

## Department of Electronics and Computer Engineering

### REPORT OF

#### “RIT Hackathon 2025 (National Level Project Competition)”

**Date:** 21/03/2025 to 22/03/2025

**Time:** 24 hrs

**Venue:** Rajarambapu Institute of Technology (RIT), Rajaramnagar , Islampur , Sangli.

**Goal:** Goal of project Competition is to encourage participants' inventiveness and originality. These contests inspire students to think creatively and come up with original solutions to issues by giving them a stage on which to present their concepts and projects.

#### **Objective:**

The Project Competition, which took place on, 21/03/2025 to 22/03/2025, featured a wide variety of creative projects created by students. The purpose of the event was to encourage student innovation, teamwork.

**1. Encouraging originality and Innovation:** Goal of project Competition is to encourage participants' inventiveness and originality. These contests inspire students to think creatively and come up with original solutions to issues by giving them a stage on which to present their concepts and projects.

**2. Skill Development:** Participating in competitions gives individuals the chance to hone a variety of abilities, including technical proficiency, teamwork, communication, critical thinking, and problem-solving.

**3. Getting students involved:** Student participation in project Competition contests might help spread awareness of significant problems, advancements, or inventions. Participants' comprehension of the subject matter is deepened when they apply their theoretical knowledge to real-world projects through participation in the competition process.

#### **Benefits:**

**Academic Integration:**

- Students applied theoretical concepts from their coursework into practical, tangible representations.

**Teamwork and Collaboration:**

- Group projects encouraged collaborative efforts and shared accountability among students.

**About Event:**

- RIT-Hackathon 2025 is an national level event initiated to provide a platform for solving problems faced by our society and industrial bodies. It gives an opportunity to the students to put their innovative ideas into a useful product and thus boost their mindset towards creative projects.
- RIT-Hackathon 2025 involving students across India is being organized on Jan 2025 at Rajarambapu Institute of Technology. The purpose behind the 24 hours Hackathon is to attract talented brains into a working atmosphere and build-up solutions.
- Participants can choose to compete in various tracks, including:
  - Electrical Energy Systems
  - AI and Machine Learning
  - Embedded Systems and IoT
  - Mechanical and Mechatronics Systems
  - Robotics and Innovation
  - Software and Hardware (Diploma)
- The event was inaugurated by esteemed guests, including Prof. Dr. Marina Tropmann-Frick from Hamburg University of Applied Sciences, Germany; Hon. R. D. Sawant, Secretary of Kasegaon Education Society; Hon. Shamrao Patil (Anna), Chairman of Rajarambapu Co-operative Bank Ltd. & BoG Member, RIT; and Dr. P. V. Kadole, Director of RIT.
- The inauguration was attended by RIT officials, faculty members, participants, and evaluators.

## Glimpses of the Event



The event was graced by Prof. Dr. Marina Tropmann-Frick, Senior Expert Service (SES) expert from Hamburg University of Applied Sciences, Germany, as the Chief Guest. During her visit, Dr. Tropmann-Frick interacted with emerging talents in the field of engineering, appreciating the Team Faculty Coordinator, Prof. Ganesh N. Dhengle, and student participants , Mr. Sarthak N. Nikam , Miss. Kalyani D. Pawar , Miss. Siddhi V. Joshi , Miss. Nishigandha S. Mhaske.







Our students participated in the RIT Hackathon and presented our two projects.

1. Smart Irrigation System for Precision Farming.
2. AI Driven Crop Disease Prediction and Management System



Visited RIT-AICTE IDEA Lab at Rajarambapu Institute of Technology (RIT).





Dr. Mahadev Patil (HOD of E&TC) and Prof. A.A. Kadam interacted with the Team Faculty Coordinator, Prof. Ganesh N. Dhengle, and student participants , Mr. Sarthak N. Nikam , Miss. Kalyani D. Pawar , Miss. Siddhi V. Joshi , Miss. Nishigandha S. Mhaske.

