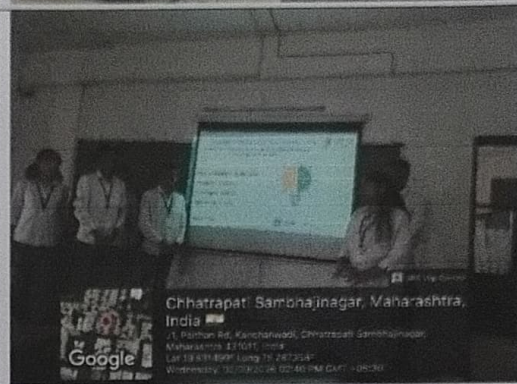
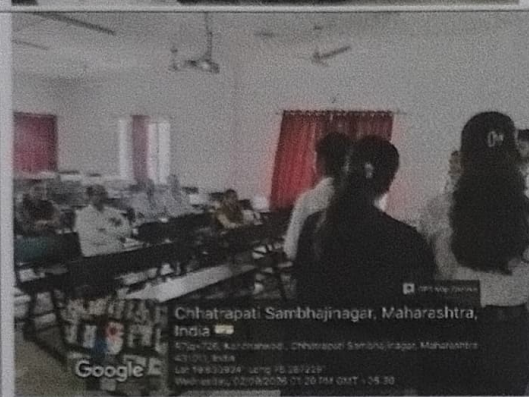


Department of Electronics and Computer Engineering
Research & Development Cell (R&DC) and Institution Innovation Council Activity Report

Name of the event:	DEPARTMENT LEVEL INTERNAL HACKATHON 2026					
Date:	02,03 Sept 2026.					
Under the Initiative:	Department Level Internal Hackathon - Research & Development Cell (R&DC) and Institution Innovation Council Activity					
Team Details:	Registered : 17	Participating: 17	Software Teams :11	Hardware Teams :06	Shortlisted:	Waitlisted:
Names and designations of Jury Members	Name: Dr.T.D.Shep Designation:Associate Prof Name: Dr.P.G.Thombre Designation:Assistant Prof		Name: Dr.P.R.Wankhede Designation:Associate Prof Name: Prof.A.V.Khake Designation:Associate Prof		Name: Prof.B.R.Pawar Designation:Assistant Prof Name: Prof.D.P.More Designation:Assistant Prof	
Target Audience:	Second Year, Third Year and B.Tech Final Year ECE Students					
Registration Link:	https://forms.gle/S4BUMnKWbnJiiW8E7					
Venue / Platform / Mode:	B520 Offline					
Dept. Coordinator:	Prof. D. D. Darp					
Objective:	● Promote innovation and creativity among students by encouraging them to develop practical solutions to real-world problems. ● Identify and nurture technical talent in Electronics and Communication Engineering and related fields. ● Encourage interdisciplinary teamwork by bringing together students with diverse technical and creative skills. ● Develop industry-relevant skills such as programming, electronics design, IoT, embedded systems, AI/ML, communication technologies, and project management. ● Create awareness of the official Smart India Hackathon problem statements and familiarize students with its competition format and expectations.					
Overview	● The competition provides students with an opportunity to work in teams, understand practical problem statements, brainstorm innovative ideas, and develop prototypes or software-based solutions. ● The internal hackathon serves as a preparatory platform for the Smart India Hackathon, enabling students to improve their technical knowledge, teamwork, presentation skills, and problem-solving abilities. Faculty members and mentors guide participating teams throughout the ideation and development process.					
Participation	Total 17 Teams participated in the competition with various problem statements from SIH portal, out of which 11 statements were software based and 6 were hardware based.					

Key Outcomes:	● Enhanced problem-solving skills: Students learn to analyze real-world problems and develop practical, technology-based solutions. ● Improved teamwork: The competition strengthens collaboration, communication, leadership, and team-management skills. ● Prototype development: Students get experience in converting concepts and ideas into functional prototypes or software solutions. ● Interdisciplinary learning: Students integrate knowledge from electronics, communication, programming, data science, and other engineering domains. ● Socially relevant solutions: Teams are motivated to address challenges faced by society, government organizations, industries, and communities. ● Improved presentation skills: Students learn to effectively communicate their ideas, technical approaches, outcomes, and innovations to judges and mentors
Key observations, recommendations	Key Observations ○ Many participants effectively utilized emerging technologies such as AI/ML, IoT, embedded systems, automation, and software tools. ○ Mentoring and continuous guidance were found to be important in improving the quality and practicality of proposed solutions. ○ Prototyping of the problem statement of a few teams was up to the mark, while others required to work on prototyping. ○ Some teams required further support in problem analysis, technical feasibility, documentation, and time management. Key Recommendation ○ Organize workshops on AI/ML, IoT, embedded systems, cloud computing, cybersecurity, and other emerging technologies. ○ Encourage students to form multidisciplinary teams with complementary technical skills. ○ Provide access to laboratories, development boards, software tools, cloud platforms, and prototyping facilities. ○ Encourage successful teams to participate in external hackathons, innovation challenges, and the national-level Smart India Hackathon. ○ Maintain a repository of previous problem statements, project ideas, prototypes, and best practices to help future participants.
Conclusion:	The ECE Department Internal Smart India Hackathon Competition successfully provided students with a platform to apply their technical knowledge, creativity, and problem-solving skills to real-world challenges. The event encouraged innovation, teamwork, interdisciplinary collaboration, and hands-on learning while exposing students to emerging technologies and practical solution development.
Photo:	

Photo:



Event Geotag - Photographs of ECE Dept Internal Hackathon held on 02,03-Sept-2026.

Enclosure:

1. Copy of Official Event Circular .

Activity Report
Prepared by
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Dept. Coordinator

Dr. D.L.Bhuyar
HOD - ECE

Prof. P. D. Sathya
SIH - SPOC

Approved By
Dr. G. B. Dongre
Principal