

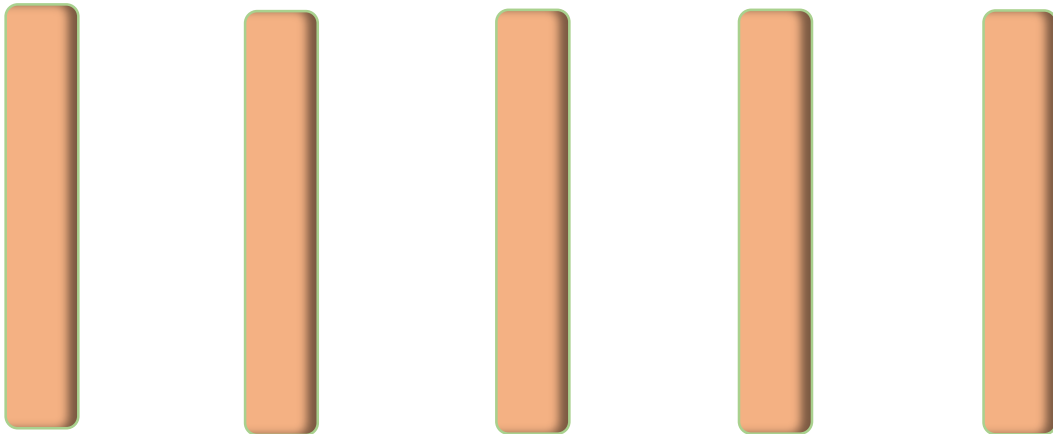


LiFE
Lifestyle for Environment

75
Azadi Ka
Amrit Mahotsav

Report: Programme on Global Environmental issues and its impacts January-2025

Act on Preventing Climate Change
, Before It's Too Late



Save Energy



Save Water



Say No to Single
Use Plastic



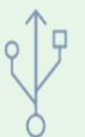
Adopt Sustainable
Food Systems



Reduce Waste



Adopt Healthy
Lifestyles



Reduce E-waste

Title: Awareness Programme On Global Environmental Issues and its Impacts

Venue: Conference room, GCPC EIACP PC-RP, Gandhinagar , Gujarat

Date: 23-01-2025

An awareness program on global environmental issues was organized by the Gujarat Cleaner Production Centre (GCPC) EIACP (PC-RP) under the leadership of Dr. Bharat Jain, Coordinator of EIACP (PC-RP), and with the guidance of Ms. Priyanka Joshi, Programme Officer, EIACP (PC-RP). The event brought together 35 students from various colleges pursuing M.Sc. and engineering degrees.

The primary objective of the program was to educate students about the pressing environmental challenges faced globally and to inspire them to adopt sustainable practices in their personal and professional lives. The program focused on raising awareness about climate change, pollution, resource depletion, and biodiversity loss, and provided students with the tools and knowledge to engage in meaningful environmental conservation efforts.

The event began with the registration of the participants, followed by an introduction to the students. This allowed the facilitators to better understand the academic backgrounds of the attendees, which included students from diverse disciplines such as environmental science, engineering, and other fields.

Mr. Jayendra Rajora, Information Officer at GCPC EIACP (PC-RP), began the session by introducing the mission of EIACP (PC-RP) and its role in promoting environmental sustainability through awareness programs. He explained that the goal of the session was to not only inform the students about environmental issues but also equip them with practical knowledge about how they can contribute to mitigating these challenges at both individual and industrial levels.

Mr. Rajora then commenced the main presentation, beginning with a comprehensive introduction to climate change and its global consequences. He explained how human activities, such as the burning of fossil fuels and deforestation, have led to an increase in greenhouse gas emissions, contributing to global warming. He further discussed the urban heat island effect, where cities experience significantly higher temperatures than surrounding rural areas due to infrastructure, industrial activities, and limited green spaces.

Mr. Rajora also provided insights into the depletion of the ozone layer, largely caused by the release of chlorofluorocarbons (CFCs), and the global efforts to mitigate this problem, such as the Montreal Protocol.

The presentation then delved into other critical environmental issues, including air and water pollution, forest fires, soil degradation, and the impact of climate change on agriculture. Mr. Rajora shared real-world examples of each issue, citing major incidents such as the devastating bushfires in Australia and California's forest fires, which have been exacerbated by climate change. The issue of agriculture and soil degradation was also covered, with a focus on unsustainable agricultural practices that lead to soil erosion and desertification.

In addition, Mr. Rajora discussed the challenges posed by floods and droughts, which are becoming more frequent and severe as a result of climate change. He explained how rising sea levels, caused by the melting of polar ice caps and thermal expansion of seawater, pose a major threat to coastal areas.

The session also touched on ocean acidification, a process by which increasing CO₂ levels are lowering the pH of ocean waters, endangering marine life, particularly coral reefs and shellfish. Lastly, Mr. Rajora highlighted the issue of acid rain, which is caused by the emission of sulfur dioxide and nitrogen oxides from industrial activities, leading to damage to ecosystems and human health.

To balance the discussion, Mr. Rajora also presented positive case studies of environmental restoration and conservation efforts. He highlighted successful water restoration initiatives in Laporiya Village in Jaipur, Rajasthan, and Hiware Bazar in Ahmednagar, Maharashtra, where communities had actively worked together to restore local water bodies and improve water management. These case studies demonstrated how collective efforts can result in significant environmental improvements and inspire other communities to adopt sustainable practices.

Throughout the presentation, Mr. Rajora emphasized the importance of international agreements and protocols, such as the **Paris Agreement**, **Kyoto Protocol**, and **Montreal Protocol**, which aim to tackle climate change and environmental degradation on a global scale. He also discussed the positive impacts of these agreements, including the reduction in the use of ozone-depleting substances and the gradual shift towards renewable energy sources worldwide.

As the session came to a close, Mr. Rajora engaged the students in a discussion about what actions can be taken at both individual and industrial levels to combat these environmental challenges. He encouraged the students to adopt sustainable practices, such as reducing waste, conserving water, and minimizing energy consumption.

He also discussed the importance of promoting environmentally friendly technologies and advocating for stronger environmental policies and regulations.

The students were motivated to think critically about how their future careers, particularly in engineering and science, could contribute to solving environmental problems through innovative solutions.

In conclusion, the awareness program was highly successful in educating the students about the urgency of addressing global environmental issues.

The session not only provided them with valuable knowledge about the causes and effects of environmental degradation but also inspired them to take action in their own lives and future careers. With the guidance of Dr. Bharat Jain, Ms. Priyanka Joshi, and Mr. Jayendra Rajora, the students gained a deeper understanding of the role they can play in protecting the environment and mitigating the impacts of climate change.

The event concluded with an expression of gratitude from the organizers to all participants for their active involvement in the discussions. The program served as a powerful reminder of the collective responsibility we all share in preserving the planet for future generations.

Photos of the Event





