

ABOUT THE INSTITUTION

Haldia Institute of Technology (An Institute of ICARE, Haldia, Approved by AICTE, Affiliated to MAKAUT) began its journey in the year 1996. It is the first private and accredited academic institution offering technical education in West Bengal. The Institute is situated at Haldia, an industrial hub in Eastern India. Since its inception, Haldia Institute of Technology has been dedicated to the objectives of creating highly trained professional manpower in various disciplines of Engineering, Technology, and Social Science. The Institute is also dedicated to the contribution of higher scientific research in Technology as well as in Applied Science and Social Science. The institute offers 4-year UG (B. Tech) degree courses in EE, ECE, AEIE, CE, ME, IT, CSE, Chemical, Biotechnology, Cyber Security, Data Science, and AI & ML. It also offers PG courses in Chemical, CSE, ECE, BT, ME, MBA, and MCA. It has been accredited with grade A by NAAC, and all of the departments are NBA accredited. The institute has received the prestigious NIRF ranking by MHRD and holds the second position among all the private engineering institutes in West Bengal.

ABOUT THE DEPARTMENT

The Department of Applied Electronics and Instrumentation Engineering (AEIE) at Haldia Institute of Technology, established in 1996, is dedicated to excellence in academics and research. The department focuses on core areas of instrumentation while embracing emerging fields such as **automation, renewable**

energy, biomedical engineering, robotics, mechatronics and IoT. With innovative teaching, industry collaboration, and research-driven learning, AEIE prepares students to become skilled professionals capable of driving technological advancement and sustainable development.

The mission of the department is to:

1. Produce quality engineering graduates with the capacity to serve the arena of science, engineering, teaching, research, entrepreneurship, and management.
2. Add skill-set such as communication parameters, ethical inputs, and nurture the characteristics of lifelong learning.
3. Ensure the capability of working in a team effectively in different environments and to add tenacity to build a work workforce.

The Department offers a 4-year B.Tech degree in AEIE comprising 8 semesters. Students are motivated and trained up for GATE/GRE/TOEFL/CAT by our faculty members. Since its inception, the Department has been accredited by the National Board of Accreditation (NBA) five times.

Mode of the programme: Online
Online Platform: GOOGLE MEET

Registration Link:

<https://forms.gle/BzsCGW9x76oc3tDp8>



No Registration Charges

Contact Email: hodaeie.hit@gmail.com



HALDIA INSTITUTE OF TECHNOLOGY

One Week Faculty Development Programme

On

Sustainable Mobility and AI-driven Renewable Technologies (SMART 2025)

Date-22ndSept. 2025 to 26th Sept. 2025

Organized by

Dept. of

***Applied Electronics and
Instrumentation Engineering (NBA
Accredited, Tier-I)***

***In Association with
IQAC, HIT***

HALDIA INSTITUTE OF TECHNOLOGY

An Autonomous, NAAC Accredited Grade 'A'
Institute,
Affiliated with
Maulana Abul Kalam Azad University of
Technology

ABOUT THE PROGRAMME

Department of Applied Electronics and Instrumentation Engineering provide high-quality education that inspires the students to realize their aspirations and potential. The Department has planned a one-week faculty development program on **Sustainable Mobility and AI-driven Renewable Technologies (SMART 2025)**.

Sustainable mobility refers to transportation systems that are designed to meet the mobility needs of society while minimizing environmental impacts, reducing greenhouse gas (GHG) emissions, and improving quality of life. It integrates **cleaner energy sources**, efficient infrastructure, and smart operational strategies. In parallel, **AI-driven renewable technologies** leverage artificial intelligence to optimize the generation, storage, and utilization of clean energy resources such as solar, wind, and bio-energy. This FDP focuses on the convergence of these fields is shaping the future of energy and transportation, enabling intelligent, low-carbon, and adaptive systems.

HONORABLE SPEAKERS

Date	Name	Topic
22/09/25	Prof Shyam Singh Chandel, Director, Centre of Excellence in Energy Science & Technology, Shoolini University, Solan, Himachal Pradesh.	<i>Towards sustainable research development and innovation in renewable energy technologies</i>
23/09/25	Prof. Ratan Mandal Professor and Director, School of Energy Studies, Jadavpur University.	<i>Renewable energy as a sustainable energy solutions</i>
24/09/25	Dr. S. Sashirekha, Associate Professor, CSE Department NITTTR, Chennai.	<i>Advancing Sustainable Futures through AI- Driven Innovation</i>
25/09/25	Dr. R. Suja Mani Malar, Associate Professor, EE department NITTTR, Chennai.	<i>AI and ML in EV Technologies</i>
26/09/25	Mr. T. R. Balaji Manager - Emerging Technologies, Edutech India Pvt. Ltd.	<i>E mobility and Autonomous solutions</i>

CHIEF PATRON



Dr. Lakshman Chandra Seth, (D. Litt.)
Chairman, HIT

Advisory Committee

- **Prof (Dr.) Tarun Kanti Jana**, Principal, HIT
- **Dr. Anjan Mishra**, Registrar General, HIT
- **Prof (Dr.) Dilip Dey**, Dean, School of Engineering, HIT

Convenor

- **Prof (Dr.) Uday Maji**, Professor and HoD, Dept. of AEIE, HIT

Coordinator

Dr. Madhumita Das, Assistant Professor, Dept. of AEIE, HIT

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Dr. Asim Halder, Associate Professor, Dept. of AEIE, HIT
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Dr. Somak Karan, Asst. Professor, Dept. of AEIE, HIT
Mrs. Sweta Bijali, Asst. Professor, Dept. of AEIE, HIT
Mr. Rohan Mandal, Asst. Professor, Dept. of AEIE, HIT