GOVERNMENT DEGREE COLLEGE
RAYACHOTY, ANNAMAIAH (D.T), 516269.

Eco-Club-Plantation

Eco-friendliness-Clay VinayakaPlastic Free Campus.

POLLUTION AND PLASTIC-FREE CAMPUS POLICY

BEST PRACTICE-II

Title of the practices: Pollution and Plastic-Free Campus.

Objective:

The primary objective of the "Pollution and Plastic-Free Campus" initiative is to make students environmentally conscious and to maintain clean, green, and pollution-free campuses.

Context:

The initiative was developed in response to the lack of environmental awareness among students and the presence of plastic waste and pollution on campus. It aims to address these issues through a series of targeted actions and awareness programs.

Practice:

The practice involves various strategies, including the formation of student committees comprising NSS and NCC units to oversee campus cleanliness and sustainability. Garbage pits are dug for the disposal of dry leaves, paper, and other degradable materials, promoting composting. The initiative also includes a ban on polythene use, recycling of paper, distribution of jute bags, and frequent plantation drives in collaboration with the Forest Department. Saplings are presented as bouquets in official functions, and Tuesdays are observed as vehicle-free days, with Saturdays dedicated to clean and green activities. Additionally, the initiative encourages the use of bicycles and electrical vehicles on campus to reduce carbon emissions and promote sustainable transportation practices.

Evidence of Success:

The initiative has seen several successes, including cleaner and greener campuses, the formation of student committees for sapling maintenance, and the development of new gardens sponsored by departments. The practice has facilitated the speedy and safe disposal of garbage, along with conducting awareness programs on environmental protection. Additionally, the initiative has received sponsorship for saplings from the Forest Department and local nurseries, and college-generated compost is being utilized effectively.

Problems Encountered:

Logistical issues were encountered in coordinating student committees and volunteer activities, requiring careful planning and organization to ensure effective execution. Additionally, there was initial resistance to change from traditional practices, especially regarding the use of polythene. Overcoming this resistance involved conducting awareness campaigns and education programs to promote the benefits of eco-friendly alternatives.

Another challenge was ensuring continuous participation and engagement of students and staff in the initiative. Sustaining interest and motivation over time required ongoing efforts to highlight the importance of environmental conservation and the impact of individual actions.

Resources Required:

To address these challenges, various resources were required. The active involvement of student committees and volunteers was essential for the initiative's success, as they played a crucial role in implementing and maintaining the practices. Access to garbage pits and composting facilities was necessary for proper waste management. Procurement and distribution of eco-friendly alternatives to plastic also required resources. Support from the Forest Department and local nurseries was vital for organizing plantation drives and sourcing saplings. Additionally, educational and awareness materials were necessary to inform and engage the campus community in environmental conservation efforts.

S.NO	Academic Year	Name of the Activity
1	2018-2019	PLANTATION BY STAFF AND NCC STUDENTS
2	2019-2020	CLEAN AND GREEN CAMPUS BY ALL GROUPS OF STUDENTS
3	2020-2021	POLLUTION FREE CAMPUS IN COVID PERIOD SANITATION IN COLLEGE CAMPUS.
4	2021-2022	1. POLLUTION FREE CAMPUS USED BY BICYCLES AND ECO-SCOOTY. 2. AND OUR HONOROUBLE COMMISSIONER SIR SRI.POLA BHASKAR GARU PLANTED THE PLANTS IN GREEN CAMPUS.
5	2022-2023	1. AWARNESS ON BAN ON PLASTIC USAGE, DISTRIBUTION OF JUTE BAGS TO STUDENTS. 2. ECO-CLUB-ECO-FRINDLY VINAYAKA IDOL WITH CLAY,AND 21 TYPES OF MEDICINAL VALUES OF PLANTS. 3. AWARNESS PROGRAMME ON OZONE DAY AND POSTER PRESENTATION.

