,Dr.Shymala and NSS coordinator Ms.Beverly actively involved themselves tree plantation program along with student volunteers.



Outreach - Awareness on Solid Waste Management on 17th March,2023

The Department of Botany organized an outreach activity on Solid waste management in Govt primary school, Deval Jham Singh , Model Cluster School, Navodaya Colony, Gudimalkapur, Hyderabad on March 17th, 2023. Students from III BZC took part in this session and explained about types of solid wastes, separation of solid waste according to category and steps involved and methods of disposal of solid waste. They also emphasized on 4R principle. Around 42 students from class VIII participated in this awareness program.

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Biodiversity Conservation and Medicinal Values of 21 Leaves of Ganesh Puja on 27th August,2022

Department of Botany organized an awareness program on twenty one leaves used in Ganesh Chaturthi puja as a drive to conserve the biodiversity. Around 25 girls from three years of B.Sc.(BZC&RCB) were selected as volunteers to educate the people regarding the botanical name, common name, medicinal value and the religious Sanskrit verse that is chanted while offering that plant leaves. Students laid repeated emphasis that only these 21 leaves should be plucked but not disturb the vegetation of their surrounding while offering prayers.

The procedure of disposal of these leaves after the puja were also demonstrated as a pollution control act. Most of the staff, students of the college and the visitors from outside took great benefit of this exhibit of the leaves.

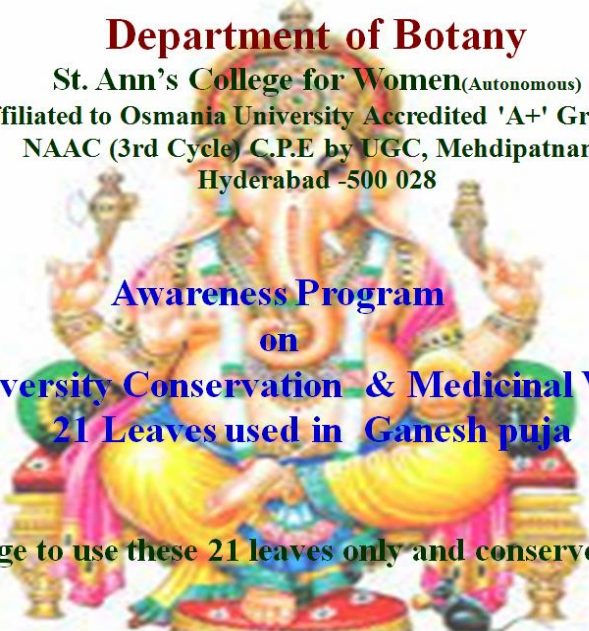
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Awareness Program
on
Biodiversity Conservation & Medicinal Values of
21 Leaves used in Ganesh puja

Let's pledge to use these 21 leaves only and conserve the flora



Brochure



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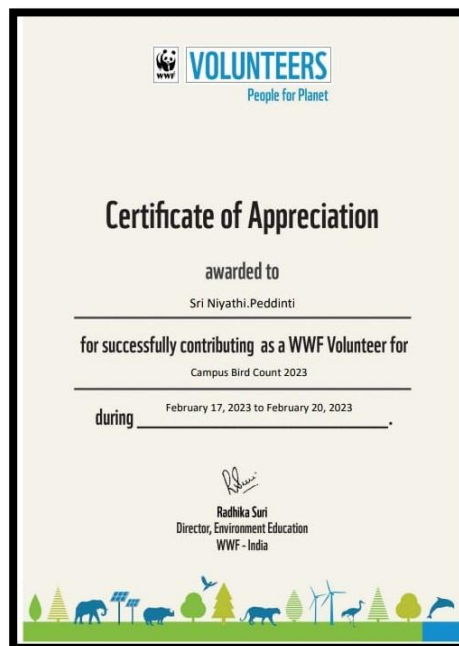
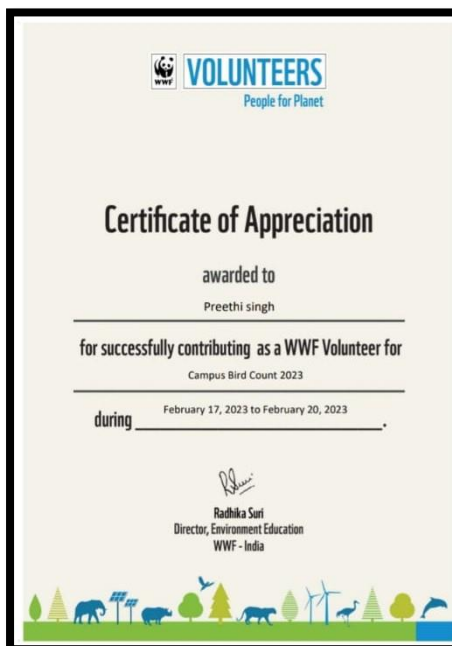


