



AMBALIKA INSTITUTE OF MANAGEMENT & TECHNOLOGY

LEARNING WITHOUT LIMITS

AIML INSIGHTS

THE OFFICIAL MAGAZINE OF
ARTIFICIAL INTELLIGENCE &
MACHINE LEARNING DEPARTMENT

“
EMPOWERING
INTELLIGENCE.
SHAPING THE
FUTURE.”



LEARN



INNOVATE



BUILD



IMPACT



INTELLIGENT
THINKING



ADVANCED
TECHNOLOGY



DATA DRIVEN
DECISIONS



COLLABORATE
& INNOVATE



EXCELLENCE IN
EDUCATION



COMMITMENT TO
INNOVATION



FOCUSED ON
IMPACT



DEPARTMENT OF

AIML

ARTIFICIAL INTELLIGENCE &
MACHINE LEARNING

AFFILIATED TO DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY (AKTU)
APPROVED BY AICTE | NBA ACCREDITED PROGRAMS

LUCKNOW, UTTAR PRADESH



DR. DEVENDRA KUMAR

MESSAGE FROM HOD

I am pleased to present the Technical Magazine of the Department of Artificial Intelligence & Machine Learning. Our department is committed to fostering innovation, technical excellence, and ethical responsibility through outcome-based education. This magazine showcases the achievements, research, projects, and creative contributions of our students and faculty. I congratulate everyone involved in this publication and hope it inspires our learners to embrace emerging AI technologies, strengthen their skills, and contribute meaningfully to society through innovation and lifelong learning.



Vision

- To be a center of excellence in AI/ML by fostering innovation, research, and ethical technological advancement.
- The department aims to develop competent professionals equipped with strong technical knowledge, critical thinking, and problem-solving skills to create intelligent solutions that address real-world challenges and contribute to sustainable societal and industrial development.

Mission

- To provide high-quality education in Artificial Intelligence and Machine Learning through an industry-oriented and outcome-based curriculum.
- To promote research, innovation, and practical learning by encouraging projects, internships, and interdisciplinary collaboration. To develop technical competence, critical thinking, ethical values, and leadership skills for solving real-world challenges.
- To strengthen industry-academia partnerships and prepare students for successful careers, entrepreneurship and lifelong learning in the field of AI and ML.



Program Educational Objectives (PEOs)

PEO 1: Graduates will be prepared to excel in diverse career opportunities in the fields of Artificial Intelligence and Machine Learning, or pursue advanced studies in leading institutions worldwide.

PEO 2: Graduates will possess a deep understanding of foundational principles, theories, and applications in Computer Science, with a specialization in Artificial Intelligence and Machine Learning.

PEO 3: Graduates will demonstrate professionalism, ethical conduct, and a commitment to lifelong learning, engaging in continuous professional development to stay abreast of emerging technologies and trends in the field.

PEO 4: Graduates will embrace a culture of lifelong learning, adapting to evolving technologies and societal needs, and contributing positively to their communities and the environment.

