



THE INSTITUTION OF
ENGINEERS (INDIA)
(IEI)



STUDENT CHAPTER ACTIVITY REPORT



ACADEMIC YEAR

2025-26

EVENT COORDINATORS

- Dr. B. S. Kapre
- Ms. N. L. Pariyal
- Ms. M. H. Khan

HEAD OF DEPARTMENT, CSE & AIML

Dr. A. M. Rajurkar

Mahatma Gandhi Mission's
COLLEGE OF ENGINEERING

Near Air-port, Hingoli Road, Nanded-431605.



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Extra-curricular Activity

Name of Activity: HackSpectra 2.0 – Metaverse: Code Beyond Reality	
Prepared by: IEI Coordinator	Date: 4th and 5th April 2026

Introduction:

The Department of CSE & AIML, in association with the Institution of Engineers (India) – Students' Chapter and the Google Developer Group (GDG), successfully organised a two-day national-level hackathon titled “HackSpectra 2.0 – Metaverse: Code Beyond Reality” on 4th and 5th April, 2026 at MGM's College of Engineering, Nanded. The event provided students with a dynamic platform to showcase their innovation, creativity, and technical expertise by developing real-world solutions within a rigorous twenty-four-hour window.

The hackathon was guided by an experienced panel of judges, comprising **Mr. Deepak Sar, Mr. Devendra Gadekar, Mr. Amit Mirkale, Mr. Dhananjay Kharade, and Mr. Vinod Malode**, all accomplished professionals from the technology industry. Their evaluation, mentorship, and real-world insight added significant value to the participants learning experience throughout the event.

The primary objectives of organizing the hackathon were:

- To provide students a platform to showcase innovation, creativity, and technical expertise.
- To encourage critical thinking, effective collaboration, and the building of impactful, real-world projects.
- To expose participants to modern technologies, tools, and industry practices.
- To strengthen problem-solving abilities and teamwork under time-bound, competitive conditions.
- To motivate students to pursue innovation-driven careers in technology.

Participants engaged in intensive, round-the-clock brainstorming, designing, and development, working in teams to build solutions addressing real-world problems. Guided by the judging panel and supported by faculty mentors, teams navigated the full product-development cycle — from ideation to a working prototype — within the allotted twenty-four hours.

Throughout the event, the judges and mentors engaged closely with participating teams, offering technical feedback, encouraging sound design thinking, and helping students



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connect their academic knowledge with practical, industry-relevant applications. Their presence added considerable depth and credibility to the evaluation process.

The program was graced by the presence of several distinguished dignitaries and academic leaders, including **Shri Kamal Kishor Kadam** (Chairman, MGM's College of Engineering), **Dr. Y. V. Joshi** (Former Director, SGGS Institute of Engineering and Technology, Nanded, and Former Director, Walchand College of Engineering, Sangli), **Dr. Geeta Lathkar** (Director, MGM's College of Engineering), **Dr. S. L. Kotgire** (Vice Principal and Principal, CS & IT), **Dr. U. V. Kulkarni** (Professor, SGGS Institute of Engineering and Technology, Nanded), and **Dr. A. M. Rajurkar** (Head, Department of CSE & AIML), along with the heads of other departments. The valedictory ceremony was compered by Ms. Ishwari Nandedkar and Mr. Pranjal Shahane.

The event was organized by the Department of CSE & AIML under the guidance of respected Director, **Dr. Geeta S. Lathkar**, and Head of the CSE Department, **Dr. Archana M. Rajurkar**. With the collective efforts of the organizing committee and IET coordinators, the event turned into a resounding success.

Activity Details:

- Date: 4th & 5th April 2026
- Duration: 24 Hours
- Location: MGM's College of Engineering, Nanded

Participants:

- Number of participants: Approximately 300
- Participation: Around 75 institutions across Maharashtra
- Class: Engineering Students (Various Branches)

Panel of Judges:

The evaluation process was overseen by the following industry professionals:

- **Mr. Deepak Sar** — Strategic Advisor and Partner, ITY Consulting (former IBM, Oracle, Hitachi, Tata Communications)
- **Mr. Devendra Gadekar** — Delivery Manager, Mastercard; Senior Software Architect specializing in Java, Spring Boot, and microservices
- **Mr. Amit Mirkale** — Assistant Vice President, Barclays; MGM College alumnus with expertise in Python and data engineering
- **Mr. Dhananjay Kharade** — SAP Master Data Governance (MDG) Professional, John Deere (former Capgemini, Colgate-Palmolive, TCS)



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- **Mr. Vinod Malode** — Senior Data Engineer, Genpact; skilled in Spark, Kafka, Databricks, AWS, and Azure

Outcome of the Event:

HackSpectra 2.0 proved to be a highly enriching and impactful experience for all participants. Students actively engaged in brainstorming, designing, and developing innovative solutions to real-world problems within a limited time frame.

The hackathon enhanced students' technical skills, teamwork, and problem-solving abilities. Participants gained hands-on experience in modern technologies, project development, and presentation skills. The event also provided exposure to industry practices and emerging technological trends.

The presence of the judging panel and industry experts helped students understand the practical applications of their ideas and encouraged them to pursue innovation-driven careers.

Relevance with Program Outcomes:

1. **Engineering Knowledge (PO1):**
 - Participants applied core engineering concepts to develop innovative and practical solutions.
2. **Problem Analysis (PO2):**
 - Students analyzed real-world challenges and proposed effective technological solutions.
3. **Design/Development of Solutions (PO3):**
 - Teams designed and developed working prototypes addressing societal and industrial problems.
4. **Modern Tool Usage (PO5):**
 - Participants used modern tools, programming languages, and frameworks during the hackathon.
5. **Teamwork (PO9):**
 - The event promoted collaboration, communication, and effective teamwork among participants.
6. **Lifelong Learning (PO12):**
 - The hackathon encouraged continuous learning, innovation, and adaptability to emerging technologies.



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Feedbacks:

- Feedback from Participants
 - Positive Aspects
 - *"The 24-hour hackathon pushed us to think on our feet and build something real within a tight deadline — it was an incredible learning experience."*
 - *"Getting direct feedback from industry judges helped us understand how our project could actually work in the real world."*
 - Areas for Improvement:
 - *"A short session on pitching and presentation skills before the final round would have helped teams present their ideas more confidently."*
 - *"Having more mentors circulate during the coding hours would have made it easier to get quick guidance whenever we got stuck."*

Overall, the feedback received from participants, mentors, and attendees was overwhelmingly positive. Students appreciated the well-organized structure of the hackathon, the opportunity to work on real-world problems, and the guidance provided by the judging panel. HackSpectra 2.0 was considered a grand success and a valuable learning experience for all.

Attachments:



Judges examining the projects



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Speech by the Judges for Hackspectra 2.0



Students explaining their tech projects with judges



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The winning team for HackSpectra 2.0

Faculty Coordinator:

Dr. B.S. Kapre

Himanshu U. Joshi

Dr. A.M. Rajurkar

HOD, AIML