Campus Bird Count 2023 was organised from Feb 17,2023 to Feb 20,2023 by WWF and Eco club volunteers ten of them participated in this International event held globally .All the participants were awarded Certificate of Appreciation for their contributions during the

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event.



The Campus Bird Count is a sub-event of the larger Great Backyard Bird Count. It is a coordinated effort to document the birdlife in multiple campuses across India. By “campus”,

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we include campuses of educational and training institutions, government institutions, research stations, corporate campuses, etc. Broadly speaking, any moderate to large sized area where people study, work or live. Campuses in India often contain surprisingly large amounts of important habitat for birds and other wildlife, even in urban areas. Documenting this wildlife is therefore important and it's also fun and relatively easy!

A group of bird enthusiasts from our campus organized themselves in such a way that they covered all the different areas and habitats that our campus contains. The protocol is to walk around, and collect as many 15-minute 'complete' lists as possible. In other words, each 15 min list should contain *all* species detected in that time period which are Uploaded through eBird Mobile app.

City Nature challenge 2023

The City Nature Challenge 2023, a global competition between cities aimed at documenting urban biodiversity, took place from April 28 to May 1. From India, 35 cities participated in the challenge & globally there were a total of 483 cities participating from 46 countries. It was the first time such a big number of cities had participated from India.



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Hyderabad, participating in the challenge for the very first time, emerged as the top Indian city in terms of number of observations and participants count. Globally Hyderabad was ranked 12 in number of observations. Over 337 community scientists recorded 30,361 observations of 1,984 species during the four-day competition

St. Ann's Eco club volunteers 12 of them along with two Faculty members AM Sylaja and Meenakshi are among the 300 *volunteers* who participated in 🦋🐛 **City Nature Challenge from Hyderabad** 🐞🌱 for bringing it to the **TOP rank** 🏆 in the challenge from India! and Hyderabad has grabbed the twelfth position globally!

The city has recorded over 30,000 *observations* of biodiversity!

Two of our Volunteers Ms Nabiya and Keerthi from Bsc BBC First year are among the top 20 Volunteers with maximum observations and will be awarded appreciation certificates shortly. Rest all volunteers are in top 50



Dharini Eco-club conducted a seminar on “ Eco- friendly solutions for a healthy environment” on 14th october 2022, in the AV room. The speaker of the day was Mrs. Aruna Dara, who is a social entrepreneur, Founder & director of Apna green products. She was awarded as UNSUNG HERO at an International Summit and entered the World Book of Records as a power woman with the best product award from SIDBI.

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Dharini Eco club observed Earth hour 2023 by creating awareness about the event in student and Faculty groups and also social media handles to spread the word and see that maximum people participate in the event. On Saturday 25th March 2023 Earth hour was observed by switching off lights for an hour . Our student volunteers designed posters and created a short video on Significance of Earth Hour and why we should take part in it. Also students conducted a Awareness Quiz on Earth Hour importance in the student groups.



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G20 Waste To Wealth Two teams participated in **ideation Hackathon-on Innovative solutions to waste utilization** “Waste to Wealth Challenge” On 14th of May 2023

- 1.S. Nabiya Ambreen rollno.022 B. Keerthi roll no.021 M.Teja sree roll no.006 Of Bsc.BBC 1st year students participated in an On topic of crop residue :GLYCINE MAX DIESEL-CROP RESIDUE
- 2.Pranavi and Anupama of Bsc BBC Final year on Biodegradable packaging using mushroom waste.

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On World Sparrow Day 20th March 2023, a team of four students from Eco club volunteered to co-ordinate Sparrow Day Celebrations at KBR Park organised by Forest Department, Government Of Telangana & WWF. All the volunteers received Certificates of Appreciation



Tide Turners Plastic Challenge 2023 :the largest Youth led movemet against Single Use Plastics was launched on April20,2023 and Six students from Bsc BBC &GCM 9Nabiya

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,Keerthi,Kavya, Shristi) participated in this challenge which happens at three levels: Entry level, leader level and champion level, committing to take action to reduce plastic waste, in their lives and communities at large. UNEP in partnership with CEE (Centre for Environment Education India) and WWF- India has adapted and rolled out the challenge in India since 2019. The Challenge has been designed to inspire young individuals to reflect upon their plastic consumption, discover solutions to reduce this consumption and lead change in their homes, communities, institutions and workplaces.

