



**AMBALIKA INSTITUTE
OF MANAGEMENT & TECHNOLOGY**

LEARNING WITHOUT LIMITS

DS INSIGHTS

THE OFFICIAL MAGAZINE OF
DATA SCIENCE DEPARTMENT



LEARN



INNOVATE



BUILD



IMPACT

“
EMPOWERING
INTELLIGENCE.
SHAPING THE
FUTURE.”



EXCELLENCE IN
EDUCATION



COMMITMENT TO
INNOVATION



FOCUSED ON
IMPACT



DEPARTMENT OF
DS
DATA SCIENCE

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

LUCKNOW, UTTAR PRADESH





MR. NIRANJAN KUMAR

MESSAGE FROM HOD

It gives me immense pleasure to present this edition of the Data Science Department Magazine. Data Science is at the forefront of technological innovation, empowering organizations to make informed decisions through data-driven insights.

Our department is dedicated to providing quality education, fostering research, and encouraging practical learning through projects, workshops, hackathons, and industry collaborations. We strive to equip our students with the knowledge, technical expertise, and ethical values required to excel in the rapidly evolving world of Data Science.

I congratulate the editorial team, faculty members, and students for their sincere efforts in bringing out this magazine. I hope it inspires every reader to embrace curiosity, innovation, and lifelong learning.

Vision

To become a leading center of excellence in Computer Science and Engineering (Data Science), empowering students with advanced knowledge, ethical values, and innovative skills to address real-world challenges and contribute meaningfully to the global data-driven society.



Mission

- To nurture future-ready professionals in Data Science by integrating theoretical knowledge with industry practices through advanced infrastructure, cutting-edge technologies, and experiential learning.
- To instill ethical values, integrity, and social responsibility in students, enabling them to make meaningful contributions to society through ethical decision-making.
- To foster creativity, innovation, and interdisciplinary research, empowering students to transform data into actionable insights and address real-world challenges.



Program Educational Objectives (PEOs)

PEO 1: To prepare our students to find suitable employment commensurate with their qualification.

PEO 2: To create good entrepreneurs who may contribute to the nation building and generate job opportunities for others.

PEO 3: To develop proficiency in students for higher studies and R & D for the solution of complex problems for betterment of the society.

PEO 4: To develop students as responsible citizens with high moral and ethical values who can become asset to a vibrant nation.



Program Outcome

PO 1: Engineering Knowledge

PO 2: Problem Analysis

PO 3: Design/development of solutions.

PO 4: Conduct investigations of complex problems.

PO 5: Modern tool usage

PO 6: The engineer and society

PO 7: Environment and sustainability

PO 8: Ethics

PO 9: Individual and team work

PO 10: Communication

PO 11: Project management and finance

PO 12: Life-long learning



Emerging Areas in D.S

Big Data
Analytics

Generative
AI

Edge
Analytics

NLP

Deep
Learning

IoT Analytics

Data
Engineering

Cybersecurity
Analytics





NATIONAL STARTUP DAY



The Department of Data Science, 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 DS. Students enthusiastically presented innovative startup ideas addressing real-world challenges through intelligent technologies. The event encouraged creativity, innovation, teamwork, and entrepreneurial thinking while enhancing students' 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 Department of Data Science 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 students' understanding of Agentic AI, encouraged innovation, and bridged the gap between academic learning and current industry trends, preparing them for future AI-driven careers.



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

Hands-on Augmented Reality Workshop Using Snapchat Lens Studio



The Department of Data Science (DS) organised 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 DS 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.

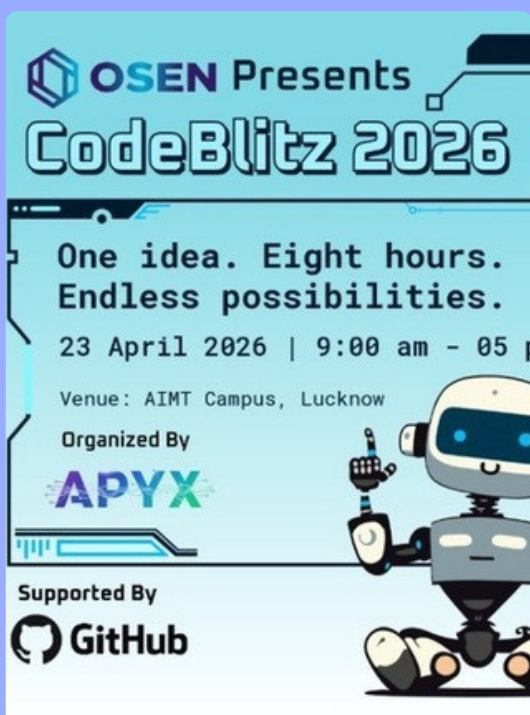
The competition motivated students to apply their programming knowledge in a practical environment while developing speed, accuracy, and teamwork skills. ByteBattle 2.0 successfully promoted a strong coding culture among students and helped them prepare for real-world technical challenges. The event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



CODEBLITZ 2026



THE DEPARTMENT OF DATA SCIENCE (DS) 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.



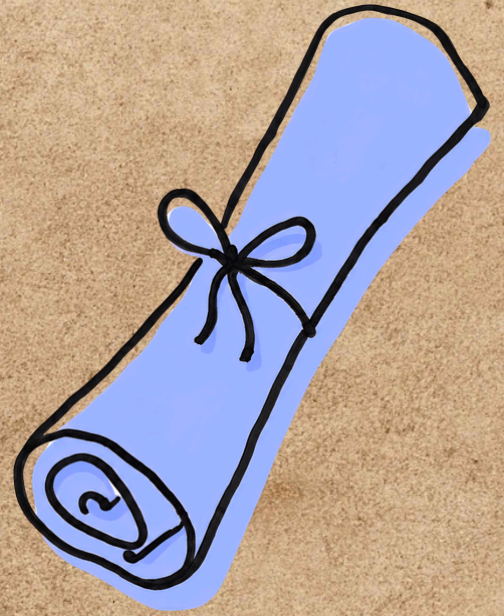
CODEBLITZ-2026 PROVED TO BE AN ENRICHING LEARNING EXPERIENCE, INSPIRING STUDENTS TO EXPLORE NEW TECHNOLOGIES AND STRENGTHEN THEIR TECHNICAL CAPABILITIES. THE EVENT SUCCESSFULLY PROMOTED A CULTURE OF INNOVATION, TEAMWORK, AND HEALTHY COMPETITION, PREPARING PARTICIPANTS FOR FUTURE HACKATHONS, TECHNICAL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

Data Science is transforming the way we solve problems, make decisions, and create innovative solutions. Our department remains committed to nurturing skilled professionals through quality education, research, and practical learning. Together, we will continue exploring emerging technologies, fostering innovation, and preparing students to contribute meaningfully to a data-driven future.



*Faculty Coordinator
Mr. Ravishankar
Pandey*



*Student Editor
Sidhant Singh*