

Smt Indira Gandhi College of Engineering, Navi Mumbai

Department of CSE IOT CSBC

Internet of Things Club (IOT CLUB)

1. Introduction

In alignment with NEP 2020, industry requirements, and outcome-based education, the Department of CSE (IoT) & CSBC proposes to establish an IoT Club to promote hands-on learning, innovation, and technical competency among students in the field of Internet of Things.

2. Objectives of the IoT Club

- To enhance practical knowledge of IoT technologies
- To encourage project-based and experiential learning
- To organize workshops, seminars, hackathons, and competitions
- To bridge the gap between industry and academia
- To promote research, innovation, and startups in IoT domain
- To support students in certifications and internships

3. Target Participants

- Students of CSE IoT CSBC
- Interested students from other engineering branches

4. Faculty Coordinators

Faculty In-Charge: Prof Sarita Bopalkar

5. Proposed Activities

- Hands-on IoT workshops
- Expert lectures from industry professionals
- Mini projects and product development
- Industrial visits
- Participation in national-level competitions
- Student mentoring and research support

6. Expected Outcomes

- Improved technical skills and employability

- Enhanced innovation and teamwork
- Better academic and placement performance
- Contribution to institute's accreditation and ranking

Vision of IoT Club

To cultivate technically competent, innovative, and socially responsible engineers by fostering excellence in Internet of Things (IoT) technologies through experiential learning, industry collaboration, and research-driven activities.

Mission of IoT Club

1. To provide hands-on exposure to emerging IoT tools, platforms, and technologies through workshops, projects, and labs.
2. To encourage innovation, problem-solving, and product development addressing real-world and societal challenges.
3. To bridge the gap between academia and industry by organizing expert talks, industrial visits, and internships.
4. To promote research, certifications, and entrepreneurship in IoT and allied domains.
5. To develop teamwork, leadership, and ethical professionalism among students.

7. Conclusion

The formation of the IoT Club will significantly contribute to holistic student development and strengthen the department's academic ecosystem