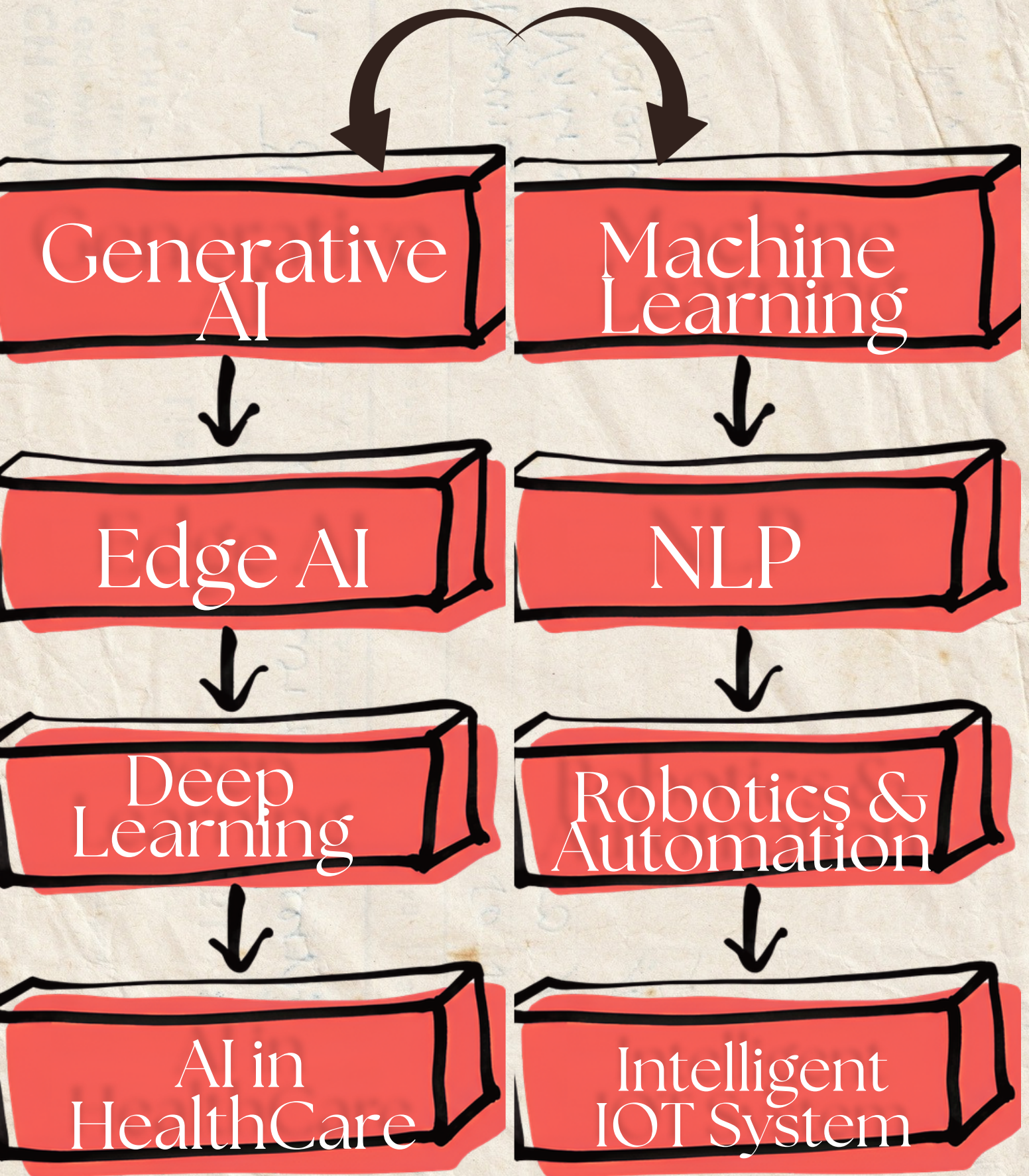


Program Outcome

- Apply engineering, mathematics, and AI principles.
- Analyze complex computing problems.
- Design intelligent and sustainable solutions.
- Conduct research using modern tools.
- Develop AI applications using current technologies.
- Understand professional ethics and societal responsibilities.
- Work effectively in multi disciplinary teams.
- Communicate technical ideas efficiently.
- Apply project management and leadership skills.
- Engage in lifelong learning and continuous professional development.



Emerging Areas in AI & ML





NATIONAL STARTUP DAY



The Department of Artificial Intelligence & Machine Learning, Ambalika Institute of Management & Technology (AIMT) celebrated National Startup Day on 16 January 2026 by organizing a Seminar-cum-Startup Idea Pitching Event. The seminar highlighted the importance of entrepreneurship, the Startup India initiative, and emerging opportunities in AI & ML. Students enthusiastically presented innovative startup ideas addressing real-world challenges through intelligent technologies. The event encouraged creativity, innovation, teamwork, and entrepreneurial thinking while enhancing student's presentation and problem-solving skills. It concluded with certificate distribution, inspiring participants to transform their ideas into impactful AI-driven solutions for the future.



Data Science to Agentic AI Workshop The Evolution of Agentic System



The Evolution of Intelligence Systems seminar, organized by the AIML Department in association with IIC, explored AI advancements, intelligent automation, and future technologies, inspiring students through expert insights and interactive discussions.

The Department of Artificial Intelligence & Machine Learning organized a workshop on Data Science, Machine Learning, Deep Learning, Generative AI, and Agentic AI for third-year students. The session was conducted by Dr. Swasti Agrawal under the guidance of Mrs. Hemani. The workshop introduced students to the fundamentals of AI, emerging technologies, and their practical applications. A live demonstration of Generative AI models using the Django Framework showcased real-world implementation. The interactive session enhanced student's understanding of Agentic AI, encouraged innovation, and bridged the gap between academic learning and current industry trends, preparing them for future AI-driven careers.

Hands-on Augmented Reality Workshop Using Snapchat Lens Studio



The Department of Artificial Intelligence & Machine Learning (AIML) / Data Science (DS) / Information Technology (IT) organize workshop titled “SNAPAR WORKSHOP: AUGMENTED REALITY” on 24 March 2026. The workshop provided students with practical exposure to the rapidly growing field of Augmented Reality (AR) and immersive technologies using Snapchat Lens Studio.

The session focused on understanding AR concepts, designing interactive experiences, working with 3D assets, object tracking, visual effects, and real-time AR applications. Students gained hands-on experience in developing creative AR projects and learned the workflow of transforming ideas into functional AR experiences.

The workshop helped participants bridge the gap between theoretical concepts and practical implementation while encouraging innovation, creativity, and exploration of emerging technologies. Students successfully developed GitHub-ready AR projects and enhanced their technical skills in immersive technology development.

