



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (Deemed to be University)



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA

A Report on Awareness Program on "SIH 2026 – Department Level Internal Hackathon" Organized by Department of CSE (AI and ML) On 08.09.2026



Event Coordinators: Dr. Kurumalla Suresh, Associate Professor, Department of CSE (AI and ML); Mr. V. Sivaraman, Assistant Professor, Department of CSE (AI and ML); Mr. K. Manoj Kumar, Assistant Professor, Department of CSE (AI and ML).

Report Submitted by: Mr. V. Sivaraman, Assistant Professor, Department of CSE (AI and ML)

Resource Person Details: Mr. Subash P. Kuppusamy, Business Development Manager, R4 Aerospace and Defence Pvt. Ltd., Tamil Nadu

Participants: CSE (AI and ML) – 25 Teams (150 Students)

Venue: AB304

Mode of Conduct: Offline

Department of Computer Science and Engineering (AI and ML) organized awareness Program on SIH 2026 – Department Level Internal Hackathon” on 08.09.2026 (Tuesday).

Welcome Address:

Dr. Kurumalla Suresh, Associate Professor, Department of CSE (AI and ML) at Madanapalle Institute of Technology & Science (MITS), Madanapalle, delivered a warm welcome address to the gathering.

Keynote Address

Addressing the students, Dr. S. Padma, Associate Professor & Head, Department of CSE (AI & ML), MITS, emphasized that SIH provides students with an opportunity to move beyond classroom learning and apply their technical knowledge to real-world challenges. She encouraged students to approach the hackathon not merely as a competition, but as a platform to develop their problem-solving, innovation, teamwork, research, and technical skills.



Dr. S. Padma stated that students should focus on understanding the problem, identifying its root causes, studying existing solutions, and developing practical and innovative solutions. She particularly encouraged AI & ML students to explore the appropriate use of Artificial Intelligence, Machine Learning, Generative AI, Computer Vision, Natural Language Processing, IoT, Cloud Computing, and other emerging technologies to address societal and industry challenges.

Resource Person Lecture:

The department level hackathon evaluation for the Smart India Hackathon (SIH) 2026. Mr. Subash P. Kuppusamy, Business Development Manager at R4 Aerospace and Defence Pvt. Ltd., Tamil Nadu, served as the chief guest and expert resource person for the event. The program aimed to inspire student innovation, guide aspiring teams on national competition standards, and shortlist top-tier ideas to represent the institution at the college level.

Key Highlights of the Address:

Addressing a gathering of student innovators, faculty leads, and department heads, Mr. Kuppusamy emphasized the importance of aligning technical solutions with real-world industry requirements. Drawing from his experience in the aerospace and defence sectors, he outlined key strategies to excel in SIH 2026:

- **Understanding Problem Statements:** Thorough analysis of real-world problem statements issued by ministries and industries.
- **Feasibility & Prototype Focus:** Moving beyond theoretical presentations to build working, scalable, and practical hardware or software solutions.
- **Effective Team Structure:** Ensuring strong interdisciplinary collaboration across software, hardware, and domain knowledge.
- **Pitch & Documentation:** Presenting ideas clearly, demonstrating market viability, and structuring technical proposals effectively.

Internal Hackathon Evaluation & Shortlisting:

Participating student teams presented their prototype concepts, technical architecture, and pitch slides. Each project was evaluated on key parameters, including:

1. Innovation & Originality
2. Technical Feasibility & Prototype Progress
3. Relevance to Problem Statement
4. Presentation & Team Coordination

After detailed reviews and feedback sessions, shortlisted teams were selected to advance to the institute-level final selection round for official SPOC nomination to the national SIH portal.

Vote of thanks

The event concluded with a vote of thanks to Mr. Subash P. Kuppusamy for sharing valuable industry insights and mentoring the next generation of innovators. College management and department coordinators extended their appreciation to the chief guest for his continuous support in nurturing technical excellence on campus.

Outcomes:

At the end of session, students are able to

1. Understanding Industry Expectations for SIH 2026
2. Demonstrating Technical Feasibility and Prototyping
3. Applying Interdisciplinary Problem-Solving
4. Evaluating and Refining Project Concepts

UN-SDG Mapping:

SDG 2: Zero Hunger
SDG 4: Quality Education
SDG 3: Good Health and Well-Being
SDG 9: Industry, Innovation, and Infrastructure
SDG 11: Sustainable Cities and Communities