

SEMANA VIDYA VA VAN VIKAS PRASHIKSHAN MANDAL, GADCHIROLI

Gramgeeta Mahavidyalaya, Chimur

Arts, Commerce and Science (Granted)

Dist. Chandrapur (M.S.) 442903

Eco Club Committee

Annual Report 2024-25

Global CO₂ emissions are projected to reach a new record high in 2024, continuing a trend of increasing emissions despite efforts to curb them. Specifically, total CO₂ emissions are estimated to reach 41.6 billion metric tons, with fossil fuel emissions contributing 37.4 billion tons and the remainder from land-use changes like deforestation, according to the Global Carbon Budget. This increase is driven by ongoing reliance on fossil fuels and exacerbated by land-use changes, highlighting the urgent need for significant emissions reductions.

- **Fossil Fuel Emissions:**

CO₂ emissions from burning fossil fuels are projected to increase by 0.8% in 2024, reaching 37.4 billion tons, according to the Global Carbon Budget.

- **Land-Use Change:**

Emissions from land-use changes, including deforestation and forest fires, are also contributing to the overall increase.

- **Record Concentrations:**

Atmospheric CO₂ concentrations are also reaching record levels, with a projected average of 422.5 parts per million (ppm) in 2024, according to the Global Carbon Budget.

- **Divergence from Climate Goals:**

These rising emissions put the world further off track from meeting the goals of the Paris Agreement which aims to limit global warming to 1.5 degrees Celsius above pre-industrial levels.

Eco club is concerned with these environmental changes, therefore different programs are conducted to aware the students and staff.

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INTERNATIONAL DAY – CONSERVATION OF MANGROVE (26/07/2024)

On July 26, 2024, the International Day for the Conservation of the Mangrove Ecosystem was observed, an event that highlighted the critical importance of mangrove ecosystems as unique, fragile environments that link land and sea. "The State of the World's Mangroves 2024" report, emphasizing the threats facing mangroves, such as habitat loss and climate change impacts like rising sea levels and increased storm intensity. The day serves to raise awareness and promote solutions for their conservation, protection, and sustainable management.

The Significance of Mangrove Ecosystems

- **Biodiversity Hotspots:**

Mangroves are rich ecosystems that support a wide array of marine and terrestrial life, serving as crucial nurseries and habitats.

- **Coastal Protection:**

They act as natural barriers, slowing coastal erosion and reducing the destructive power of storm surges and rising sea levels.

- **Carbon Sinks:**

Mangrove soils are powerful carbon sinks, playing a vital role in mitigating climate change.

- **Economic Value:**

These ecosystems enhance food security by providing protective habitats for fish and other marine species, which in turn support coastal communities.

Threats to Mangroves

- **Habitat Loss:**

Mangrove coverage has been halved over the last 40 years, and they are disappearing at a rate three to five times faster than other global forests.

- **Climate Change:**

Rising sea temperatures and sea levels are major threats, causing thermal stress, impeding growth, and increasing coastal erosion.

- **Obstacles to Migration:**

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Human development and other physical barriers prevent mangroves from migrating inland to escape rising waters, a phenomenon known as "coastal squeeze".

To raise the Awareness about Mangrove Ecosystem in students, the International Day for the Conservation of the Mangrove Ecosystem day is celebrated by planting the Tree in the college.



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WORLD INTERNATIONAL CONSERVATION DAY (29/07/2024)

World Nature Conservation Day in 2024 was observed on Sunday, July 28th. The 2024 theme was "Connecting People and Plants, Exploring Digital Innovation in Wildlife Conservation," with a broader focus on raising awareness and promoting sustainable practices to protect natural resources and biodiversity for future generations.