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2018-2019

POLLUTION AND PLASTIC FREE CAMPUS

PLANTATION BY STAFF AND STUDENTS

NSS Students and staff are digging holes and planting the plants The NSS and NCC's participation in the plantation drive has significantly contributed to environmental conservation efforts. Through their dedication, thoBoth the NSS and NCC cadets played an active role in educating the public on how trees contribute to pollution control. Awareness programs included:Lectures and seminars on environmental issues and the benefits of afforestationDistribution of informational pamphlets and digital resources about sustainable living practices.usands of trees have been planted, which will help reduce pollution and improve air quality in the region.

This initiative not only strengthened the role of youth in environmental sustainability but also set an example for future drives. Continuing efforts are needed to monitor the saplings and engage more citizens in similar activities to build a pollution-free world.

All the NCC Students are also ready to plant sapling with their NCC Officer.

A scene where the all NCC students are plant sapling for pollution free of Green campus.
All students are participated enthusiastically in this program and planted saplings.

The "Pollution-Free Campus Plantation" initiative was a resounding success, thanks to the collective efforts of the entire campus community. The initiative not only contributed to a greener campus but also instilled a sense of environmental stewardship among participants. Moving forward, continuous efforts will be made to maintain and expand the green cover, ensuring that our campus remains a pollution-free zone.

GDC.RAYACHOTY principal and NSS and NCC Co-ordinators and Teaching staff are participated.
No.of Students are participated:35.

THANK YOU.

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2019-2020

POLLUTION AND PLASTIC FREE CAMPUS

CLEAN AND GREEN CAMPUS

NSS students and staff are aii together to sort out the garbages in the campus,and also pull the weeds.

A pollution-free campus is achievable through collective efforts and a commitment to sustainability. By implementing the above strategies, educational institutions can foster an eco-friendly environment that not only reduces pollution but also enhances the quality of life for everyone on campus. In the long term, these efforts will contribute to global goals of reducing environmental impact and promoting a sustainable future.

The importance of a pollution-free campus cannot be overstated in today's world. With the rising concerns of environmental degradation and climate change, every institution must aim to reduce its ecological footprintribute to global goals of reducing environmental impact and promoting a sustainable future.

Creating a pollution-free campus is a significant goal for any educational institution. It not only promotes a healthier environment but also fosters a culture of sustainability and responsibility among students and staff. Here's a guide to help develop a pollution-free campus.

S

- Comprehensive Recycling Programs: Implement a robust recycling program, ensuring that bins for paper, plastics, metals, and compost are available throughout the campus.

□ Reduce Single-Use Plastics: Ban or reduce the use of single-use plastics by promoting reusable bottles, bags, and utensils. Provide alternatives in campus cafeterias and vending machines.

□ Waste Audits: Conduct regular waste audits to identify areas where waste can be reduced.By implementing these strategies, a campus can significantly reduce its pollution footprint, create a he**Green Spaces**

- Tree Plantation Drives: Organize regular tree plantation campaigns to enhance green cover, which can help absorb carbon dioxide and reduce air pollution.

- Gardens and Green Zones: Develop community gardens and maintain green zones where students can relax and enjoy nature.

althier environment for all, and set an example of sustainability for other institutions to follow.

Finally they made a pollution free Green campus.

GDC.RAYACHOTY principal,and staff,and also all groups of students are participated in this programe.

No.of students are participated:40.

THANK YOU

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2020-2021

POLLUTION AND PLASTIC FREE CAMPUS

COVID-19 PERIOD

SANITATION IN COLLEGE CAMPUS

Sanitation in college campus and also conocarpous sps are released a pollutant factors,that's why all students and staff members both are together cut the popllutant plants.

The COVID-19 pandemic had an interesting and multifaceted relationship with environmental issues, including pollution and deforestation. While the global lockdowns led to a temporary reduction in certain forms of pollution, other environmental challenges persisted or worsened.

