SAAI

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Student Association for Artificial Intelligence and Machine Learning

CSE (AI & ML)

SUCCESS TIPS

A.Y. 2025-26



"The future of artificial intelligence is not about man vs. machine, but about man with machine."

– Dr. Fei-Fei Li

DR. FEI-FEI LI

Professor of Computer Science, Stanford University
Co-Director, Stanford HAI

THE VISIONARY

HUMAN_CENTERED_AI

Department of CSE (AI & ML)

Annual Highlights & Faculty Achievements

SALIENT FEATURES

- Outcome Based Education (OBE)
- Choice Based Curriculum Structure (CBCS)
- ICT-Based Learning
- MOOC Courses (NPTEL, SWAYAM)
- Industry Sponsored Projects

AWARDS & RECOGNITIONS



- Dr. Ramesh A. Medar has been recognized for his outstanding contributions in **Machine Learning, Data Mining, and Web Data Analytics** through multiple high-impact publications in reputed journals and conferences.
- Dr. Ramesh A. Medar received **Best Paper Recognition** in IEEE Sponsored 5th International Conference for Convergence in Technology (I2CT), Pune, 2019.
- Dr. Ramesh A. Medar has been awarded **Research Excellence Recognition** for the academic year 2019–20 for his work in **Crop Yield Prediction and AI-based Models.**
- Reviewer for **multiple reputed journals and conferences**, including IEEE, Inderscience, IJISA, IJRTE, and others.
- Session Chair member of advisory & technical committees for **9th International Conference for Convergence in Technology (I2CT) 2024** and other national and international conferences.
- Best Conference Paper Award / Recognitions received in **4 National Conferences and 3 International Conferences** for research in data mining, machine learning, and intelligent systems.
- Research Publications: Journals – **13, Conferences – 29+**, including international journals like IJISA, IJRTE, JUSST, and conferences like IEEE ICECDS, ICCUBEA, ICAIT.

FACULTY ACHIEVEMENTS

- Dr. Ramesh A. Medar was awarded the Research Excellence Recognition for the academic year 2019–20 for outstanding contributions in Crop Yield Prediction and AI-based Models.

- Mrs. V. D. Desai published the paper "Enhancing Cyber Attack Detection with Machine Learning through Multi-Objective and Evolutionary Optimization for Autonomous Vehicles" in the International Advanced Research Journal in Science, Engineering and Technology (2025).

- Dr. K. K. Tangod has published 14 papers in international journals, presented 3 papers in peer-reviewed conferences in India, contributed 5 papers in national conferences, and holds 1 published patent along with 2 registered design patents.

- Dr. P. B. Desai published the paper "Identification and Diagnosis of Cardiovascular Diseases using a Backpropagation Neural Network Combined with a Weight Tuning Using Logistic Regression" in Neuro Quantology, Vol. 20, Issue 13, pp. 863–871, 2022 (Scopus Indexed).

- Dr. V. K. Shende has over 3 years of industry experience, including roles as Senior Software Engineer at MG KUPS Communication Hardware and Networking and Associate Software Engineer at Origin Software Technology Pvt. Ltd.

- Dr. S. Mangasuli has 13 years of teaching experience and is currently serving as Assistant Professor at Rajarambapu Institute of Technology, Rajaramnagar (May 2025 – present).

- Mrs. A. B. Patil received the Excellence Award at the National Convention on Quality Circle (NCQC) 2019, organized by ISTE Maharashtra-Goa Section Awards, for outstanding contributions to quality initiatives in education.

- Mrs. A. S. Patil published the paper "LSTM-Based Speech Emotion Recognition (SER) for Analyzing Patient's Verbal Feedback" in the International Health Informatics Conference (IHIC 2023), Lecture Notes in Networks and Systems, Springer, 2025.

- Mrs. P. P. Patil published the paper "Imparting Effective Teaching Learning Methods for Teaching C Programming Course to First Year Non-IT Students" in the Journal of Engineering Education Transformations, Volume 36, Special Issue 2, 2023 (Scopus Indexed, H-index 9).