Key Aspects of World Nature Conservation Day 2024

- **Date:**
July 28th.
- **Theme:**
"Connecting People and Plants, Exploring Digital Innovation in Wildlife Conservation".
- **Purpose:**
To highlight the vital role of conserving the Earth's natural resources, fostering a harmonious relationship between humans and the environment, and promoting sustainable practices.
- **Significance:**
In 2024, the day emphasized the urgent need to address environmental challenges such as climate change, pollution, biodiversity loss, and deforestation.
How it is observed:
- **Awareness campaigns:**
Various events, seminars, and programs are held globally to educate people about the importance of nature conservation.
- **Advocacy:**
The day serves as a platform to advocate for policy changes and international cooperation to enhance environmental protection.
- **Community action:**
Individuals and communities are encouraged to adopt sustainable practices, such as reducing, reusing, and recycling, and taking steps to minimize their ecological footprint.

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- **Digital innovation:**

The 2024 theme specifically focused on leveraging digital technologies to support and advance wildlife conservation efforts.

To raise the awareness about the conservation of the ecosystem in the students the sapling are collected from the college premises. The program was conducted in collaboration with the department of Botany, HOD of Botany Department, Dr. M. I. Warhade guide the students for proper collection strategies for saplings of plant. The sapling are grown in controlled environment in the lab for replanting them the field.



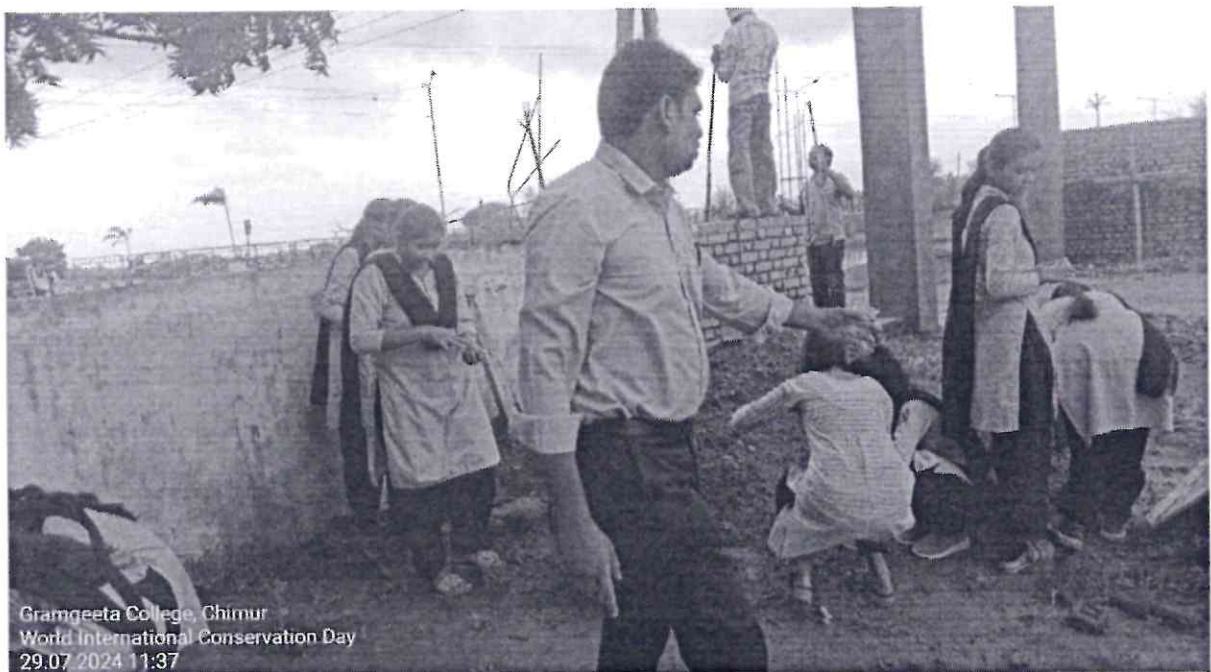
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Tree Plantation 'Ek Ped Maa Ke Naam' Campaign (31/07/2024)

The Hon'ble Prime Minister launched the 'Ek Ped Maa Ke Naam' campaign on 5th June, 2024 on the occasion of World Environment Day. This campaign draws a parallel between the nurturing of nature by Mother Earth and the nurturing of human lives by our mothers.

