

December Edition ' 25

AIML SPOTLIGHT

MONTHLY NEWSLETTER

AIML COMMUNITY MUJ

FROM THE DESK OF ASSOCIATE DEAN, SCSE



I am pleased to share my thoughts through the AIML Spotlight newsletter, which celebrates the notable achievements and initiatives of the Artificial Intelligence and Machine Learning Department. At the School of Computer Science and Engineering, we strive to foster innovation, leadership, and societal impact. With AI and ML rapidly transforming the world, it is inspiring to see our students and faculty contributing meaningfully. I applaud the department's efforts and encourage readers to make the most of this platform as we work together toward a future shaped by technology, creativity, and sustainability.

~Dr Roheet Bhatnagar, Associate Dean,
School of CSE (AIML, IoT & IS, CCE, DS and Computer Applications)

FROM THE DESK OF HOD, AIML

It is a great privilege to reach out to you through this edition of the AIML Spotlight newsletter. The Department of Artificial Intelligence and Machine Learning continues to advance its mission by nurturing creativity, academic excellence, and strong industry partnerships. Over the past year, we celebrated noteworthy achievements—from impactful events such as the Tech Innovation Boot Camp to significant research contributions delivered by our faculty and students. Our focus remains on equipping learners with the latest skills and knowledge, preparing them for a vibrant and evolving future in AI and ML. I encourage you to stay connected, embrace new possibilities, and play an active role in shaping this transformative field.



~Dr Deepak Panwar, Head of Department AIML

SPACESEC'25



MUJ Partners with Southern Federal University for SpacSec '25

The Department of AI & ML, Manipal University Jaipur, is proud to collaborate with Southern Federal University, Russia, for SpacSec'25—the 3rd International Conference on Cyber Warfare, Security & Space Computing, to be held from September 26–28, 2025, in Taganrog.



This international event will bring together global researchers, academicians, and industry leaders to explore advancements in cybersecurity, space computing, and emerging digital technologies. Through this partnership, MUJ aims to promote impactful research dialogues, knowledge sharing, and cross-border academic engagement.



We are confident that this collaboration will further strengthen Indo-Russian academic ties and contribute to innovation and excellence in AI, cybersecurity, and space technology at a global scale.

INTERNSHIP AND RESEARCH OPPORTUNITIES

IIT Bhubaneswar Summer Internship 2025

Eligibility: Students enrolled in any degree program (UG/PG).

Duration: 3–8 weeks (May–July).

Apply by: 10th April 2025.
<https://www.iitbbs.ac.in/>

IIIT-Delhi Summer Internships 2025

Eligibility: UG/PG students; multiple project options under faculty.

Duration: Starts 6th May 2025 (8–10 weeks).

Apply by: 31st March 2025.
<https://iiitd.ac.in/placement/summer-internships>

NIT Warangal Summer Internship 2025

Eligibility: UG/PG students from any engineering/tech stream.

Duration: 9 weeks (May–July).

Apply by: 11th April 2025.
<https://admissions.nitw.ac.in/internship/>

CERN Summer Studentship 2025

Eligibility: Undergraduate STEM students.

Duration: ~8–12 weeks (summer).

Apply by:
<https://careers.cern/programmes/summer-studentship/>

ARTICLES

Google Introduces Gemini Ultra — Its Most Powerful AI Yet

Google has unveiled Gemini Ultra, the latest addition to its AI model lineup, designed to rival top generative models in performance and multimodal capabilities. Built to handle complex reasoning and real-time multi-tasking, Gemini Ultra is aimed at powering next-generation applications in enterprise workflows, creative tools, and scientific research. Google claims it delivers significant improvements in contextual understanding and accuracy over its predecessors. The company plans to integrate Gemini Ultra into its Workspace suite and cloud services later this year, emphasizing secure and ethical AI deployment for global users.

Meta Launches Mixed Reality Headset with New AI Features

Meta has announced its newest mixed reality headset, combining virtual and augmented reality with advanced AI assistants. The device features real-time object recognition, environment mapping, and natural language interaction, pushing forward the vision of immersive computing. Meta says developers worldwide will be able to build apps optimized for both productivity and entertainment experiences.

SpaceX Conducts Successful Super Heavy Test; Eyes Commercial Missions

SpaceX has completed a key Super Heavy booster test for its next-generation Starship rocket, demonstrating improved thrust and structural stability. The milestone is part of SpaceX's plan to expand its commercial launch services to new markets and support lunar missions under NASA contracts. Engineers confirmed that the test met expectations for sustained high-performance, bringing SpaceX closer to routine reusable heavy-lift flights. Industry analysts say this advancement could lower launch costs and boost global satellite deployment.

Indian IT Sector Sees Growth in AI & Cloud Demand — NASSCOM Report

According to the latest NASSCOM industry report, India's IT services sector is experiencing renewed momentum driven by demand for AI, cloud computing, and digital transformation solutions. While traditional outsourcing revenue growth remains steady, new-age technologies contributed a significant share of new contracts in FY25. The report also forecasts rising investments in cybersecurity and edge computing projects, particularly in BFSI, healthcare, and manufacturing verticals. However, hiring is expected to remain selective, with skill-based recruitment prioritized.

ACHIEVEMENTS



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   **nirf**

Department of Artificial Intelligence & Machine Learning
School of Computer Science & Engineering

CONGRATULATION



Ibhaan Agarwal
B.Tech-AI ML (2022-2026)
Internship at Dell

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CONGRATULATION



Ishank Rajpal
B.Tech-AI ML (2021-2025)
Placed at Tredence

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CONGRATULATION



Atharv Gulati
B.Tech-AI ML (2021-2025)
Placed at AP MOLLER MAERSK

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School of Computer Science & Engineering

CONGRATULATION



Ishika Jain
B.Tech-AI ML (2022-2026)
Internship at ISRO,
Ahmedabad

AIML Quiz – Test Your Knowledge!

Q1. What does supervised learning involve?

- a) Learning patterns without labels**
- b) Learning from labeled data to predict outcomes**
- c) Learning only through rewards**
- d) Learning from random sampling**

Q2. Which algorithm is widely used for classification tasks?

- a) K-means**
- b) Support Vector Machine**
- c) Apriori**
- d) Depth-First Search**

Q3. What is overfitting in machine learning?

- a) The model performs well on training data but poorly on test data**
- b) The model performs poorly on all datasets**
- c) The model performs equally everywhere**
- d) The model trains indefinitely**

Q4. Which neural network is best for image recognition?

- a) RNN**
- b) CNN**
- c) GAN**
- d) Bayesian Network**

Q5. What is the goal of reinforcement learning?

- a) Reduce dataset size**
- b) Maximize cumulative rewards**
- c) Label datasets**
- d) Cluster data**

Q6. What does a confusion matrix represent?

- a) Training dataset**
- b) True/false classifications**
- c) Neural network layers**
- d) Loss functions**

MEET THE TEAM

FACULTY COORDINATORS



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INSTAGRAM



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