

SNJB's Shri Hiralal Hastimal (Jain Brothers, Jalgaon) Polytechnic, Chandwad

(All AICTE affiliated Programs NBA Accredited)

IEI Students' Chapter of Electronics and Telecommunication Engineering Department

The Department of Electronics and Telecommunication Engineering at SNJB's Shri Hiralal Hastimal (Jain Brothers, Jalgaon) Polytechnic, Chandwad, in association with the IEI Student Chapter, plans to conduct the following activities:

1. Workshops and Seminars

- **Technical Workshops:** Hands-on workshops on cutting-edge technologies relevant to electronics and telecommunication, such as VLSI design, IoT in communication systems, and signal processing.
- **Expert Seminars:** Seminars conducted by industry professionals and academic experts on advancements in telecommunications, 5G technology, and career opportunities in electronics engineering.

2. Technical Symposiums and Paper Presentations

- **Annual Technical Symposium:** A symposium where students present research papers and technical projects related to electronics, communication systems, and digital technologies.
- **Paper Competitions:** Organize paper presentation competitions on emerging trends in telecommunications, like wireless communication, embedded systems, and AI in electronics.

3. Industrial Visits and Study Tours

- **Industry Visits:** Planned visits to electronics manufacturing companies, telecom firms, and research labs to give students hands-on exposure to industry practices.
- **Study Tours:** Visits to power plants, telecommunication hubs, and electronics research facilities to understand real-world applications of academic concepts.

4. Technical Quizzes and Competitions

- **Technical Quiz Competitions:** Quizzes focused on topics like digital electronics, microcontrollers, and telecommunication systems to test and enhance student knowledge.
- **Hackathons and Coding Challenges:** Events where students can solve practical problems through coding, innovation in embedded systems, and hardware programming.

5. Hands-on Project Development

- **Mini Project Exhibitions:** Encourage students to develop innovative mini-projects in areas such as automation, robotics, or wireless communication, and showcase them to peers and faculty.
- **Prototype Development:** Support the development of prototypes, particularly those that align with current trends in telecom technologies and signal processing.

6. Soft Skill and Professional Development

- **Leadership and Communication Workshops:** Workshops focusing on enhancing leadership, team collaboration, and effective communication for electronics engineers.
- **Resume Building and Interview Preparation:** Sessions to help students develop professional resumes and prepare for interviews with companies in the telecom and electronics sectors.

7. IEI Membership Drives and Awareness Programs

- **IEI Membership Drives:** Drive awareness about the benefits of IEI membership, offering access to industry conferences, journals, and networking opportunities.
- **Participation in IEI Events:** Encourage students to attend IEI regional and national events for networking and skill development.

8. Social and Community Engineering Projects

- **Sustainable Development Projects:** Engage students in projects that focus on solving local issues, such as energy-efficient communication systems or automation for rural infrastructure.
- **Community Initiatives:** Develop projects like low-cost communication systems for rural areas, integrating renewable energy, and improving telecom infrastructure.

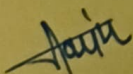
9. Research and Innovation Support

- **Collaborative Research:** Facilitate student research in collaboration with the IEI, especially on topics like signal processing, wireless communication, and telecommunication networks.
- **Innovation Labs:** Provide resources and support to develop innovative ideas in areas such as sensor networks, communication protocols, and automation systems.

10. Annual Engineering Day Celebration

- **Engineer's Day Events:** Special activities on Engineer's Day, including expert lectures, exhibitions of student projects, and discussions on the role of electronics and telecom in societal development.
- **Awards and Recognition:** Recognize outstanding student projects and faculty contributions with awards on Engineer's Day or during annual department functions.

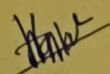
These activities aim to enhance students' practical knowledge, technical skills, and professional readiness, preparing them for successful careers in electronics and telecommunication engineering.



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