NSS Volunteers of the Gramgeeta Mahavidyalaya, Chimur has planted about 50 saplings of 10 local tree species under the initiative "Ek Ped Maa ke Naam". The event is organised by the department of NSS and Eco Club under the guidance of the Officiating principal Dr. Humeshwar Anande. Dr. Bijankumar Shil, Dr. Sumedh Waware, Prof. Sandeep Meshram, Prof. Rohit Chandekar, Dr. Mrunal Warhade, Prof. Pradnya Khobragade, Shri. Mansarmji Ghodmare and about 56 NSS volunteers actively participated in this event. The event was created on 'My Bharat Portal'.



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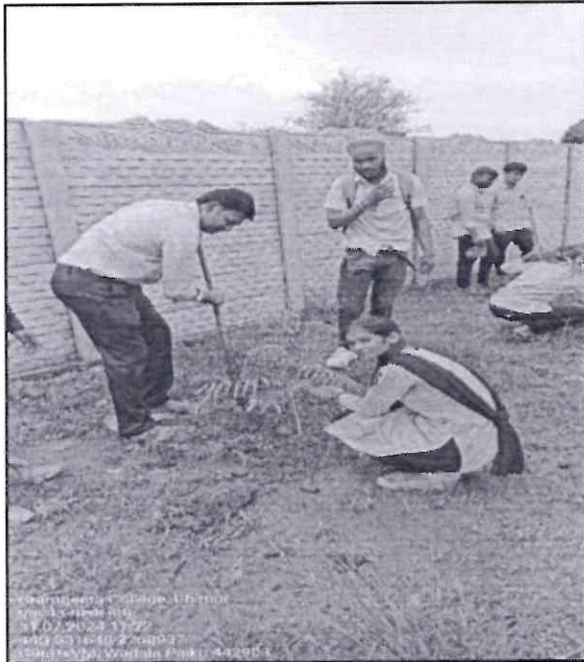
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No Vehicle Day (07/08/2024)

A No Vehicle Day in college is a recurring or one-time event where students and staff are encouraged to forgo their personal vehicles to promote environmental consciousness, reduce pollution, and encourage the use of sustainable transportation like walking, cycling, and public transport. Colleges organize these days to raise awareness about environmental issues such as global warming and the benefits of a greener campus, often involving activities to make the event successful.

Objectives of a No Vehicle Day

- Reduce pollution: Minimize vehicular emissions of poisonous gases into the atmosphere.

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- Promote sustainable transport: Encourage the use of eco-friendly options like cycling and public transportation.
- Increase environmental awareness: Educate the college community about the environmental impact of fossil fuels.
- Conserve fuel: Reduce the overall consumption of fuel.
- Foster community and health: Promote a culture of conscious commuting and an active lifestyle.

"The college has successfully implemented the initiative of observing 'No Vehicle Day' every Wednesday under the guidance of the officiating principal Dr. H. D. Anande Sir. This initiative aims to reduce vehicular emissions within the campus and promote an eco-friendly and sustainable environment. On this day, all teaching and non-teaching staff, as well as students, actively participate by avoiding the use of personal vehicles and opting for walking, cycling, or shared transport wherever possible. The program has not only contributed to reducing air and noise pollution but has also encouraged awareness among the campus community about the importance of adopting environmentally responsible practices.



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Tree Plantation – Independence Day (15/08/2024)

On the occasion of Independence Day, the college organized a tree plantation drive under the guidance of the officiating principal. All teachers were instructed to bring a sapling for plantation, and students were also encouraged to actively participate by contributing saplings. The event was conducted with the active involvement of the Eco Club members, who played a key role in coordinating and executing the program successfully.

A total of more than 70 saplings were collected from both teachers and students, which were then planted across the college premises. This initiative aimed to enhance the green cover of the campus, promote environmental awareness, and instill a sense of responsibility among the students and staff towards nature conservation.