Seminar on Wealth Out Of waste by ITC

A seminar on Pollution by plastic waste and its impact on environment was organized by ECO club of the college and ITC on 27/10/2022. Around 200 volunteers attended this seminar.



Intracollege Recycling championship-Collection of dry waste for recycling

ECO club & NSS of the college & ITC organized a month-long paper and plastic waste collection drive. For every Kilo of waste collected and deposited at the designated collection centres in the college 15 rupees worth of stationary were given as Reward. Prizes were also distributed to the individual or the department with the most waste collected. Department of chemistry won the first prize.

2,500Kg of Dry waste was collected by our students

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Swachh Club was constituted for Dry waste collection. Shristi and Ayesha from GCM ,Nabiya, Keerthi ,Kavya of BBC , Leema Mary, Khushi sohani ,Nashra baqueri , Soha shams of B.A were active volunteers for the **WOW-Well Being Out Of Waste** programme in our college and also at various schools

17/04/2023

Pallavi international school

18/04/2023

St Mark's boys Town school

Solitaire global school attapur

19/04/2023

Solitaire global school attapur Day2

Solitaire global school katedhan Day1

20/04/2023

St mark boy's town school day 2

22/04/2023

Bharatiya Vidya bhavan Rajendra Nagar as part of their paid internship

20 tons of Dry waste was collected in these schools during the Internship

St. Ann's College for women signed an MOU with Earthbox & ITC for the purpose of recycling Drywaste

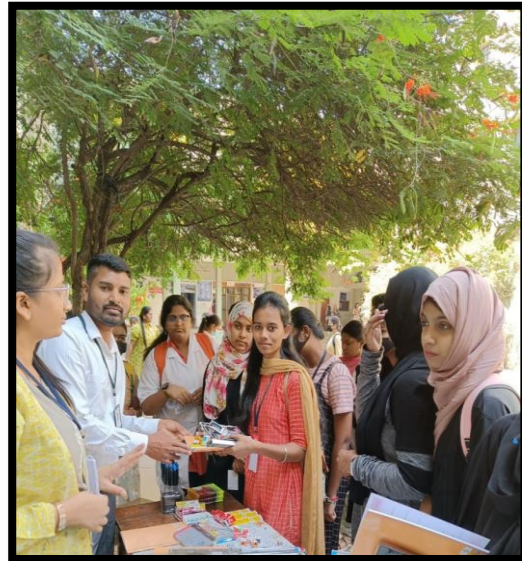
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Our College Received Certificate of Appreciation for contributing to Saving trees by recycling paper and plastic waste

WOW CLUB REGISTRATION FORM		
NAME OF THE COLLEGE: St Ann's college of women	NAME OF THE COLLEGE COORDINATOR: Sylaja Bio-chemistry	NAME OF THE WOW TEAM REPRESENTATIVE: RAMAKRISHNA
Name of the student	Class	SECTION
NAGRA	B.A	HP
POZDRA	B.A	HP
AGHA	B.A	HP
ANISHA SINGH	BSC	B2C
SHAIK MUSKAN	BSC	NCB
ABANDEHA LANGHAM	BSC	NCB
SARANA	BSC	NCB
MURDULA	B.A	HP
SANJANA	B.A	HP
SAHREEN MUSAID	B.A	HP
M SRINULU THIMMI	BSC	GC2
AZBA MUBEEN	BSC	B2C
IRANADI BALEYA	BSC	B2C
ALIA FREEDLE	BSC	B2C
BLADANYA DATTA	BSC	B2C
ANISHAN THIMMI	BSC	B2C
LUBNA ARIF	BSC	MC2
AMAL ARIF	BSC	MC3
BAGADE POOJA	BSC	MC3
NAVDEEN SAHANI	BCOM	COMPUTERS
ARTHI SINGH	B.A	HP
TEJASWINI	BCOM	BPM
M NITYA SREE	BBA	BBA
KIRJANI	BBA	BBA
SRESHALI	BBA	BBA
KRISHI RAJSHITHA	BBA	BBA
GRANDHA	BBA	BBA
PUSHA RANI	BBA	BBA
KLEENA MARY	B.A	HP
KRISHI SONANI	B.A	HP
ANISHA SHAIQ ANWAR	B.A	HP
JANI MANA	B.A	HP
PRANJALAD	B.A	HP
SARMA IRAM	B.A	HP
DEEPA AHMED	BSC	MC3
A.SAVANSHI	BSC	MC3
N.MEGHANA	BCOM	COMPUTERS
SHRUTHI YADAV	BSC	MSGS
B.SRI LAKSHMI	BCOM	BPM
DEVIKA SINGH	BSC	B2C
NEHA SINGH	BSC	B2C
S.EEMA NAVEED	BCOM	GENERAL
PRAGATHI	BCOM	GENERAL
RENJANA	BCOM	GENERAL
SRANVANA	BCOM	GENERAL
POOJITHA	BCOM	GENERAL
MEGHANA	BCOM	GENERAL
AFREEN	G.C.M	G.C.M