- Mrs. D. A. Patil published a book chapter entitled "Advancements in WSN and ML for Early Forest Fire Detection."

- Mrs. N. N. Patil published the paper "Optimizing Video Summarization Using Deep Reinforcement Learning with Diversity and Representativeness Award" in an international journal.

- Mrs. A. A. Mohite published the paper "IoT Based Humidity, Temperature Control, and Crop Management System" in the International Research Journal of Engineering and Technology (IRJET), Volume 08, Issue 07, July 2021.

- Mr. A. V. Lad received the Appreciation Teacher Innovation Award for sustainable efforts towards promoting Joyful & Experimental Teaching by ZIIEI, Sri Aurobindo Society HDFC Bank Parivartan, New Delhi, in September 2019.

STUDENTS ACHIEVEMENTS

- Ms.Rajnandini Minache getting Best Paper Award for paper A Probabilistic Open-set Intrusion Detection Framework for sustainable security in International Conference on Sustainable Management & Advanced Research Technologies held at RIT,Ishwarpur on March 27&28 2026



- Mr. Rutudhawaj Raju Namyate getting 2nd Rank in Shivaji University Youth Festival 2025 which is held on 18th Sept 2025



- Mr.Vishwajit Maruti Koli getting 2nd Rank in Shivaji University Youth Festival 2025 which is held on 18th Sept 2025.
- Kaustubh Patil - Shivaji University Inter-Zonal Badminton Tournament 2nd Place.
- Pratiksha Pawar, Vedika Saradeshmukh, Shreya Nalawade, Pranali Mohite and Sakshi More - Secured Third Rank in the Spectrum 2K25, National Level Symposium.
- Ms. Samrudhi Jadhav - Emerged as the winner in the Poster Presentation Competition at INSPIRA 2K25
- Vaishnawi Chandavale, Tanmay Gangurde, Kaustubh Patil, Abhinandan Kore - Received 1st prize in Next Gen iTech Con 2k25.

- Ayush Yadav, representing our music club as a pianist - victory at the general level



BEYOND THE CLASSROOM: STUDENT ACHIEVEMENTS THROUGH CERTIFICATIONS :





FUNDING:

- Department has received 60,000/- research grants under Seed Funding scheme for the year 2017-18.

ADVANCE COURSES IN SYLLABUS :

- Big Data Analytics
- Cloud Computing

- Chatbot
- Business Intelligence
- Principals of AI
- Blockchain

DEPARTMENT EVENTS:

- The Department of Computer Science and Engineering (Artificial intelligence & Machine Learning) at Rajarambapu Institute of Technology, Sakharale successfully conducted the one week SDP on "MERN Stack Immersive Program: From Code to Industry Innovation" from 8th to 13th September In Association RIT- IIC, SAAI CSE(AI&ML). In this one week SDP student get whole knowledge about Built a complete, industry-grade full stack project (Role-based Product engagement System) that demonstrates mastery of both frontend and backend development. Acquired job-ready skills in MongoDB, Express.js, React.js, and Node.js — the most sought-after stack in start ups, IT companies, and product-based firms. Hands-on expertise in Authentication s Authorization (JWT), enabling them to create secure, real-world applications. and job interviews.





- Teachers' Day is celebrated to honor the invaluable contribution of teachers in shaping the future of students and society. The CSE (AI & ML) Department, in association with the Student Association of Artificial Intelligence (SAAI), organized a Teachers' Day celebration on 11th September 2025 with great enthusiasm and respect.



- National Engineers' Day is celebrated every year on 15th September to commemorate the birth anniversary of Sir M. Visvesvaraya and to recognize the contributions of engineers in nation-building. The CSE (AI & ML) Department, in association with SAAI, organized this celebration with great enthusiasm and technical spirit.