The program not only marked the celebration of Independence Day with a meaningful environmental action but also reflected the collective commitment of the college community to sustainable development.



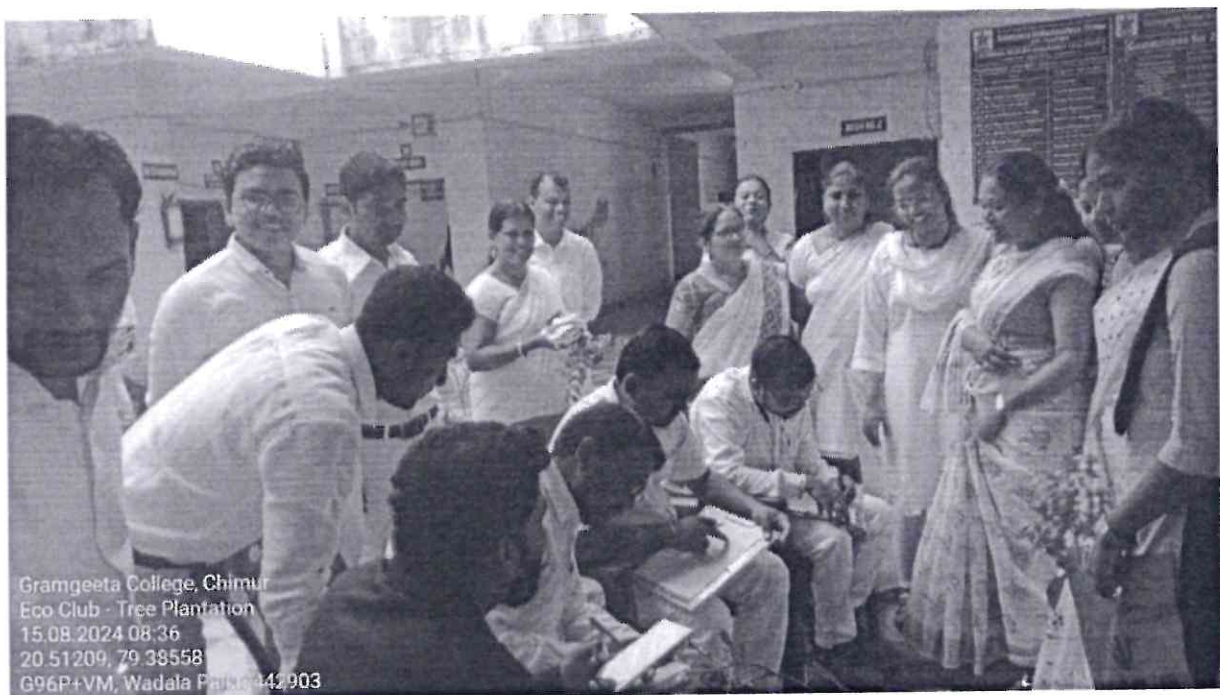