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@ST.ANNS students Exchanging their old paper waste for NEW Stationery.



World Environment Day Celebration on June 5 th 2023

E-poster making competition Date: June 5th 2023 Topic: Beat Plastic Pollution for the Resurgence of Earth Mode of conduct: Online Lecturer incharge: K. Pranathi

Brief report:As a part of World Environment day Dharani Eco club in collaboration with IIC organised E-poster making competition for the students of all streams on the theme “**Beat Plastic Pollution for the Resurgence of Earth**” on 5th June 2023

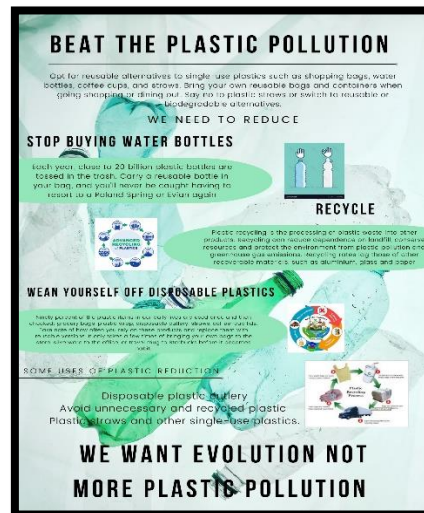
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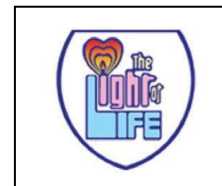


Through online mode. Where in 23 students from different streams have participated and presented their E-posters on the given topic.



Snapshots:





C) Energy Management:

Classroom has cross ventilation and sufficient natural lighting to minimize use of electricity. College takes steps to sensitize students and staff about energy conservation. High energy consuming fluorescent lights are found in use. The college has replaced them with LED or CFL lights in most of the places. Staff and students are encouraged to switch off all electrical appliances light, fans, air-conditions and lab equipment when not in use.

