

SEMINAR REPORT

Event : Seminar on the **use of Artificial Intelligence in the Electronics Industry**
Date : **November 19, 2025**
Venue : **DIST, New Delhi**
Participants : **B.Tech(CSE) students and accompanying faculty**

On November 19, 2025, a group of B.Tech(CSE) students from the Delhi Institute of Science and Technology, accompanied by faculty members Dr Bhaskar Gupta (Director), Mr Sachin Kaushik, Dr Ayushi Mittal and Dr Saarthak Dulgaj, participated in a seminar at DIST, Delhi. The seminar focused on exploring the role of Artificial Intelligence in the Electronics Industry, intelligent systems, and modern manufacturing processes.

The session was conducted by **Mr Pawan, an industry expert specialising in AI-driven automation for electronics applications**. He delivered an insightful briefing on how Artificial Intelligence is transforming the electronics sector. Students were introduced to real-world use cases such as intelligent quality inspection, predictive maintenance of electronic systems, automated PCB testing, and AI-powered manufacturing workflows.

Mr Pawan explained how AI models are integrated with sensors, embedded systems, and IoT devices to enhance performance and reliability in electronic products. He discussed the processes of data collection, signal processing, and real-time decision-making in electronics manufacturing. The students also learned how AI algorithms are used to detect component failures, optimise power efficiency, and improve overall product design.

Overall, the seminar was a valuable learning experience that enabled students to connect theoretical AI concepts with real industrial applications. The insights provided by **Mr Pawan** highlighted how AI is driving innovation in the electronics sector and preparing industries for the next generation of intelligent electronic systems.

We extend our heartfelt gratitude to the team at LG Electronics Pvt. Ltd., especially **Mr Pawan**, for their guidance, support, and for providing such an enriching educational opportunity for our students.


Photographs



DELHI INSTITUTE OF SCIENCE AND TECHNOLOGY

Name of Program: Seminar by LG Electronics Date: 19/11/25

Roll no.	Name of student	Signature
5CSE001	Vartika	<u>Vartika</u>
25CSE002	Aryan	<u>Aryan</u>
25CSE003	Swati Jha	<u>Swati Jha</u>
25CSE005	S.M Rehan Alam	<u>S.M Rehan Alam</u>
25CSE008	Shushant	<u>Shushant</u>
25CSE009	Angel Jain	
25CSE010	Vedant Giri	<u>Vedant</u>
25CSE011	Kaustabh Rajwar	<u>Kaustabh</u>
25CSE012	Anushka	<u>Anushka</u>
25CSE015	Nandini Sharma	<u>Nandini</u>
25CSE017	Pratishtha	<u>Pratishtha</u>
25CSE018	Vansh Srivastava	<u>Vansh</u>
25CSE020	Dipesh Teli	<u>Dipesh</u>
25CSE021	Aditya Sharma	<u>Aditya</u>
25CSE022	Akshat Gupta	<u>Akshat</u>
25CSE023	Manan Bhardwaj	<u>Manan</u>
25CSE024	Mehul Singh	<u>Mehul</u>
25CSE025	Dhruv	<u>Dhruv</u>
25CSE028	Dhruv	<u>Dhruv</u>
25CSE029	Divya	
25CSE031	Subhi	<u>Subhi</u>
25CSE032	Reshma	<u>Reshma</u>
25CSE033	Aditi Singh	<u>Aditi Singh</u>
25CSE034	Shivam Sharma	<u>Shivam</u>
25CSE035	Sakshi Sharma	
25SCE009	Priyanshu	<u>Priyanshu</u>


Bharat
 Director 19.11.25