



J.B.INSTITUTE OF ENGINEERING & TECHNOLOGY
(UGCAUTONOMOUS)

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Department of Computer Science & Engineering

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CIRCULAR

This is to inform all the III and IV Year students that the Department of Computer Science and Engineering, JBIET is organizing **SMART INNOVATION HACKTHON** on **26th and 27th September 2023**. All the students are hereby informed to utilize this opportunity and must participate this event.

HOD-CSE

Circulated to:

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Introduction

The **Smart India Innovation Hackathon (SIH)** is a nationwide initiative aimed at providing students with a platform to solve pressing real-life problems faced by government departments, industries, and society. It encourages innovation, creativity, and problem-solving skills among young minds. The hackathon acts as a bridge between industry and academia, enabling students to develop workable, innovative solutions using emerging technologies.

Objective

The main objective of the Smart India Innovation Hackathon is to:

- Promote innovation and creativity among students.
- Encourage the use of technology to solve real-world challenges.
- Provide a platform for young innovators to showcase their talent.
- Foster collaboration and teamwork.
- Develop practical and scalable solutions for social and industrial problems.

Event Details

- **Event Name:** Smart India Innovation Hackathon 2025
- **Organized by:** Department of CSE
- **Date:** 26&27 September
- **Venue:** J.B.Institute of Engineering and Technology
- **Participants:** Students from various departments participated in the event.

Description of Activities

The hackathon consisted of multiple stages:

1. **Problem Statement Selection:**
Teams selected problem statements provided by different government and industrial sectors.
2. **Idea Submission:**
Each team presented their innovative ideas and proposed solutions through a concept note.
3. **Prototype Development:**
Shortlisted teams worked on developing functional prototypes using coding, IoT devices, AI tools, and other technologies.

Problem statement in Smart Innovation Hackathon 2023

- SIH1290 Development of AI, ML and Chat bot-powered Interactive Robot Mascot (Chacha Chaudhary) and digital avatar to strengthen the river people connect component of Namami Gange.
- SIH1295 Dashboard for real-time monitoring of construction projects.
- SIH1297 AI Based Drone Application
- SIH1325 AI Assisted Tele-medicine KIOSK for Rural India
- SIH1340 Application for Assessment of Quality of Textbook/ Reference Books/ E- Book
- SIH1343 Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms
- SIH1345 Startup-AYUSH Portal
- SIH1354 Using technology to develop a moving/mobile education system/software or equipment so that the children of nomadic communities such as Bakarwals /Gujjars can have proper education at least till primary.
- SIH1362 Student dropout analysis for school education
- SIH1363 Self-identifying the mental health status and get guidance for support.
- SIH1358 Image correctness for a product on marketplace
- SIH1369 Online integrated platform for projects taken up by the students of various universities/colleges
- SIH1370 Real time monitoring of infrastructure development
- SIH1380 Intelligent chatbot to answer queries pertaining to various Maintenance Processes within Substation
- SIH1383 Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.

Outcomes

- Students gained hands-on experience in developing real-time solutions.
- The event fostered teamwork, problem-solving, and design thinking skills.
- Several innovative ideas were generated that could potentially be implemented in practical scenarios.

- Participants gained exposure to national-level competition and collaboration.

Conclusion

The **Smart India Innovation Hackathon** was a successful and inspiring event that motivated students to think creatively and work collaboratively to solve real-world problems. It provided an excellent platform to nurture innovation and contribute to the vision of a “Digital and Self-Reliant India.”



Fig: Addressing the Guest on to the dias in Smart innovation hackthon-2023



Fig: Students are presenting their ideas to solve the given problem in Smart innovation hackthon-2023

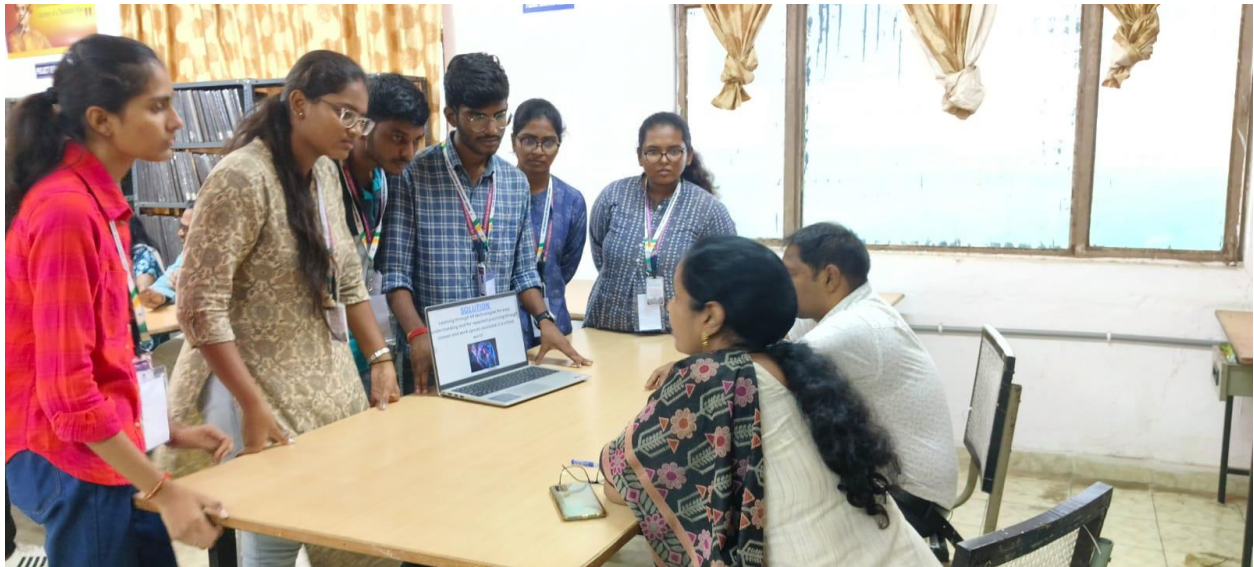


Fig: Students are presenting their ideas to solve the given problem in Smart innovation hackthon-2023



Fig: Presenting Participation certificates to the students in Smart innovation hackthon 2023