



Abhivyakti

E-MAGAZINE
DEPARTMENT OF COMPUTER
SCIENCE AND ENGINEERING

Future Institute of Engineering and Management

e-magazine / Volume 1 2023



National Pollution Control Day & National Energy Conservation Day

National Pollution Control Day (December 2nd) and National Energy Conservation Day (December 14th) both emphasize environmental responsibility. Pollution Control Day raises awareness about the impact of pollution, urging the adoption of cleaner technologies. Energy Conservation Day focuses on reducing energy consumption through efficient practices and technologies, promoting a sustainable future. Together, they highlight the interconnectedness of pollution control and energy conservation for a healthier planet.



From the *EDITOR*

"Welcome to the inaugural edition of our Departmental Wall Magazine, "Abhivyakti." This collection reflects the creativity and ideas of our students and staff, serving as an illuminating chronicle for our department. The colorful pages express a fusion of information and imagination, highlighting the potential of our talented students. Our heartfelt thanks go to all contributors, both seen and unseen, who made this first volume exceptional. Best wishes for the continued success of "Abhivyakti!"



Faculty Mentors:

Prof. Maitreyee Ganguly
Prof. Manjushree Chakraborty
Mrs. Sonali Das

Core Committee Members:

Neetish Shyamal (CSE1, 2nd Year)
Soumili Saha (CSE2, 2nd Year)
Nadini Das (CSE3, 2nd Year)
Saikat Prasad Naru (CSE3, 2nd Year)
Ahana Talukdar (CSE1, 1st Year)
Subhanu Majumder (CSE1, 1st Year)
Sounak Sarkar (CSE1, 1st Year)
Rajjyashree Raychaudhuri (CSE1,
1st Year)

CONTENTS

PAGE 1

*National Energy
Conservation Day 2023*

PAGE 2

Green Horizons
Inovative photography

PAGE 3

CONTROL POLLUTION,
ENERGY
PRESERVATION AND
GREEN ENERGY

PAGE 4

The Imperative of
Pollution Control
Through Energy
Preservation and Green
Frang

PAGE 5-6

Artworks

National Energy Conservation Day 2023

National Energy Conservation Day, observed annually on December 14th, is an initiative led by the Bureau of Energy Efficiency (BEE) to promote sustainable energy practices. It serves as a reminder of limited energy resources and the importance of reducing energy consumption to protect the environment. The day involves various activities nationwide, such as seminars and workshops, to raise awareness about energy conservation. In light of climate change and energy security challenges, the significance of this day has grown. To contribute to a sustainable future, individuals are encouraged to adopt energy-efficient habits, use public transportation, plant trees, and educate others about the importance of energy conservation. The BEE, established under the Energy Conservation Act, 2001, collaborates with stakeholders to formulate policies aimed at reducing the energy intensity of the Indian economy. Celebrating Energy Conservation Day involves taking small steps in daily life to make a substantial impact on conserving energy and ensuring a greener future.

-Dr. Jaydip Nath

Head of the Department, Computer Science and Engineering



Green Horizons

–Prof. Maitreyee Ganguly
Assistant Professor,
Computer Science and Engineering

Environmental advocate Dr. R.K. Sharma, while vacationing in a small town, noticed alarming pollution levels and excessive energy consumption. Moved by the residents' challenges, he formed a group to address the issues. Encouraging energy conservation, he promoted simple steps like using energy-efficient appliances and solar energy. Initially met with resistance, the town gradually embraced the changes, witnessing positive transformations. Dr. Sharma organized waste management workshops, advocated for eco-friendly transport, and collaborated with businesses to implement green technologies. The town, once plagued by pollution, blossomed into an eco-friendly haven, showcasing the success of collective efforts for a sustainable lifestyle.

–Niladri Mondal
Computer Science and Engineering, 1st Year



-Neetish Shyamal
Computer Science and Engineering, 2nd Year

CONTROL POLLUTION, ENERGY PRESERVATION AND GREEN ENERGY

Reducing pollution can be achieved through the practice of the 3RS concept: Reduce, Reuse, and Recycle. For instance, reusing items like plastic bags and bottles helps minimize pollution. Another key strategy is energy preservation, involving the conscientious use of equipment and lights. Turning them off during idle times and opting for ENERGY STAR certified compact fluorescent lighting can save significant energy. Additionally, embracing green energy from natural, renewable sources, such as solar power, reduces the environmental impact compared to fossil fuels, contributing to a cleaner atmosphere.

-Raj Yadav
Computer Science and Engineering, 1st Year



-Sounak Sarkar

Computer Science and Engineering, 1st Year



-Biltu Jana

Computer Science and Engineering, 1st Year

The Imperative of Pollution Control Through Energy Preservation and Green Frang

Green Energy, derived from renewable sources like solar, wind, renewable geothermal power represents a pivotal: Shift away from fossil fuels. Unlike traditional energy, sources, green energy is sustainable produces minimal pollution and mitigates the impact of climate change!

Pollution control has become a urgent global imperative with effects of environment and the adverse degradation becoming increasingly evident. At this challenges lies the need for innovative solutions that prioritize energy preservation.

-Sambardhana Mallick

Computer Science and Engineering, 1st Year



-Ritacheta Jana

Computer Science and Engineering, 1st Year



-Soumili Saha

Computer Science and Engineering,
2nd Year



-Debanshi Dutta

Computer Science and Engineering, 2nd Year

Artworks



-Prof. Manjushree Chakraborty
Assistant Professor,
Computer Science and Engineering



-Shreya Das
Computer Science and Engineering, 1st Year