- InnoExpo 2025 — A Grand Success! "Showcasing Innovative Minds" on IEEE Day 2025 Organized by the Department of CSE (AI & ML) at Rajarambapu Institute of Technology (RIT) in collaboration with IEEE Student Chapter RIT, IIC, ICC, and SAAI, the InnoExpo Poster Presentation Competition was a celebration of innovation, creativity, and social impact through technology. 7Th October 2025



- A three-day workshop on Employability Skills, Group Discussion (GD), and Interview Preparation was organized from 9 March 2026 to 11 March 2026 at CR 51, New Building, RIT. The objective of the workshop was to enhance students' communication abilities, confidence, and employability skills required for academic and professional success. The workshop included a variety of interactive sessions, practical activities, mock discussions, and interview simulations to provide participants with real-time learning experiences.



- The Department of Computer Science and Engineering (Artificial intelligence & Machine Learning) at Rajarambapu Institute of Technology, Sakharale has organized the two-days training program on "Big Data-Driven Innovation for Emerging Technologies" on 29-30 August 2025 under RIT- Centre of Teaching and Learning.



- The Department of Computer Science and Engineering (AI & ML), Rajarambapu Institute of Technology, Sakharale has organized the one-day industry expert session on “Object Oriented Programming Using Java” on 27th September 2025. This session was conducted by Mr. Ravindra Mandale, Junior Tech Lead, Visioapps Technology Pvt. Ltd, Gurgaon Hariyana.



- The Department of CSE (AI & ML), Rajarambapu Institute of Technology, Rajaramnagar, successfully organized Awareness sessions on “Online safety, cyber hygiene, and safe & responsible use of the internet and Artificial Intelligence” The session was organized on the occasion of Safer Internet Day 2026 with the theme “Smart Tech, Safe Choices – Exploring the Safe and Responsible Use of AI.”



- The Department of Computer Science & Engineering (AI & ML), Rajarambapu Institute of Technology (RIT), organizing a Two-Day Workshop on “Career Readiness: Technical Interview Preparation” under the Lead College Scheme of Shivaji University, Kolhapur, in association with the Institution’s Innovation Council (IIC). 7th & 8th March 2026.



- The department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) organized State Level event named "Al FUSION 3.0" under ISTE & SAAI which was scheduled on 25th March 2026. For this event, 225+ students have registered from various Institutes. The event was very effective and treasured by all the participants. Selected students for oral feedback of participants. The event was truly agrand success and highly appreciated by all..