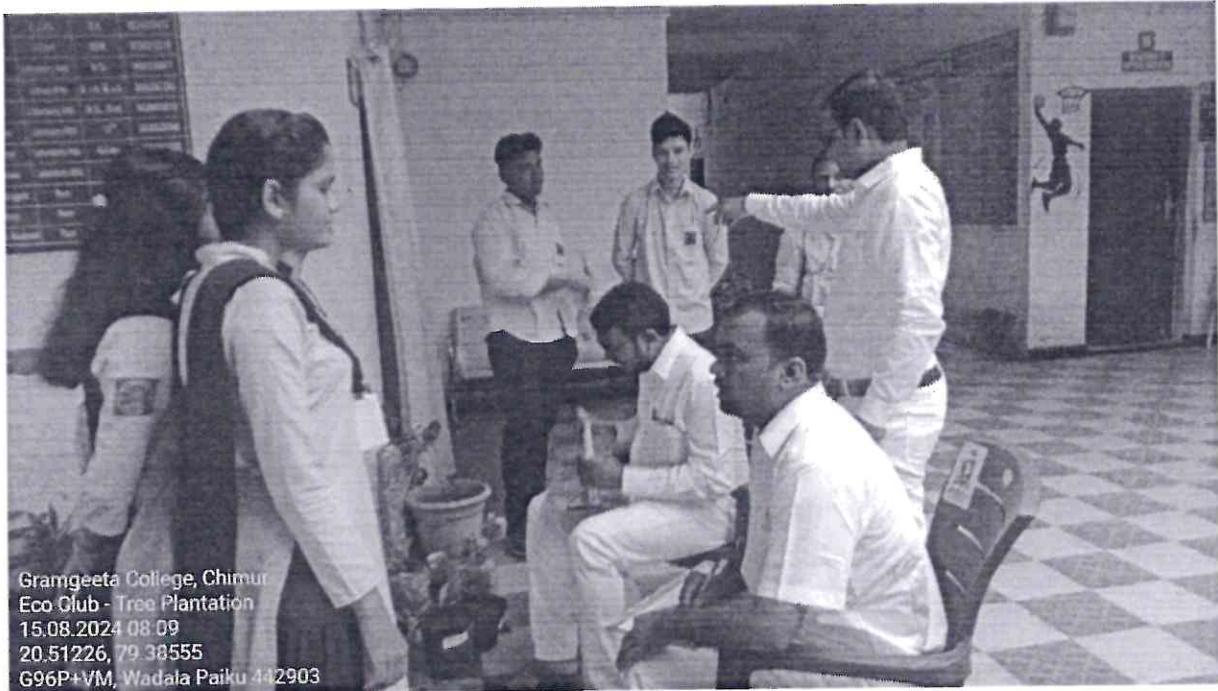
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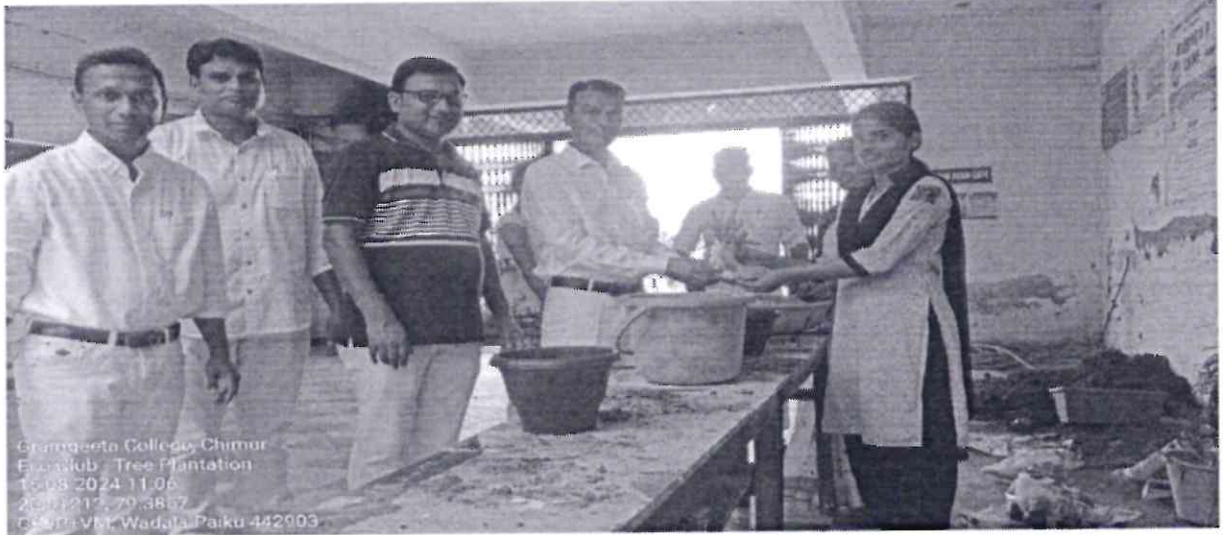
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Convener


Principal
Principal
Gramgeeta Mahavidyalaya
Chimur, Dist. Chandrapur