



# Global Group of Institutions

## Affiliated to MAKAUT, WB

### Institution's Innovation Cell Quarter- II Activity Report (2024-25)

#### Institute Innovation Cell(IIC)

Institute Innovation Cell (IIC) of Global Group of Institutions is established to inculcate the culture of Innovation amongst the students with the help of Faculty members. The foremost purpose of the cell is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes during their course of technical education or to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.

#### **Aim**

To establish a platform to develop cognitive abilities among the students and create a vibrant innovative environment in the Institute

#### **Objectives/(As laid down by the MHRD, Govt. of India)**

- To conduct various innovation and entrepreneurship-related activities in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini challenges etc. with the involvement of industries.

Dr. Sunanda Hazra  
Associate Professor, HIT.  
A WEBINAR  
"National Energy Conservation Day"  
Saturday, Dec 14th- 10:30 am onwards

Moderators:  
Mr. Kaushik Mazumder  
(Assistant Professor)

# A Webinar on National Energy Conservation Day

## Brief Overview of the Webinar:

Speaker: Dr. Sunanda Hazra  
Organized by: Global Group of Institutions  
Date: 14<sup>th</sup> Dec, 2024  
Platform: Google Meet (Online Mode)  
Audience: Students, Faculty

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## **Introduction**

The webinar on National Energy Conservation Day was organized to raise awareness about energy conservation and sustainable practices. This event aligns with the mission of promoting environmental sustainability and responsible energy consumption among students and faculty. This event aimed to enlighten participants on how small, consistent efforts toward conserving energy can contribute significantly to sustainable development. It also sought to inspire individuals to take responsibility for reducing their carbon footprint and actively participate in building a greener future.

National Energy Conservation Day, observed annually on December 14th, serves as a reminder of the need to use energy efficiently and adopt renewable energy sources. The webinar aimed to harness this occasion to educate students and faculty about practical steps for energy conservation and the broader implications of their actions on the planet.

## **2. Objective**

The primary objective of the webinar was to educate and empower participants with knowledge about energy conservation and its critical role in achieving environmental sustainability. Specifically, the webinar sought to:

- **Raise Awareness:** Highlight the importance of National Energy Conservation Day and its relevance in the context of global energy challenges.
- **Promote Behavioral Change:** Encourage participants to adopt energy-efficient practices in their daily lives, both at home and in the workplace.
- **Provide Practical Solutions:** Share actionable tips and strategies for reducing energy consumption, such as the use of energy-efficient appliances and renewable energy technologies.
- **Foster Innovation:** Inspire participants to think creatively about addressing energy challenges and to contribute ideas for sustainable energy solutions.

- **Educate on Policy and Initiatives:** Inform participants about government policies, programs, and incentives related to energy conservation and renewable energy adoption.
- **Encourage Collaborative Efforts:** Motivate students and faculty to take collective actions, such as conducting energy audits, initiating conservation drives, and participating in sustainability projects.
- **Empower Future Leaders:** Equip students with the knowledge and tools necessary to become advocates for energy conservation and environmental stewardship in their communities.

By addressing these objectives, the webinar aimed to create a lasting impact on participants, driving them to take conscious steps toward building a sustainable future.

### 3. Details of the Event

**Speaker:** Dr. Sunanda Hazra

**Designation:** Associate Professor at Haldia Institute of Technology

**Topic:** "National Energy Conservation Day "

#### Participants:

- Students: 265
- Faculty Members: 10

### 4. Key Highlights of the Session

Dr. Sunanda Hazra delivered an insightful presentation that covered a wide range of topics crucial for understanding and implementing energy conservation strategies. Key highlights included:

- **Historical Context:** An overview of the origins and significance of National Energy Conservation Day, shedding light on India's energy conservation initiatives and their global impact.
- **Global Energy Challenges:** Discussion on the rising demand for energy, the depletion of non-renewable resources, and the urgent need for transitioning to renewable energy sources.
- **Energy-Saving Techniques:** Practical methods to reduce energy consumption in households, educational institutions, and workplaces, including energy-efficient appliances, behavioral changes, and smart technology integration.
- **Role of Renewable Energy:** Exploration of solar, wind, and other renewable energy sources as viable alternatives to conventional energy, with examples of successful implementations in various sectors.
- **Case Studies:** Real-world examples of energy conservation practices and their tangible benefits, showcasing how collective action can lead to significant energy savings and environmental preservation.
- **Government Initiatives:** An overview of policies and programs launched by the government to promote energy conservation, such as energy labeling and star ratings for appliances.

The session was enriched by Dr. Hazra's engaging delivery style, which combined technical expertise with relatable examples, making complex concepts accessible to all participants.

**Interactive Q&A:** A lively question-and-answer segment followed the presentation, where participants posed questions about practical challenges and innovative solutions in energy conservation. Dr. Hazra provided tailored advice and encouraged participants to initiate small but impactful changes in their daily routines.

