

Workshop on “Robotics Components & Showcase of Components”
Organized by Engineering Technology Society, Electrical Engineering Department
Date: 08 September 2025

The Engineering Technology Society of the Electrical Engineering Department successfully organized a highly engaging workshop titled “**Robotics Components & Showcase of Components on Robotics, Drones, and Futuristic Technologies**” on **08 September 2025**. The event drew remarkable participation from students eager to explore cutting-edge innovations.

☐ **Insightful Session by Society Mentor**

The workshop commenced with a knowledgeable and thought-provoking lecture delivered by **Society Mentor, Mr. Lokesh Bhardwaj**. Known for his clarity and hands-on experience in robotics and advanced technologies, he introduced students to essential robotics components, sensor systems, drone mechanisms, microcontrollers, and the emerging landscape of futuristic tech.

His session blended theory with real-world applications, making even complex concepts feel refreshingly simple. Students appreciated his practical demonstrations and the classic wisdom he sprinkled throughout—reminding everyone that true innovation stands on the shoulders of time-tested fundamentals.

☐ **Encouragement from the Head of Department**

Head of Department & Society Mentor, Mr. Gajendra Singh Rawat, motivated the students with his inspiring words. He highlighted the department’s commitment toward fostering technical excellence and expressed pride in the Society’s consistent efforts. His message emphasized that learning beyond textbooks is what shapes real engineers—steadfast advice that resonated with many attendees.

☐ **Experience-Based Guidance from Coordinators**

The workshop and showcase were smoothly executed under the guidance and coordination of:

- **Mr. Gajendra Singh Rawat**
- **Mr. Lokesh Bhardwaj**
- **Mr. Aviral Awasthi**

Their teamwork ensured that every demonstration, component explanation, and hands-on activity ran seamlessly. Students gained valuable insights into building and testing electronics for robotics and drones, exploring motor drivers, sensors, ESCs, flight controllers, and AI-assisted modules.

☐ ☐ **Dedicated Contribution of Student Coordinators**

The success of the event was greatly supported by an enthusiastic team of student coordinators who handled logistics, demonstration setups, crowd management, and technical assistance. The student coordinators were:

- Prince Sharma
- Dhruv Sharma
- Dhruv Pathak
- Nitin Joshi
- Aryan Kapoor
- Ankush Bhatt

Their commitment ensured that every participant had a smooth learning experience, proving once again that good teamwork is the backbone of every well-run academic event.

☐ **Robotics & Futuristic Tech Showcase**

The component showcase drew special attention, displaying various robotic parts, drone accessories, autonomous navigation modules, and innovative technological prototypes. Students interacted with the exhibits, asked questions, and explored future opportunities in robotics, embedded systems, and unmanned vehicle technologies.

☐ **Conclusion**

The workshop proved to be an enriching platform that strengthened technical understanding and inspired students to move ahead confidently in the domains of robotics and modern engineering technologies. The collective hard work of mentors, coordinators, and volunteers turned the event into a memorable and impactful learning experience.