During the initial phases of the pandemic, global lockdowns led to a drastic reduction in industrial activities, transportation, and energy use. This resulted in significant drops in air pollution, especially in major cities. Studies showed decreased levels of nitrogen dioxide (NO2) and particulate matter (PM2.5 and PM10), which are harmful pollutants primarily released from vehicles and industrial.

Purpose of Sanitizer Sprayers:Sanitizer sprayers are devices that spray disinfectant solutions over surfaces, aiming to kill viruses, bacteria, and other pathogens. During the COVID-19 pandemic, their use became essential in colleges to disinfect high-touch areas such as:

- Classrooms
- Libraries
- Cafeterias
- Restrooms
- Common rooms
- Corridors and stair railings

- Sports and gym equipment

The COVID-19 virus is primarily transmitted through respiratory droplets, but it can also survive on surfaces for extended periods. Given the high foot traffic and shared facilities in college campuses, ensuring proper sanitation became a priority to minimize the risk of virus transmission. Colleges across the globe had to follow guidelines provided by health authorities, such as the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC), to maintain a clean and safe environment.

. Increased Cleaning Frequency

- Classrooms, libraries, restrooms, and other high-touch areas were cleaned and disinfected multiple times a day.
- Special attention was given to surfaces like doorknobs, handrails, desks, and computers.

b. Use of Disinfectants

- Colleges employed EPA-approved disinfectants effective against the coronavirus.
- Disinfection protocols included the use of sprays, wipes, and electrostatic sprayers for large areas.
- THANK YOU

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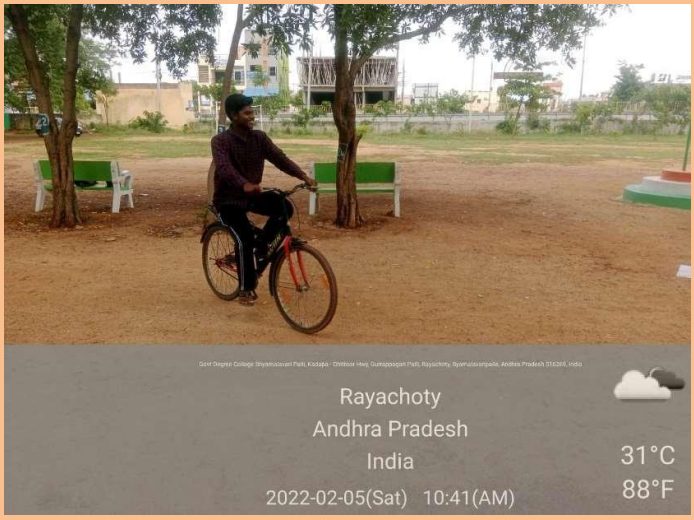
2021-2022