Electricity as energy source and the initiatives to save it are-

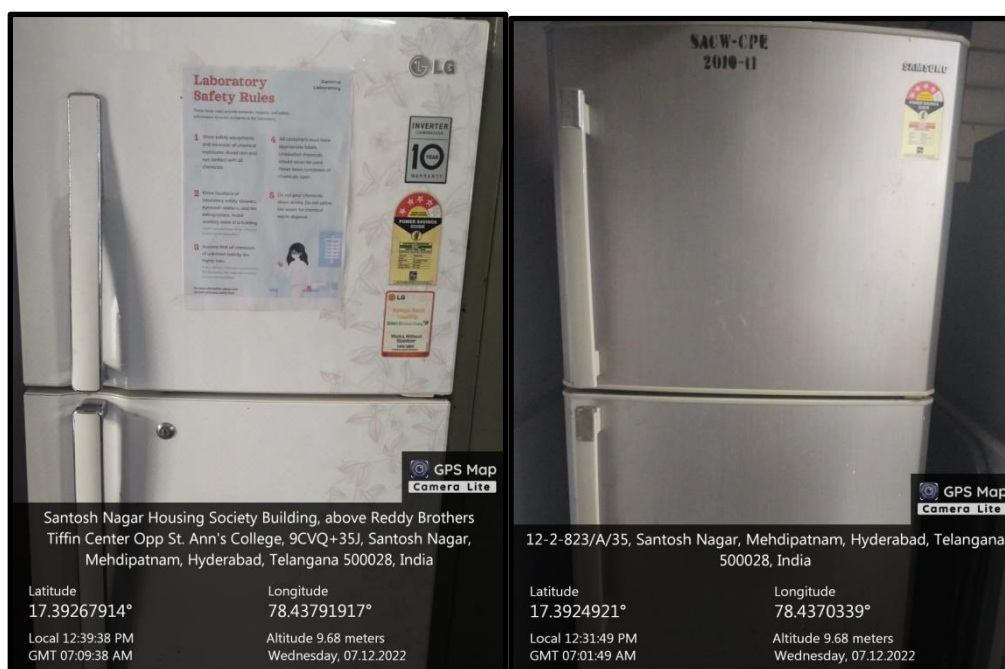
- Survey of electrical fixtures of college- class rooms, laboratories, departments and centers, based on which recommendations are made to save energy, Periodic Recommendations to all the departments and classes, all eco club volunteers of the class follow simple electricity saving rules like switching off all fans and bulbs of the classrooms, LCD projectors, using natural air by keeping windows open, Green Stickers (Energy saving rules) are pasted in the classes and Laboratories, Save Energy poster are displayed in corridors, Zero power hour /week is followed every Saturday.
- Annual maintenance contracts of equipments and instruments are in place for infrastructural facilities in the college. e. g. Elevators, Air conditioners, Computers. Departments also have AMC for equipments. Solar panels are in place for evening lighting, Incandescent bulbs and tube lights are replaced with LED power saver bulbs,

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- Use of sunlight –Natural light for microscopy in all life science departments.
- Computers and printers are operated in Energy saver mode. Computers are regularly maintained for performance and all faculty and students are advised to use systems in Power Saver mode. The Dot matrix Printers are replaced with Laser Printers where ever possible. All CRT monitors are replaced with LCD monitors and Energy Star equipment is purchased.
- Power Efficient Equipment **Energy Star and the Environment**
- Energy STAR is an important tool in fighting climate change, improving air quality, and protecting public health. By reducing emissions of greenhouse gases and other air pollutants, Energy Star also provides states and local governments with more flexibility and reduced costs towards meeting their climate, air quality, and public health goals. With an ENERGY STAR certified refrigerator or cooler, we can maximize our energy and savings without sacrificing the features we want. Energy Star certified refrigerators are about 9 percent more energy efficient than models that meet the federal minimum energy efficiency standard. By properly recycling our old refrigerator and replacing it with a new ENERGY STAR certified refrigerator, we can save more money.
- ENERGY STAR certified refrigerators offer high performance features such as high-efficiency compressors that create less heat and use less energy, improved insulation that helps food stay cold, and temperature and defrost mechanisms that help the refrigerator operate more efficiently.
- We at St. Ann's replaced old refrigerators with Energy Star Refrigerators. All life sciences and physical sciences labs have Energy star certified refrigerators. Energy efficient appliances use less electricity to achieve the same level of performance to similar models with the same size or capacity. The more energy efficient a model, the less energy it will use and the less it will cost to run. The more stars on the Energy Rating Label, the more energy efficient the appliance is.

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Biochemistry Lab

Chemistry Lab

D) Landscape / Environment/Green Practices:

The college campus is greener with fair biodiversity. Most of the trees and plants have their scientific names displayed on them. The campus of the college itself is environmental friendly with trees, garden, medicinal plants, vegetable garden, lotus ponds Green lawns adorned with ornamental plants and shady trees make the campus look beautiful. Though space is limited, every vacant corner of the campus has been planted with trees, shrubs, creepers, turfs and other plant species to make it look greener and more vibrant. The 5000 sq. ft. botanical garden is a consortium of fruits, vegetables, medicinal, ornamental plants, and pond ecosystem.

Green corridor concept should be adopted by increasing the number of potted plants in the college corridors. This can further reduce the carbon footprint.

E) Tree Plantation:

Telangana Ku Haritha Haram is a large-scale tree-plantation program of the Telangana Government to increase the tree cover in the southern Indian State. NSS, NCC, Eco club of College participates enthusiastically both within the college and outside



Department of Botany supports the cause of increasing the green coverage with good Biodiversity on campus

First Sunday of August is Friendship Day and at St Ann's College it is celebrated as **Green Greeting Day**. Green Greeting is a unique programme of Rotaract Club of St. Ann's. Every year students of the college are encouraged to gift saplings to their friends instead of gifting other gifts like friendship bands etc. The message of gifting sampling was nurture friendship; watch it grow.