Faculty Coordinator: Mr. Ravi Shanker Pandey

Resource Person: Miss. Chhavi Garg

Departments Participated: AIML / DS / IT



BYTEBATTLE 2.0



The Departments of AIML organized ByteBattle 2.0 on 31 March 2026 at the Seminar Hall to enhance student's coding thinking, analytical abilities, and problem-solving approaches. The event provided an engaging platform for students to participate in coding challenges and logic based tasks, encouraging creativity, innovation, and technical excellence.

The competition motivated students to apply their programming knowledge in a practical environment while developing speed, accuracy, and teamwork skills. ByteBattle 2.0 successfully promoted a strong coding culture among students and helped them prepare for real-world technical challenges. The event was coordinated by Dr. Krishna Nand Mishra with active participation from students of AIML, IT, and DS departments.

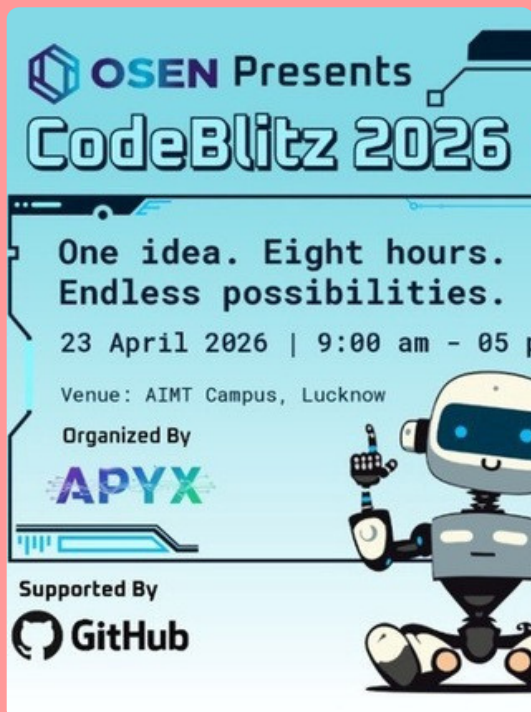


CODEBLITZ 2026



THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING (AIML) SUCCESSFULLY ORGANIZED CODEBLITZ-2026 ON 23 APRIL 2026 AT THE SEMINAR HALL UNDER THE COORDINATION OF MR. RAVI SHANKAR PANDEY. THE EVENT AIMED TO FOSTER INNOVATION, CREATIVITY, AND TECHNICAL EXCELLENCE WHILE PROVIDING STUDENTS WITH AN OPPORTUNITY TO DEMONSTRATE THEIR CODING AND PROBLEM-SOLVING SKILLS. STUDENTS PARTICIPATED IN TEAMS TO DEVELOP INNOVATIVE AND

ORIGINAL SOLUTIONS WITHIN THE GIVEN TIME. THE COMPETITION ENCOURAGED LOGICAL THINKING, COLLABORATION, EFFECTIVE COMMUNICATION, AND THE PRACTICAL APPLICATION OF PROGRAMMING CONCEPTS TO SOLVE REAL-WORLD CHALLENGES.



CODEBLITZ-2026 PROVED TO BE AN ENRICHING LEARNING EXPERIENCE, INSPIRING STUDENTS TO EXPLORE NEW TECHNOLOGIES AND STRENGTHEN THEIR TECHNICAL CAPABILITIES. THE EVENT SUCCESSFULLY PROMOTED A CULTURE OF INNOVATION, TEAMWORK, AND HEALTHY COMPETITION, PREPARING PARTICIPANTS FOR FUTURE HACKATHONS, TECHNICAL COMPETITIONS, AND INDUSTRY-DRIVEN CHALLENGES

Department *Achievement*

- Our department is continuously contributing towards academic excellence, innovation and student development by creating a strong learning environment for future technology leaders.
- We have an active technical club, Synapse, which provides students with a platform to transform their innovative ideas into reality through practical learning and collaboration. The club has successfully organized multiple technical workshops and events for students, with its latest achievement being a workshop sponsored by Snapchat, giving students exposure to industry-level technologies and trends.
- In addition, the department organized a successful hackathon sponsored by GitHub, encouraging creativity, coding skills, and teamwork among students.
- Our students have also achieved remarkable placement success, securing opportunities in leading companies such as TCS, IBM, and Deloitte. Along with providing quality academics, the department strongly motivates students to pursue higher studies and competitive examinations. As a result of this academic guidance and continuous support, several students have successfully Qualified the GATE examination, reflecting the department's commitment to both career growth and academic achievement.

CONCLUSION AND EDITORIAL

Artificial Intelligence and Machine Learning (AIML) are transforming the future by enabling intelligent systems that can learn, adapt, and solve complex real world problems. From healthcare and finance to education, agriculture, and smart cities, AIML is driving innovation, improving efficiency, and creating new opportunities across every sector. By combining human creativity with the power of intelligent technologies, AIML is shaping a smarter and more connected world.



*Faculty Coordinator
Mrs. Hemani*



*Student Editor
Sidhant Singh*