



One Day Technical Visit of Electrical Engineering Students to CIIIT Baramulla on 26-11-2025.

Advancing its commitment to industry-aligned technical education, Kashmir Government Polytechnic College Srinagar hosted an engaging technical visit for fifth-semester Electrical Engineering students to the Centre for Invention, Innovation, Incubation & Training (CIIIT), Baramulla on 26-11-2025. The Visit placed a major emphasis on Electrical Vehicles and Manufacturing Execution Systems (MES), highlighting their pivotal roles in modern automation, sustainable mobility, and smart manufacturing.

Accompanied by Head of Department (HOD), Er. Masrat Mehraj, and Er. Saima Wani, Lecturer-I in Electrical Engineering, along with other faculty and staff, the students delved into specialized modules at CIIIT Baramulla. Key sessions covered EV battery management and charging infrastructure integrated with IoT, and MES platforms for real-time production monitoring and optimization. In particular, students were given in-depth information related to the working of electrical vehicles, including Battery Management Systems (BMS), types of batteries used such as lithium-ion and solid-state variants, motors employed like permanent magnet synchronous motors and induction motors, and other critical components like power electronics and regenerative braking systems.

This targeted focus was intended to equip students with actionable expertise in high-demand areas, bridging academic concepts with practical implementations and preparing them for roles in automated industries, green transportation, and digital manufacturing ecosystems.

Students conveyed their deep appreciation to HOD Er. Masrat Mehraj and the faculty for curating this focused experience. "Exploring EV and MES in such depth has transformed our understanding—it's not just theory anymore; we can envision building these systems ourselves," shared a student, voicing the shared excitement.

On the occasion, HOD Er. Masrat Mehraj thanked the Principal of KGPC Srinagar for their vital support. "With PLC, EV, and MES at the forefront of industrial evolution, this visit is a game-changer for our students. Our sincere gratitude to the Principal for enabling these forward-thinking opportunities that shape competent, future-proof engineers," stated Er. Masrat Mehraj.

Dr. Shafquat Ara, Principal of KGP Srinagar lauded the initiative, affirming the college's strategic priorities. "KGP Srinagar is at the vanguard of preparing students for technologies like PLC, EV, and MES that define tomorrow's industries. This collaboration with CIIIT Baramulla empowers our Electrical Engineering cohort to innovate in automation and sustainability, fueling Jammu & Kashmir's economic and technological growth."