POLLUTION AND PLASTIC FREE CAMPUS

1. POLLUTION FREE CAMPUS USED BY BICYCLES AND ECO-SCOOTY.

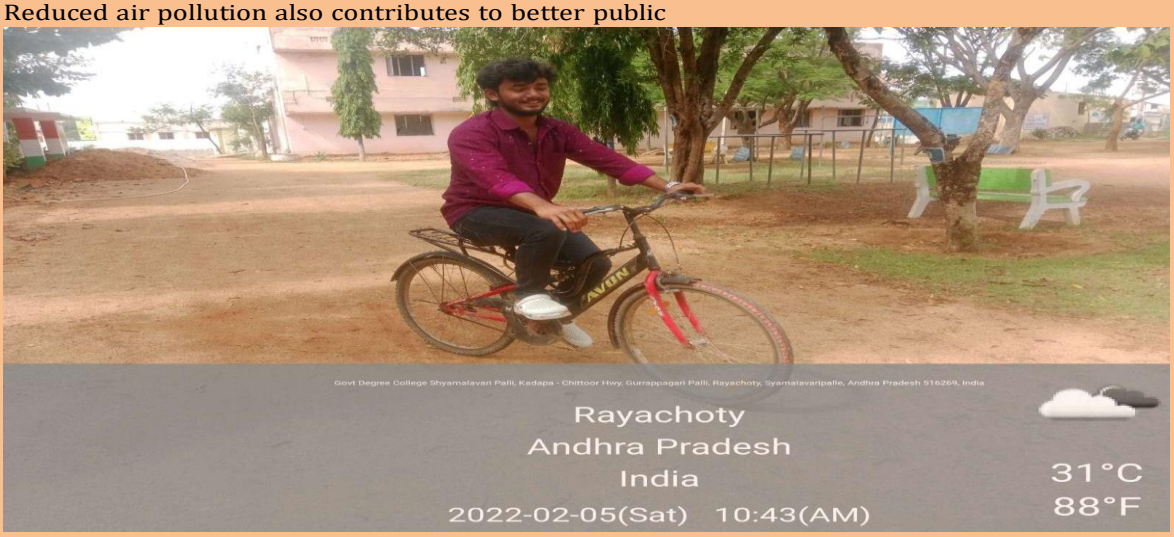
Bicycle Infrastructure:Bike Lanes and Parking: Establishing dedicated bike lanes and secure parking facilities are crucial for encouraging bicycle use. Well-marked bike lanes ensure the safety of cyclists and pedestrians, while ample parking reduces theft concer.



Pollution-Free Bicycles: A Sustainable Solution
Bicycles are an environmentally friendly mode of transport. They emit no pollutants or greenhouse gases during operation, require minimal raw materials to manufacture, and help in reducing traffic congestion. In addition, the infrastructure needed to support cycling—such as bike lanes—has a far smaller ecological footprint than roads and highways designed for motor vehicles.

Key Benefits of Using Pollution-Free Bicycles

1. Zero Emissions: Unlike cars, motorbikes, and buses, bicycles produce zero emissions. This helps reduce urban air pollution, including harmful gases such as carbon dioxide, carbon monoxide, nitrogen oxides, and particulate matter.
2. Energy Efficiency: Bicycles are among the most energy-efficient modes of transportation. They use human power, which requires no fuel or electricity, making them a highly sustainable alternative.
3. Health Benefits: Cycling promotes physical activity, which is essential for preventing cardiovascular diseases, obesity, and other health problems associated with sedentary lifestyles. Reduced air pollution also contributes to better public



health in urban areas.

P0LLUTION FREE-ECO-SCOOTY

Infrastructure for E-Scooters

Charging Stations: Installing charging stations at strategic locations around the campus ensures that e-scooters are always ready for use. Solar-powered charging stations can further enhance the sustainability of this initiative.E-Scooter Sharing Programs: Similar to bike-sharing programs, e-scooter sharing allows students to rent scooters for short trips. This is particularly useful for covering longer distances or when time is a constraint.

Conclusion: Adopting bicycles and battery scooters as primary modes of transportation on campus is a viable solution for creating a pollution-free, safe, and healthy environment during the COVID-19 pandemic. By investing in infrastructure, promoting awareness, and offering incentives, the campus can make significant strides toward sustainability while also addressing the challenges posed by the pandemic. In the long term, this initiative will contribute to both the health of individuals and the planet, making it a win-win for everyone involved.

2. AND OUR HONOROUBLE COMMISSIONER SIR SRI.POLA BHASKAR GARU VISITED TO GDC.RAYACHOTY:

Commissioner sir sri.pola Bhaskar garu planting saplings in GDC.RAYACHOTY

As environmental concerns continue to rise, educational institutions have an increasing responsibility to contribute to sustainability efforts. Our campus is taking a proactive approach toward reducing carbon footprints and pollution through the establishment of a C-plantation (carbon sequestration plantation) initiative. This report outlines the steps, benefits, and strategies of implementing a pollution-free campus initiative through C-plantation

Inspire ongoing environmental initiatives and a commitment to sustainability within the campus community.

The "Pollution-Free Campus Plantation" initiative was launched with the aim of creating a greener, healthier, and more sustainable environment on campus. This initiative aligns with our institution's commitment to environmental conservation and sustainability. The project focuses on increasing the green cover, reducing pollution levels, and fostering a sense of responsibility towards nature among the campus community.

