

JUNE EDITION '25

AIML SPOTLIGHT

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 pleasure to highlight the dynamic and rapidly evolving domain of Artificial Intelligence and Machine Learning through this edition of the AIML Spotlight newsletter. AI and ML continue to redefine industries, drive innovation, and create meaningful solutions to real-world challenges. Over the past year, our community has actively explored emerging technologies through hands-on projects, technical workshops, and collaborative research initiatives. With a strong emphasis on practical learning, ethical innovation, and industry relevance, we remain committed to empowering learners with future-ready skills. As AI and ML shape the next era of technological advancement, we encourage everyone to stay curious, engage deeply, and contribute to building intelligent systems that make a positive impact on society.



~Dr Deepak Panwar, Head of Department AIML

Faculty Development Program on “Innovative Leadership and Ethics for Professional Excellence,” in association with NITTTR Chandigarh and MUJ-TEC.



The Faculty Development Programme (FDP) on **“Innovative Leadership and Ethics for Professional Excellence,”** organized by **NITTTR** in association with **MUJ-TEC**, was a focused five-day academic initiative aimed at enhancing leadership capabilities and ethical awareness among faculty members.

This programme brought together experienced academicians and experts to explore ethical leadership, innovative institutional practices, and value-driven professionalism through expert lectures, interactive sessions, and practical engagements.



We are confident that this programme has contributed significantly to strengthening ethical decision-making, leadership resilience, and professional growth, thereby fostering a culture of integrity, innovation, and excellence in academia.

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.

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

Apply by: 31st March 2025.
<https://iiitd.ac.in/place-ment/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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School of Computer Science & Engineering

CONGRATULATION



Aditya Vikram Singh
B.Tech-AIML (2022-2026)
Internship at Dell Technologies

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Aanchal Mittal
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Vibhor Sharma
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Aditi Sinha
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Ishika Jain
B.Tech-AIML (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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