

Department of Instrumentation

Activities 2024-2025

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1. **Orientation:** The Department organized its Orientation Programme for first-year students on 29 August, 2024 with the objective of acquainting the new batch with the academic framework, faculty members, and departmental initiatives. The programme commenced with a welcome address by the Teacher-in-Charge, Dr. Daya Bharadwaj, who warmly greeted the students and introduced them to the department's vision and ethos. This was followed by an overview of the curriculum and the wide range of co-curricular opportunities available. Senior students also shared their experiences, offering practical guidance and words of encouragement to help the newcomers adapt with ease. The orientation proved to be an enriching and informative session, providing the freshers with a comprehensive introduction to the department and ensuring a smooth transition into their academic journey.

Number of Participants: 40



2. **Teacher's Day Celebration:** The Department students, along with faculty and non-teaching staff, celebrated Teacher's Day on 5 September, 2024. The celebration successfully honored the dedication and contributions of educators and staff, creating a memorable occasion for all.



- 3. Workshop on Exploring Advanced Functionality of Electronic Instruments for Testing and Measurement:** The Department organized a two-day hands-on workshop on “Exploring Advanced Functionality of Electronic Instruments for Testing and Measurement” on 3rd and 4th October, 2024. The workshop aimed to enhance participant’s practical knowledge of advanced electronic instruments utilized in testing and measurement. It covered key topics such as the operation and advanced functionalities of oscilloscopes, function generator modes, precision measurement using multimeters, and troubleshooting techniques. In addition to hands-on sessions, the workshop included expert talks on the topics: 1. Way Ahead: INDIA to be semiconductor hun, 2. Artificial intelligence transformative effect- semiconductor industries”, 3. 75 years of transistors shaping the past powering the future, 4. Igniting innovation-Opening your IEEE student branch” and 5. Women Empowerment- catalyzing change in the next wave. The event provided an enriching learning experience, equipping participants with practical skills in electronic testing and measurement while offering valuable insights into industry advancements and research opportunities.
- **Resource Person (Invited Talk):** Mr. Preet Yadav (Head of India Innovation ecosystem, NXP Semiconductors), Prof Manoj Saxena (Department of Electronics, Deen Dayal Upadhyay college, University of Delhi and Chairperson IEEE EDS Delhi chapter) , Senior Professor Mridula Gupta (Department of Electronics Science, UDSC and past chairperson, IEEE EDS Delhi chapter), Prof. Rachna Garg (Head of the department of Electrical Engineering, Delhi Technological University and Chairperson, Students activity committee, IEEE Delhi section), Dr. Rashmi Agarwal (Department of Electrical Engineering, JC Bose University of science and technology, YMCA, Faridabad and Chairperson, Women in engineering affinity group IEEE Delhi section)
 - **Resource Person (Workshop):** Mr. Mithun Chandra Das and Ms. Akanksha Srivastava (Agmatel Pvt Ltd .)
 - **Number of Participants:**70





4. **Technical Fest:** Organized TECHNEXUS' 24, the annual technical fest, on 23 October, 2024. The event encompassed a series of intellectually stimulating competitions, including technical quizzes, innovation challenges, and interactive mini-events, designed to foster analytical thinking, creativity, and technical proficiency. With enthusiastic participation and a collaborative spirit, the fest served as a dynamic platform for knowledge exchange, innovation, and skill development.

- **Number of Participants:**100





5. **Department Council Elections:**The Department Council Elections were held on 27 September, 2024, with enthusiastic student participation. Candidates campaigned actively, promoting leadership and representation. The elections encouraged democratic values, allowing students to elect representatives who would contribute to the department's academic and extracurricular growth, ensuring a vibrant and engaging student community.



6. **DL Talk:** The department organized a DL talk titled “**Physical Reservoir Computing: An AI Technique for Intelligence on the Edge**” on 19 March, 2025. The talk provided valuable insights into reservoir computing and its applications in AI, fostering academic discourse and inspiring further research. The event witnessed enthusiastic participation from students and significantly enriched their academic experience, leaving a profound and enduring impact on all attendees.
- **Resource Person:** Professor Merlyne De Souza (Full Professor in Electronics at The University of Sheffield and a Distinguished Lecturer of the IEEE Electron Devices Society)
 - **Number of Participants:** 45



7. **Excursion Trip:** The department organized an excursion to Vishalgarh Farms on April 9, 2025, offering students, faculty and non-teaching staff an enjoyable outdoor experience. The visit provided a mix of recreational activities, outdoor sports, and a glimpse into village life, allowing participants to unwind and explore a rural setting. The trip served as a refreshing break from academic routines, fostering relaxation and cultural appreciation in a lively and engaging environment.
- **Number of Participants:** 31



8. Session on Mindfulness and Happiness: A session on Mindfulness and Happiness was organized by the department on April 16, 2025, with the objective of fostering mental well-being and self-awareness among students. The program comprised guided breathing exercises and various activities designed to promote relaxation and alleviate stress. The session further emphasized the significance of incorporating mindfulness into daily life and its integral role in enhancing happiness. Overall, the interactive activities cultivated a calm and positive environment.

- **Resource Person:**
- **Number of Participants: 25**