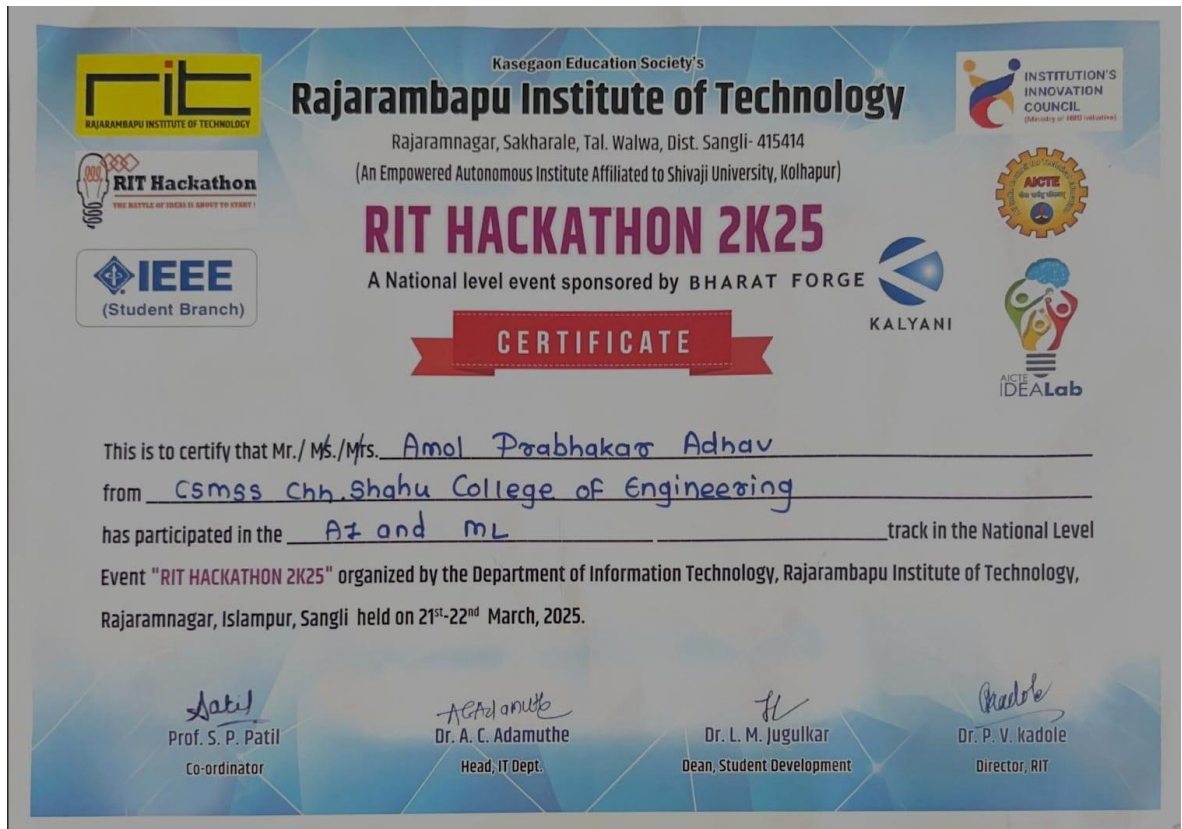




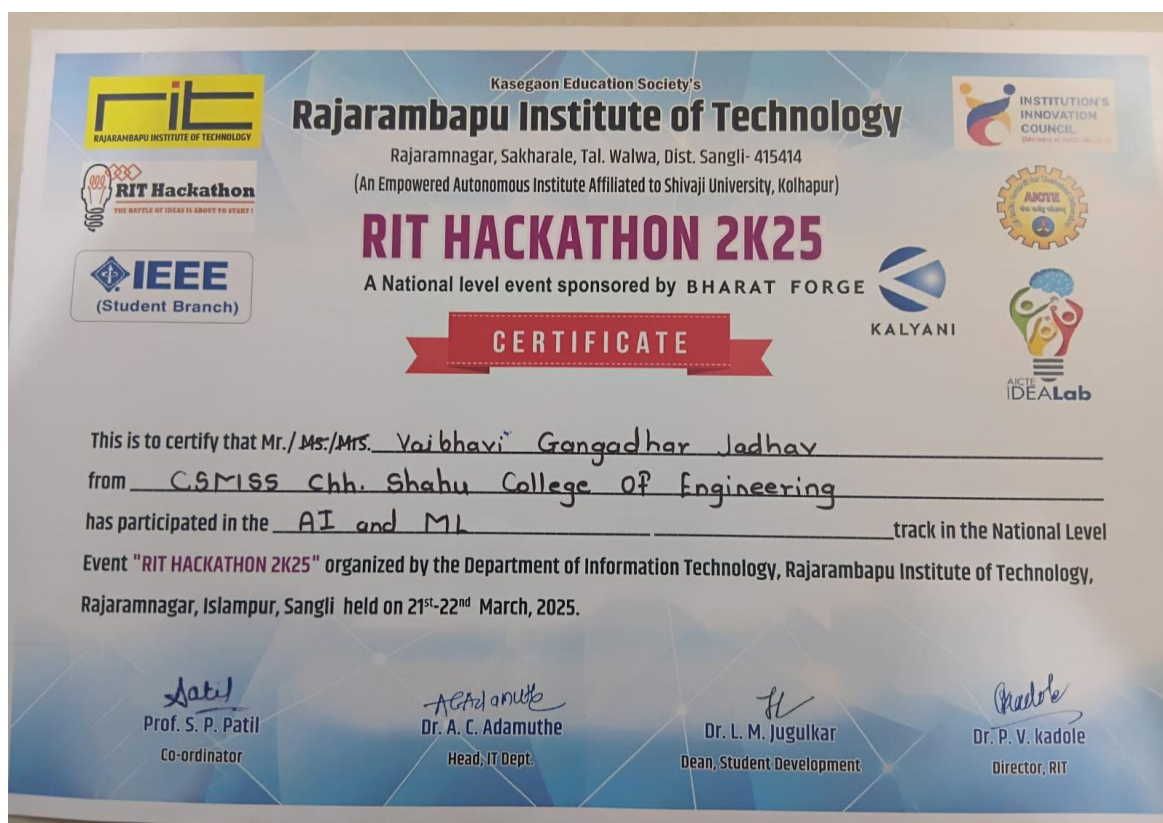




Our third-year ECE students , Mr. Sarthak N. Nikam , Miss. Kalyani D. Pawar , Miss. Siddhi V. Joshi , Miss. Nishigandha S. Mhaske, presented the project titled Smart Irrigation System for Precision Farming in RIT Hackathon, held on 21st March and 22nd March 2025. From RIT, the certificate of participation was awarded to them.







Our third-year ECE students, Mr. Amol P. Adhav, Mr. Sudarshan D. Argade, Miss. Amruta S. Kanhe, Miss. Vaibhavi G. Jadhav, presented the project titled AI Driven Crop Disease Prediction and Management System in RIT Hackathon, held on 21st March and 22nd March 2025. From RIT, the certificate of participation was awarded to them.



**Prof. G .N.Dhengle**  
Faculty Coordinator

**Dr. D. L. Bhuyar**  
HoD, ECE

**Dr. G. B. Dongre**  
Principal