The plantation drive has had a significant positive impact on the campus environment. The newly planted trees are expected to:

GDC.RAYACHOTY principal madam planting the saplings in Red Ribbon Club

Principal madam planted saplings in the presence of college campus

WomenEmpowerment cell

WomenEmpowerment cell.

The "Pollution-Free Campus Plantation" initiative was a resounding success, thanks to the collective efforts of the entire campus community. The initiative not only contributed to a greener campus but also instilled a sense of environmental stewardship among participants. Moving forward, continuous efforts will be made to maintain and expand the green cover, ensuring that our campus remains a pollution-free zone.
The Women Empowerment Cell (WEC) of [Your Institution's Name] recently organized a plantation drive, aimed not only at fostering environmental sustainability but also at promoting active participation of women in community-building initiatives. This initiative aligns with the dual goal of creating greener spaces and empowering women to take leadership in environmental conservation efforts. The following report details the objectives, activities, and impact of the plantation drive organized by the WEC.

Workshops and Awareness Campaign
Alongside the plantation drive, the Women Empowerment Cell organized workshops on environmental conservation, eco-friendly practices, and the significance of tree plantation in combating climate change. These workshops were led by female environmentalists and faculty members from the environmental science department, emphasizing women's role in leading environmental initiatives.
Objectives

1. Promote Environmental Sustainability: Increase green cover through the plantation of saplings.
2. Empower Women through Leadership: Encourage leadership roles among women participants.students are participated:20.

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2022-2023

POLLUTION AND PLASTIC FREE CAMPUS

1. AWARNESS

ON

BAN ON PLASTIC USAGE, DISTRIBUTION OF JUTE BAGS TO STUDENTS.

- Plastics break down into microplastics, contaminating soil and water bodies, harming marine and terrestrial life.
- Health Hazards: Chemicals in plastics can leach into food and water, posing risks to human health.

The global environmental crisis has prompted governments and organizations worldwide to take significant steps toward reducing plastic pollution. One such measure is the ban on single-use plastics, which has gained momentum in many countries. This report explores the implications of this ban and the promotion of jute bags as an eco-friendly alternative.

As plastic bans take effect, there is an increasing need for sustainable alternatives. Jute bags have emerged as

a popular option due to their eco-friendly nature. The benefits of using jute bags.

All students and staff are cleaned the plastic papers,garbages and waste covers in the bag.

Plastic pollution has become a major environmental issue worldwide, impacting ecosystems, wildlife, and human health. In line with global efforts to reduce plastic waste, our campus has taken a proactive step by banning the use of plastic bags and promoting eco-friendly alternatives like jute bags. This report discusses the initiative, its implementation, and the impact it has had on the campus community.

Objective of the Ban: The primary objective of the ban on plastic bags is to reduce the campus's environmental footprint. By encouraging the use of sustainable alternatives like jute bags, the campus aims to:

- Minimize plastic waste.
- Promote environmentally responsible behavior.
- Educate the community on the importance of sustainability.Implementation of the Ban: The ban was officially enforced on [insert date], following a campus-wide campaign led by the
- environmental club and administration. Key steps taken to implement the ban included:
-

impact of the Ban: Since the ban was enforced, several positive outcomes have been observed:

- Reduction in Plastic Waste: There has been a noticeable decrease in the amount of plastic litter on campus. The facilities team reported a 30% reduction in plastic waste within the first three months.
- Increased Environmental Awareness: The initiative has sparked discussions among students about the importance of sustainability, leading to more eco-friendly practices like reducing single-use plastic and recycling.

Objective of the Ban: The primary objective of the ban on plastic bags is to reduce the campus's environmental footprint. By encouraging the use of sustainable alternatives like jute bags, the campus aims to:

- Minimize plastic waste.
- Promote environmentally responsible behavior.
- Educate the community on the importance of sustainability.