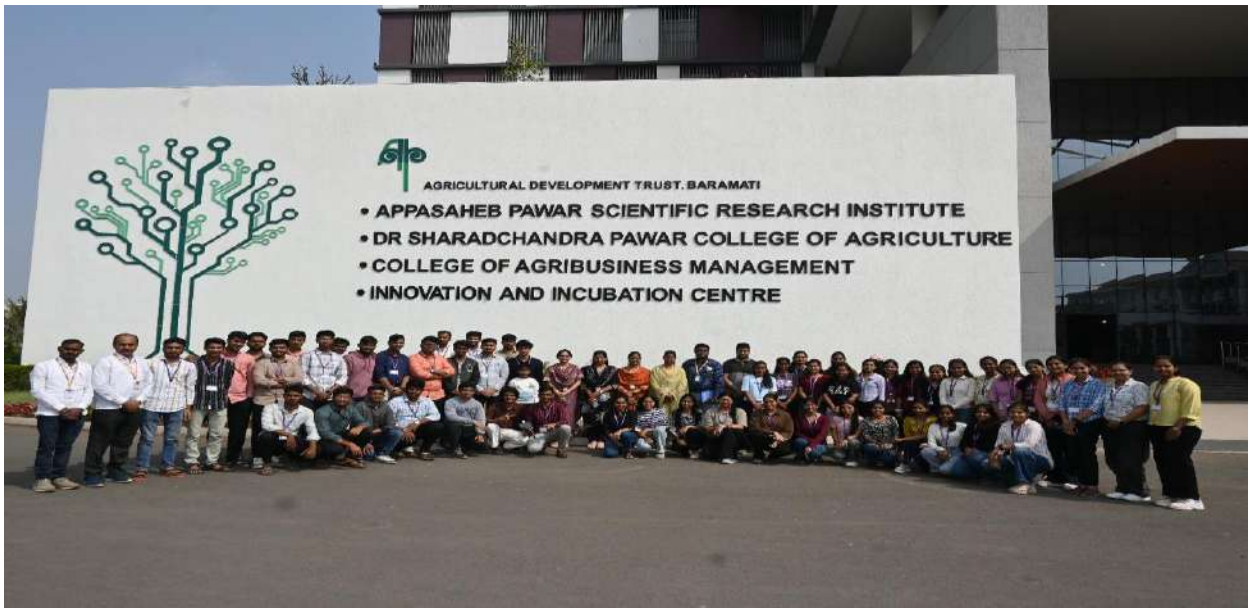

Is AI

- The department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) organized Freshers Day 11Th March 2026.



Industrial Visit @AI&ML :

- An Industrial Visit to AIC–ADT Baramati Foundation and Krishi Vigyan Kendra (KVK), Baramati. On 22nd January 2026



- Industrial visit to the Indian Space Research Organisation – Master Control Facility (MCF), Hassan, Karnataka.On 11th Feb 2026.





National-Level RIT Hackathon 2K26 :

Rajarambapu Institute of Technology (RIT), Rajaramnagar successfully hosted the **National-Level RIT Hackathon 2K26**, a technical event organized by the Department of Computer Science & Engineering (AI & ML) during the academic year 2025-26. The hackathon brought together **1,014 participants**, with **410 teams shortlisted** for first phase and 168 teams and 503 participants for the grand finale, competing for a **prize pool exceeding ₹1 lakh**. Sponsored by Bharat Forge, the event stood as a strong example of industry - academia collaboration and innovation-driven learning. The hackathon featured diverse themes such as **AI for Social Good (highest participation with 280 registrations), Electrical & Electronic Systems, Sustainable Mechanical & Automation, Structural Modelling & Efficient Design, Innovation for Sustainable Development (Diploma), and AI-Powered Solutions (BCA/MCA)** - encouraging interdisciplinary problem-solving across domains like healthcare, sustainability, smart systems, and digital transformation.





The inauguration marked the formal commencement of the hackathon, setting the stage for innovation, collaboration, and technical excellence among participants.


RIT
HACKATHON





An engaging cultural evening adding vibrancy and relaxation to the hackathon environment at Rajarambapu Institute of Technology.



The valedictory ceremony marking the successful conclusion of the hackathon at Rajarambapu Institute of Technology.

