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RBU
RAMDEOBABA UNIVERSITY, NAGPUR

AICTE

ATAL
AICTE TRAINING & LEARNING ACADEMY

AICTE Training And Learning Academy (ATAL) Sponsored

Online One-Week Faculty Development Programme on

Agentic AI and Autonomous Intelligent Systems for Industry 5.0:

Theory, Design and Applications

Date: 7 to 12 December 2026

Time: 6.00 PM to 9.00 PM



ORGANISED BY

School of Computer Science & Engineering
Ramdeobaba University, Nagpur

Website: https://rbunagpur.in/

ABOUT RAMDEOBABA UNIVERSITY NAGPUR

Ramdeobaba University (RBU), Nagpur, is a self-financed university recognised by the Government of Maharashtra and the University Grants Commission (UGC), New Delhi. Established in 1984 as Shri Ramdeobaba College of Engineering and Management (RCOEM), the University has a legacy of over four decades of academic excellence and holistic development. It has earned prestigious recognitions, including an A+ NAAC grade, NIRF ranking, and QS I-Gauge Diamond Rating. Spread across 17 acres, RBU comprises five schools offering undergraduate, postgraduate, doctoral, and certificate programmes. With five industry-driven Centres of Excellence, a vibrant startup ecosystem, and strong national and international collaborations, the University promotes innovation, entrepreneurship, research, and experiential learning. By integrating emerging technologies with traditional knowledge systems, RBU strives to nurture skilled, innovative, and globally competent professionals.

ABOUT SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

The School of Computer Science and Engineering at Ramdeobaba University is a centre of excellence in education, innovation, and research, committed to nurturing future-ready engineers. It offers undergraduate and postgraduate programmes designed to meet evolving industry demands through a balanced approach to academic learning and practical application. The School features state-of-the-art infrastructure, including an AI Centre of Competency powered by an NVIDIA supercomputer, a dedicated Cyber and Digital Forensic Lab, and an advanced Juniper Lab. Supported by a distinguished team of experienced academicians, industry professionals, and researchers, the school provides a dynamic learning environment that encourages critical thinking, technical excellence, creativity, and innovation, empowering students to excel in a competitive global landscape.

ABOUT FDP

The Faculty Development Program (FDP) is designed to equip participants with a strong foundation in emerging AI technologies and their applications in Industry 5.0. The program will cover the evolution of AI from Machine Learning to Agentic AI, foundation models, Large Language Models (LLMs), and Generative AI.
Participants will gain hands-on experience in prompt engineering, AI agent development using framework like LangChain , Retrieval-Augmented Generation (RAG), and multi-agent workflow development using CrewAI. Expert sessions will also introduce advanced topics such as Edge AI, robotics, cyber-physical systems, and collaborative autonomous intelligence.
The FDP will emphasize trustworthy AI by addressing explainability, ethics, security, and governance. Through lectures, practical sessions, and real-world case studies, participants will develop the knowledge and skills required to design, deploy, and evaluate intelligent autonomous systems. The program is expected to foster research, innovation, and industry-oriented applications aligned with the vision of Industry 5.0.

OBJECTIVES

- To develop an understanding of Industry 5.0 and autonomous intelligent systems
- To provide advanced knowledge of Agentic AI, Foundation Models, LLMs, and Generative AI
- To enable participants to design and develop Agentic AI applications
- To develop practical skills in multi-agent systems and autonomous intelligent systems
- To promote responsible and industry-oriented AI innovation

TARGETED PARTICIPANTS

The faculty members of the AICTE approved institutions, research scholars, PG scholars, participants from Government, industry (Bureaucrats/ Technicians etc.) and faculty of host institution are eligible to attend the program.



IMPORTANT DATES

Last date for registration: 02.12.2026
Confirmation of registration: 04.12.2026

REGISTRATION FEE

There is no registration fee for participants.

REGISTRATION PROCESS

Register for this FDP through the ATAL portal https://atalacademy.aicte-india.org/login
Participants will be selected on First-Come First- Served basis.
The selected participants will be intimated through email/ATAL Account.

PARTICIPATION CERTIFICATE

The certificates shall be issued to those participants who are registered on ATAL portal https://atalacademy.aicte-ndia.org/login and attend the program with minimum 80% attendance and score minimum 70% marks in the test. Submission of online feedback on the ATAL portal is mandatory for certificate issuance on the last day of the program.