Dr. Ambedkar Institute of Technology for Divyangjan, Kanpur

Department of Electronics Engineering

Professor Rachna Asthana

Head of Department

HOD's Desk

Department of Electronics Engineering was started in the year of 2004. The department is especially designed for Divyangjans .Through this journey of 21 years, the state-of-the-art infrastructure is developed with all facilities like e-class rooms and laboratories with latest equipment, hardware and software. The department is having experienced senior faculty. We ensure overall development of our students by organizing academic initiatives in the department for research, innovations, skills enhancement and interdisciplinary interactions. Outcome based learning is implemented in teaching learning process. There is also a center of excellence in the department of electronics engineering established with the support of **Texas instruments**.

Vision

To prepare competent Electronics Engineering who can effectively contribute towards building harmonious society by providing environment friendly technological solutions .

Mission

M1: To provide state of the art technical education to the students.

M2: To groom students with leadership, transparency, accountability and professional ethics.

M3: To upgrade the faculty and supporting staff to enhance their knowledge through relevant pedagogical activities.

M4: To develop labs to impart state of the art practical knowledge to students.

M5: To provide inclusive education environment for students to make them proficient for higher education and industry.

Program Educational Objective

PEO1 : To provide students the basic concepts of engineering and applied sciences to have successful carrier in academia, industries associated with electronics engineering or successful entrepreneurs with human values.

PEO2 : To prepare students with necessary technical skills to critically analyze and find the economically feasible and environment friendly solutions of real life technical problems.

PEO3 : To develop skills of management, communications and team work to serve the society as competent and responsible citizens.

Program Outcomes

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

PSO1 : Students will be able to design, analyze and to provide solution to real life engineering problems by obtaining knowledge of electronics engineering course.

PSO2 : Students should be able to establish skill to apply advanced software and hardware in real life engineering problems.

ALUMNI TALK

The department successfully organized three highly engaging alumni talk sessions, offering students valuable opportunities to interact with experienced graduates. These sessions focused on a range of important topics, including in-depth strategies for GATE preparation, practical career guidance, and firsthand industry insights. Each session was designed to be interactive, allowing students to ask questions, clarify doubts, and gain motivation directly from alumni who have excelled in their respective fields.

- ***Session 1:Mr. Rudra Sen Pal (2012-16) AE , UPRUVNL***
- ***Session 2:Mr. Sudhanshu Bajpai (2007-11) Hoover, USA***
- ***Session 3:Mr. Saurabh Kumar (2009-13) Bureau Veritas Product Quality Inspector***

INDUSTRIAL VISIT

The department organized an industrial visit focused on practical learning and career insights, offering students valuable roadmaps, tips, and hands-on experiences.

Raipur, (Rania), Kalpi Road, Distt. Kanpur Dehat

BSNL , MALL ROAD KANPUR

Expert Lecture

The department held expert alumni talks on GATE strategies, career planning, and industry insights, helping students clarify doubts, gain motivation, and learn from real-world experiences through engaging and interactive sessions.

Lecture1: Railway Signaling by **Mr. Ajay Verma**
Lecture 2: Virtual Labs By **Mr. Dhananjay Umrao**
Lecture 3: International Career Insights for Engineering students by Mr. **Sudhanshu Bajpai**
Lecture 4: Industry Connect: Current Opening & Career Tracks for ECE By **Mr. Saurabh Kumar**

ALUMNI THOUGHT

Reflecting on my journey at AITD as an Electronics Engineering student, "Being a part of AITD has been one of the most enriching phases of my life. The knowledge, friendships, and experiences I gained here have shaped not just my career but also my perspective towards life. I will always cherish the guidance of my professors and the vibrant campus environment that encouraged me to dream big and stay grounded. No matter where life takes me, AITD will always be home."

AVINASH SAROJ,
PHD student
NIT JALANDHAR
2012-2016 Electronics Engineering

STUDENT'S ACHIEVMENTS

Internship:

- DRDO
- POWERGRID
- INFOSYS SPRINGBOARD
- EREPNICS PVT.LTD.

TOPPER

Amit Tiwari. 2101660300011
Jyoti Patel. 2201660300029

GATE QUALIFICATION :

ASHOK PAL	ATUL VERMA	AMAN KUMAR SRIVASTAVA
GAURAV KUMAR	NIKHIL PANDEY	NITENDRA YADAV
PALLAVI CHAUDHARY	PRANSHU VERMA	PRINCE CHAURASIA
PRINCY KUSHWAHA	PRIYANSHU SINGH	RANA RAJVEER SINGH
RISHABH YADAV	RUDRANSH RAI	

COMPANIES VISITED:

1. RINIX
2. EDUSTRATION
3. Statcon Energiaa Pvt. Ltd
4. Quality Austria Central Asia.
5. Ingen Technology Pvt. Ltd.
6. Teamlease Service Pvt. Ltd. for Havells India Ltd.

PHOTO'S