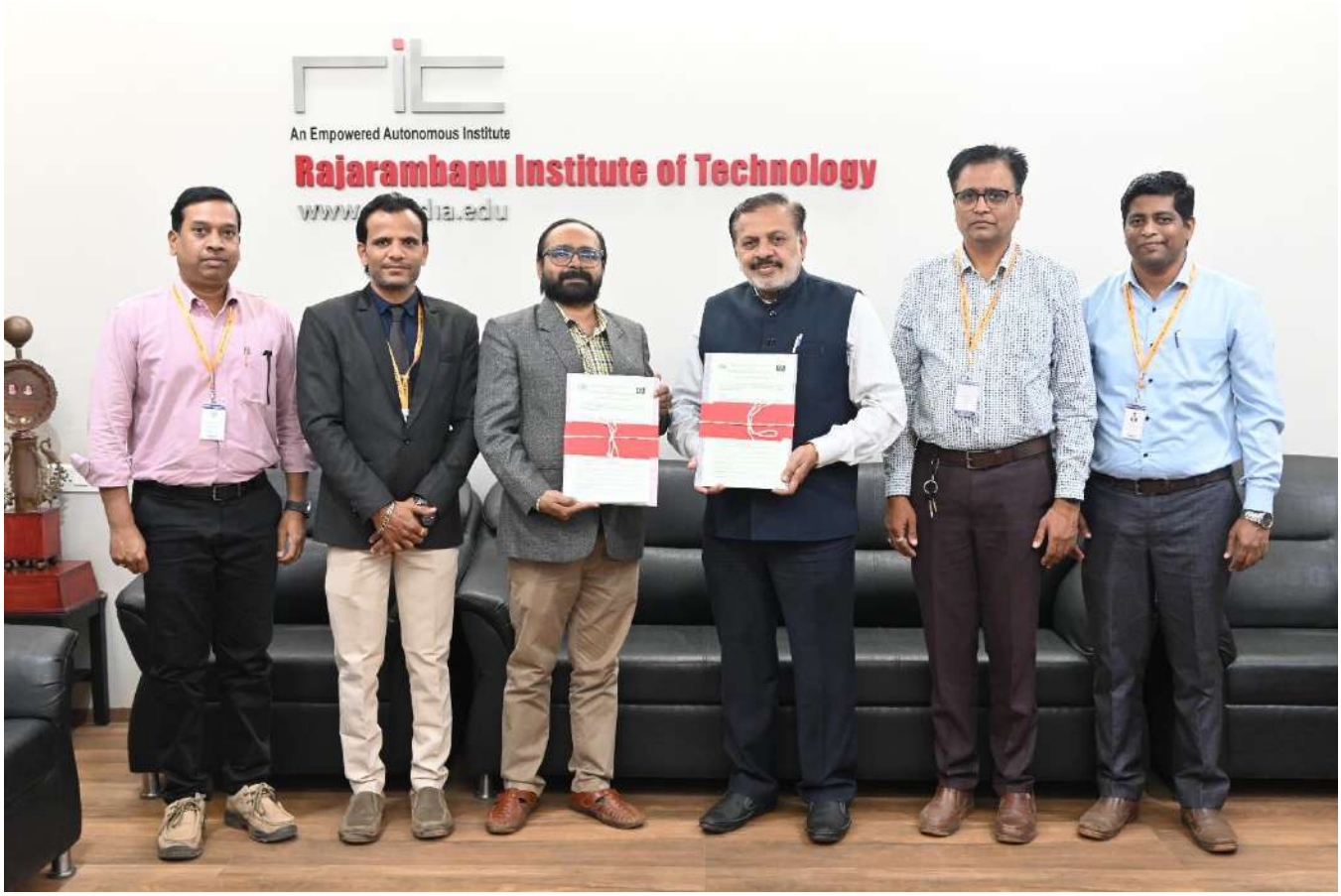


MOU:

- Department of Computer Science & Engineering (Artificial Intelligence & Machine Learning) has signed MoU with Datamines India.This strategic partnership is set to bridge the gap between academia and industry, empowering students and faculty.



- Department of Computer Science & Engineering (Artificial Intelligence & Machine Learning) has signed MoU with Theta Dynamics Private Limited, Belagavi, represented by its Managing Director Mr. Gajendra Deshpande. Both parties acknowledge that a strategic collaboration will facilitate skill enhancement, research opportunities, student internships, and student placements.



Outreach Activities @ AIML :

K.E. Society's Rajarambapu Institute of Technology, Rajaramnagar successfully conducted a workshop on **"Artificial Intelligence for Future Minds"** for the girl's students of The Miraj Education Society's, Jubilee Kanya Shala, Miraj, on **17th December 2025**.The program introduced 500 students of 8th and 9th standard to core AI concepts, real-life applications, ethical use, and future career opportunities.

The workshop was conducted by **Prof. Ashwini B. Patil, Prof. Ashwini S. Patil, Prof. Pragati P. Patil, and Mr. G.**

D. Chavan from the CSE (AI & ML) department. Hands-on sessions using AI tools such as **ChatGPT, Canva AI,** Photomath ,NoteGPT, **Quizlet AI, Duolingo,** Quillbot, **and AI-based learning applications** made the learning interactive and enjoyable.