- Expand the awareness campaign to include workshops on other sustainable practices like composting and energy conservation.
- Introduce incentives for students and staff who consistently use eco-friendly products.
- Explore the possibility of banning other single-use plastic items like straws and bottles to further reduce plastic waste on campus.

The ban on plastic bags and promotion of jute bags has been a significant step towards creating a greener, more sustainable campus. While there have been challenges, the overall impact has been positive, with a reduction in plastic waste and increased awareness of environmental issues. Continued efforts are needed to ensure long-term success and to encourage the wider community to adopt eco-friendly practices

No.of students are participated:30.

THANK YOU

ACTIVITY-2

2. ECO-CLUB-ECO-FRINDLY VINAYAKA IDOL WITH CLAY, AND 21 TYPES OF MEDICINAL VALUES OF PLANTS.

Creating a Vinayaka (Ganesha) idol using clay and 21 types of medicinal leaves is a practice rooted in traditional Indian customs, especially in the context of eco-friendly celebrations. Here's a report on the process and significance:

The practice of creating eco-friendly Ganesha idols is gaining popularity as awareness about environmental conservation increases. Traditionally, Ganesha idols were made from materials like Plaster of Paris (PoP), which are not biodegradable and contribute to environmental pollution. In contrast, clay idols are eco-friendly and dissolve easily in water without harming aquatic life. Adding medicinal leaves to the clay further enhances the idol's ecological and spiritual significance. Materials Required:

Clay: Natural, non-toxic clay is the primary material used to make the idol. Clay is easily moldable and dissolves in water without causing pollution.

21 Types of Medicinal Leaves: These leaves are chosen for their traditional significance and medicinal properties. Some common examples include:

Each of the 21 leaves has a symbolic and medicinal value, contributing to the idol's spiritual and health benefits: □ Tulsi: Promotes spiritual purity and is considered sacred.

□ Neem: Known for its antibacterial properties, it purifies the environment. □ Datura: Used in Ayurvedic treatments for various ailments.
□ Mango leaves: Symbolize prosperity and are used in rituals. □ Turmeric leaves: Used for purification and healing.

The practice of creating Vinayaka idols from clay and 21 types of medicinal leaves is a beautiful blend of tradition, spirituality, and environmental consciousness. It not only honors Lord Ganesha but also promotes eco-friendly practices that contribute to the well-being of the planet.

Many plants, revered in Hindu traditions and rituals, have medicinal properties. These plants are often used in Ayurveda and traditional healing practices.

□ Traditional POP idols take months or years to dissolve, causing water pollution, killing aquatic life, and affecting ecosystems.
□ Chemical-Free: POP idols are often painted with synthetic dyes containing harmful chemicals like lead, mercury, and cadmium, which contaminate water bodies.

□ Sustainability: Eco-friendly idols promote sustainability by using biodegradable materials that dissolve quickly and safely after immersion.

No.of students are participated:30.

THANK YOU.