Microbiological testing of soil, rhizosphere and phyllosphere is done regularly to optimize the health of plants as suggestive methods and recommendations are discussed in audit committee

F) Celebrations Of Festivals Depicting Nature:

- Vasantpanchami depicted as beginning of spring by Hindi department.
- Bathukamma- festival of flowers by Telugu department
- Ecofriendly ganesh making workshop and sale,
- Eco friendly gifts and greetings during conferences- Guests for all conferences and celebrations are greeted with Green Greetings in the college.
- No to plastic and sale of eco friendly bags by Chemistry Department and Eco club.
- Students and staff always try to pool up and commute and those living nearby walk to college.

G) Green Agenda In Syllabus

Environment Education is offered as Co-Curricular Activity to first year students for two semesters on 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.

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Science and Environment course creates an awareness and sensitivity towards conservation of biodiversity. It promotes development of required skills in sustaining the ecological balance of the environment; understanding of the benefits and limitations of science and its applications in technological developments towards human welfare. This course is offered to all students in the III semester. Teaching methodology includes seminars, projects, Group Discussion etc., based on the curriculum and the latest updates in the same.

“**Environment Management** Course trains students to manage environment risks and explore ways to reduce environmental footprint in day to day activities.

College observes Ozone day, Natural Recycling Day, World Earth Day, World population Day, Wildlife Week by organizing activities on environmental themes.

Paperless transactions by all Departments

E-Feedback Systems, E-Certificate, Online- Google Classroom and Google Form Assignment

Know Your Plant-Digital Display

The Department of Botany Encourages students in compiling a Green File for the display of articles on the noticeboard regarding the Environmental Issues. Digital and Seed Herbarium

Eco club in collaboration with Green Mitti encourages student internship on Five Modules pertaining to **Green Mitti Concept**

Sustainable Green cover

Seed Balls preparation

Natural Farming,

Waste Segregation and Composting

Home Gardening

Hydroponic Gardening

Upcycling of Materials

Energy and water conservation

Biodiversity and Micro climate carbon footprint reduction

Bird and Butterfly Watching

Micro climate improvement



Recommendations from previous audit 2022

In order to improve their efficiency and consistency, certain practices could benefit them further

- Alternate Energy sources like rooftop Solar panels can be installed
- Safely dispose computer, electrical appliances e waste in a scientific manner
- It is recommended to Install Incinerators, to dispose safely the sanitary napkins
- Numbers of bins in the washrooms are to be increased.
- CFLs to be replaced with LED lights and solar lights
- College can apply for a Green and Clean campus award
- Dry waste collection can be done on a regular basis
- Food waste can also be composted apart from kitchen waste
- College has to plan and implement methods for recycling of waste water
- Food wastage is to be monitored and students to be sensitized on the issue
- Campus Flora and Fauna data record can be maintained
- List Of visiting birds and living birds can be maintained
- Increase number of projects or dissertations on Environmental issues

As per the recommendations in previous the college has taken few measures

- Green Audit is conducted on a regular basis
- Alternate Energy sources like rooftop Solar panel been installed
- Most of the CFLs are replaced with LED lights
- Initiated Dry waste collection on a regular basis
- Installed sanitary pad incinerator & we are creating awareness on use of Biodegradable sanitary pads
- Participated in WWF -Campus Bird count and conducted this activity in our college campus

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- More Number of Bins in washrooms have been arranged
- Departments of Biochemistry, Microbiology, Botan , Zoology are working on Environment related projects.
- College has also gone for Environment Audit this year Successfully completed Audit on Feb28 ,2023. Auditing team from NSF Nature Science Foundation ,Coimbatore ,Tamil Nadu
- College has been awarded with Best Clean and Green Campus award by Nature Science Foundation, Coimbatore, Tamilnadu.
- Energy Audit also successfully completed for the year2022 in the month of December 2022

Recommendations by Green Audit Team-Review Meeting 2023

- A biodiversity survey of the campus can be done.
- Explore Measures to bring down carbon footprint in the campus
- Soil Testing also can be done
- Innovative projects to find solutions to environmental problems can be encouraged
- Earth Hour can be observed
- Recycling initiatives can be enhanced
- Waste water recycling can be enhanced
- Number of Battery powered vehicles can be increased




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