## 5. Participant Engagement

- **Polls and Quizzes:** Short quizzes conducted during the webinar to test participants' knowledge on energy conservation.
- **Feedback Survey:** A post-event survey indicated a high level of satisfaction, with over 90% of participants rating the webinar as "Excellent."
- **Interactive Discussions:** Participants actively engaged with the speaker, posing over 20 questions during the Q&A session.

## 6. Outcomes and Benefits

- Increased awareness about energy conservation among participants.
- Actionable strategies for reducing energy consumption in households and institutions.
- Inspiration to adopt renewable energy technologies.

## 7. Conclusion

The webinar was a resounding success, achieving its goal of educating and inspiring participants to contribute to energy conservation. We extend our heartfelt gratitude to Dr. Sunanda Hazra for her valuable insights and to all the participants for their enthusiastic engagement.

## 8. Recommendations

To build on the momentum generated by this webinar, the following actions are recommended:

- Organizing follow-up workshops focusing on practical energy-saving techniques.
- Initiating campus-wide energy audits and conservation drives.
- Encouraging students to take up energy conservation projects as part of their curriculum.

## 9. Acknowledgments

We thank the Global Group Of Institutions and also the Guest Speaker for their efforts in planning and executing this event. Special thanks to AICTE for providing the platform to share knowledge on such an important topic.

## 10. Supporting Documents

- Screenshots of the webinar sessions.
- Attendance list of participants.
- Feedback survey results.

Meet - NATIONAL ENERGY

meet.google.com/yrd-gkgj-ift

Sunanda Hazra (Presenting, annotating)

### Topics to be discussed

- Background
- Objective
- Energy Conservation
- Power Sector Scenario
- Energy Saving Initiatives
- Renewable Energy and EV for reducing global warming and climate change

10:46 AM | NATIONAL ENERGY CONSERVATION DAY

264

global group (You) Meeting host

People

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DEBAJIT MANNA

SURESH DAS

NAYAN NANDA

SAYANDIP MAITY

RITIKA MAITI

SUSMITA DINDA

GARGI MANNA

Contributors 264

SOURADIP D... BIDISHA MAL... MOUTRISHA ... ARKA MAITY SANDIP SAM... 255 others global group

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Meet - NATIONAL ENERGY

meet.google.com/yrd-gkgj-ift

Sunanda Hazra (Presenting, annotating)

### "National Energy Conservation Day (India)" 14<sup>th</sup> December, 2024

Celebrated by  
Global Group of Institutions, Haldia, W.B

GLOBAL GROUP OF INSTITUTIONS

Webinar on  
"Importance of Energy Conservation and Impacts of Renewable Energy Resources for Sustainable Future"

Presented by  
Dr. Sunanda Hazra  
Associate Professor  
Department of Electrical Engineering  
Haldia Institute of Technology

10:44 AM | NATIONAL ENERGY CONSERVATION DAY

265

global group

People

Mute all Add people

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IN MEETING

Raised hands 15

(first to last) Lower all

SOURADIP DAS

BIDISHA MAITY

MOUTRISHA BHUNIA

ARKA MAITY

SANDIP SAMANTA

RATNADIP MISHRA

257 others

Meet - NATIONAL ENERGY

meet.google.com/yrd-gkqj-ibx

Sunanda Hazra (Presenting, annotating)

### INDIA'S ENERGY DEMAND & INTERNATIONAL SOLAR ALLIANCE

- India is the third largest consumer of energy after USA and China. It is also the quickest growing energy consumer in the world crossing \$11 trillion figure of oil equivalent in 2016. India's energy needs are projected to increase at the rate of 4.2 per cent during 2017-20.
- The International Solar Alliance (ISA) is an action-oriented, member-driven, collaborative platform for increased deployment of solar energy technologies as a means for bringing energy access, ensuring energy security, and driving energy transition in its member countries.
- The ISA was conceived as a joint effort by India and France to catalyze efforts against climate change through deployment of solar energy solutions. It was conceptualized on the sidelines of the 21st Conference of Parties (COP21) to the United Nations Framework Convention on Climate Change (UNFCCC) held in Paris in 2015.
- With the announcement of its Framework Agreement in 2016, all member states of the United Nations are now eligible to join the ISA. At present, 111 countries are signatories to the ISA Framework Agreement.

11:35 AM | NATIONAL ENERGY CONSERVATION DAY

Participants: Payel Rana, BIDISHA MAITY, MOUTRISHA BH..., global group, global group, Sudipta Jana, SOUMEN JANA, 220 others, global group

Meet - NATIONAL ENERGY

meet.google.com/yrd-gkqj-ibx

Sunanda Hazra (Presenting, annotating)

11:48 AM | NATIONAL ENERGY CONSERVATION DAY

Participants: Payel Rana, BIDISHA MAITY, MOUTRISHA BH..., global group, global group, Sudipta Jana, SOUMEN JANA, 214 others, global group