



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 “Internal Department Level Smart India Hackathon (SIH) – 2026” Organized by Department of CSE-Artificial Intelligence on 08.09.2026



Report Submitted by: Mr. Toralkar Pawan, Assistant Professor, Department of CSE–Artificial Intelligence.

Time: 9:10 AM to 5:00 PM

Mode of Conduct: Offline

Report Received on 16.09.2026.

Panel Members:

Dr. R. Nidhya, Professor, Department of Computer Science & Engineering

Dr. R. Manikandan, Assoc. Professor, Department of Computer Science and Technology (CST)

Dr. R. Praveen Kumar, Asst. Professor, Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) and Computer Science and Engineering (Networks)

Dr. R. Maruthamuthu, Asst. Professor, Department of Computer Applications.

Objectives of the Program:

- To provide students with a platform to identify and address real-world problems through innovative solutions.
- To develop problem-solving, critical-thinking, and technical skills among students.
- To encourage innovation, creativity, and entrepreneurial thinking through technology-driven solutions.
- To promote teamwork, collaboration, leadership, and effective communication among participants.
- To provide students with practical exposure to hackathon-based problem solving and solution development.
- To prepare and identify high-performing teams for participation at the Institute-Level SIH 2026.
- To encourage students to apply their academic knowledge and emerging technologies to practical challenges.



Report Summary:

The Department-Level Smart India Hackathon (SIH) 2026 was conducted to provide students with a platform to identify real-world challenges, develop innovative technology-based solutions, and demonstrate their problem-solving and teamwork skills. A total of 23 student teams participated in the departmental-level hackathon under the guidance of faculty mentors. The participating teams worked on diverse SIH problem statements and presented their proposed solutions before the evaluation panel. The event encouraged innovation, collaboration, creativity, technical skills, and practical application of knowledge. Based on the evaluation of the proposed solutions and presentations, the top-performing teams were shortlisted to represent the department at the Institute-Level SIH.



Outcomes of the Program:

23 student teams participated in the Department-Level SIH 2026, gaining practical exposure to innovation and hackathon-based problem solving.

- Students enhanced their technical, analytical, creative, and problem-solving skills by developing solutions to real-world challenges.
- The program strengthened teamwork, leadership, collaboration, and communication skills among participants.
- Students gained experience in solution ideation, technology selection, prototype development, and presentation.
- The event encouraged students to explore emerging technologies and innovative approaches to address societal and industry-related problems.
- High-performing teams were identified and shortlisted to represent the department at the Institute-Level SIH 2026.
- The program promoted a culture of innovation, creativity, entrepreneurship, and competitive spirit among students.



Program Outcomes (POs) Covered:

The Internal Department-Level Smart India Hackathon (SIH) 2026 contributed to the following Program Outcomes (POs) of the Computer Science and Engineering (Artificial Intelligence) program.

- PO1 – Engineering Knowledge: Students applied core computer science and AI concepts to formulate solutions for real-world SIH problem statements.
- PO2 – Problem Analysis: Teams analyzed complex, real-world challenges to identify root causes, constraints, and requirements before designing their solutions.
- PO3 – Design/Development of Solutions: Students designed innovative, technology-driven prototypes and solutions to address the assigned problem statements.
- PO5 – Modern Tool Usage: Participants explored and applied emerging technologies and modern tools during solution ideation and development.
- PO9 – Individual and Team Work: The hackathon was conducted in teams, fostering collaboration, shared responsibility, and effective coordination among members.
- PO10 – Communication: Students enhanced their technical communication skills by presenting their proposed solutions before an expert evaluation panel.
- PO11 – Project Management and Finance: Teams managed their time, resources, and roles effectively to complete solution development within the stipulated event duration.