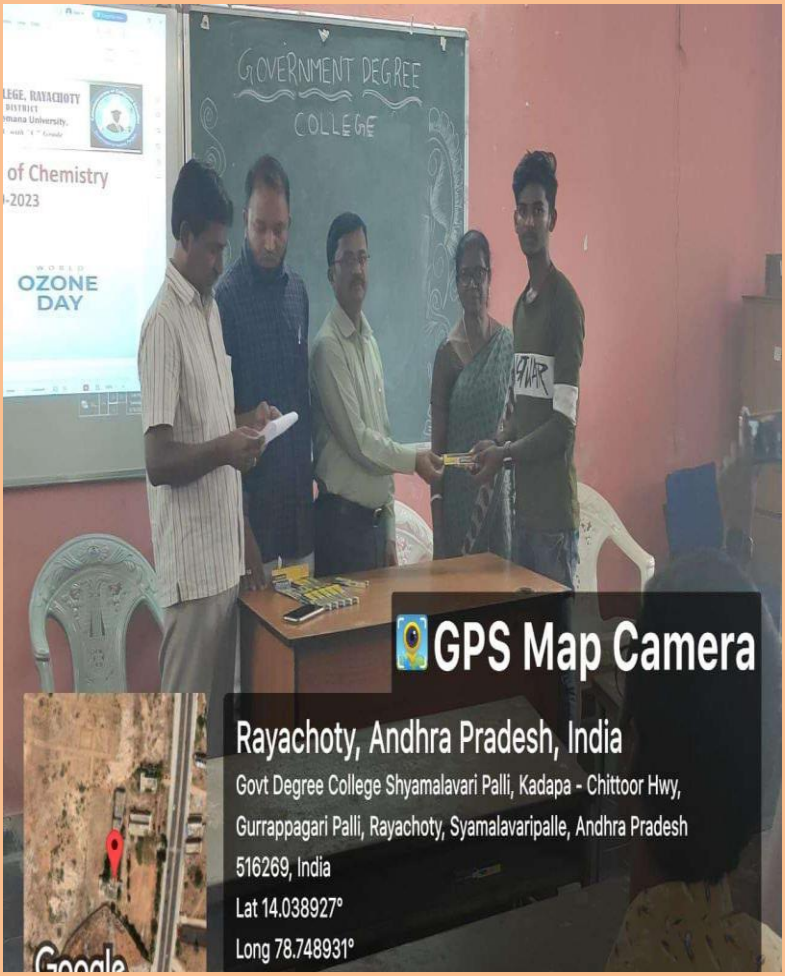
ACTIVITY-3

AWARNESS PROGRAMME
ON
OZONE DAY AND POSTER PRESENTATION.

Poster presentation watched the aprincipal madam and other staff members.

This day commemorates the signing of the Montreal Protocol in 1987, a landmark global agreement aimed at phasing out the production and consumption of ozone-depleting substances (ODS). This report focuses on the importance of a pollution-free environment in sustaining the ozone layer and the ongoing efforts to protect this vital atmospheric component.

While ozone depletion is primarily driven by specific chemicals, general pollution plays a significant role in exacerbating environmental issues that indirectly affect the ozone layer. Air pollution, particularly from industrial emissions, transportation, and deforestation, contributes to global warming and climate change. Climate change, in turn, affects atmospheric conditions and can influence the distribution andconcentration of ozone in the stratosphere.



Prize Distribution to the best poster presentation by principal madam and vice-principal sir,programe co-ordinator sri.Bhanu prakash Reddy sir.

Conclusion: Ozone Day serves as a reminder of the critical importance of maintaining a pollution-free environment to ensure the protection and recovery of the ozone layer. The success of the Montreal Protocol demonstrates the power of global cooperation in addressing environmental challenges. However, continued vigilance, innovation, and action are necessary to overcome remaining obstacles and to safeguard the health of our planet and future generations.

As individuals and communities, we can contribute to a pollution-free environment by reducing our carbon footprint, advocating for sustainable practices, and supporting policies aimed at protecting the ozone layer. By doing so, we can help ensure that Ozone Day remains not only a day of reflection but also a celebration of our ongoing efforts to preserve the Earth's atmosphere

The ozone layer is a critical part of Earth's atmosphere, located in the stratosphere, that absorbs the majority of the sun's harmful ultraviolet (UV) radiation. Protecting the ozone layer is crucial for the prevention of skin cancer, cataracts, and other health risks, as well as for the protection of ecosystems. Over the years, substances like chlorofluorocarbons (CFCs) and other ozone-depleting substances (ODS) have caused a thinning of the ozone layer, leading to the formation of the ozone hole.

Recommendations:

1. Continue expanding renewable energy usage on campus.
2. Increase the number of environmental education programs.
3. Collaborate with local communities to create broader awareness about ozone layer protection.
4. Periodically review and update campus sustainability practices to stay aligned with global environmental goals.

No.of students are participated:30

THANK YOU.