Graphic Era
deemed to be **University**
DEHRADUN

Five Days Faculty Development Program on

AI & ML Foundations: Unlocking the Future of Intelligence

in association with **Association of Indian Universities-Academic and Administrative Development Centres (AIU - AADC)**

📅 **March 03 — 07, 2025**

Brochure →

Organised by
Department of Computer Science & Engineering

About the University

Graphic Era (Deemed to be University) has been awarded **All India Rank 52 in the University Category** and **All India Rank 59 in Management Category**, establishing GEU as the highest-ranked university in Uttarakhand amongst all Government and Private universities in the state. **All India NIRF Rank 52 in the Engineering Category**, thus being accorded as the highest-ranked Engineering University in Uttarakhand, after IIT Roorkee, in the MHRD NIRF (National Institutional Ranking Framework) Rankings in the year 2024. GEU stands proud as the only university in Uttarakhand recognized as one among the top 100 Universities of the country, as an abode of learning and excellence, surpassing all parameters of assessment like teaching, learning, research, graduation outcome, outreach, industrial presence and more for Indian Institutions of higher education.

About the Department

The Department of Computer Science and Engineering of GEU has celebrated 25 years of excellence in research and education, with year-round talks by our distinguished alumni. Information, computing and communication technologies pervade nearly all aspects of today's digital society and will continue in the decades ahead to be of critical importance to the nation's technological infrastructure. We are proud of the accomplishments of our many alumni, including among them prize-winning researchers, developers and project leaders in world class multinational organizations like Microsoft, Yahoo, Amazon, Google, Intel, Oracle, Adobe, Cognizant and so on.

#52 University Category

#52 Engineering Category

#59 Management Category

Source: **NIRF 2024 Ranking** Ministry of Education, Govt. of India

07 NBA

Courses Accredited

The only University in the region to have **BTech, Biotechnology, CSE, ECE, ME, CE, EE and MBA** accredited by NBA

Source: National Board of Accreditation **(NBA)**

UGC & AICTE

Programs Accredited by University Grants Commission **(UGC)** and All India Council for Technical Edcuation **(AICTE)**

NAAC A+

Grade Accredited

Source: National Assessment and Accrediation Council **(NAAC)**

About the Event

The Five-Day Faculty Development Program (FDP) on AI & ML Foundations: Unlocking the Future of Intelligence is designed to equip educators, researchers, and professionals with a strong foundation in Artificial Intelligence (AI) and Machine Learning (ML). This program aims to bridge the gap between theoretical concepts and practical applications, fostering a deeper understanding of cutting-edge technologies that drive intelligent systems.

Participants will engage in immersive sessions led by industry experts and academicians, covering essential AI and ML concepts, including data preprocessing, supervised and unsupervised learning, deep learning, and real-world implementations. The FDP will feature hands-on exercises, case studies, and interactive discussions to enhance learning and practical skills.

This FDP is an excellent opportunity for faculty members, research scholars, and industry professionals to stay ahead in the rapidly evolving AI & ML domain and explore innovative teaching and research methodologies.

Key Takeaways:

- Comprehensive understanding of AI & ML fundamentals

- Hands-on experience with popular AI & ML tools

- Exposure to real-world applications and case studies

- Networking opportunities with experts and peers

- Certificate of participation

Join us in this transformative journey to unlock the future of intelligence!

Schedule

Day and Date	Session Topic	Session Expert
Day 1 (Monday) March 03, 2025	**Introduction to AI and ML** • Introduction to AI • History and Evolution of AI • AI vs. Machine Learning vs. Deep Learning • Tools and Techniques to run an AI program • Run a Sample Program and understand different IDEs for AI	Ms. Garima Sharma
Day 2 (Tuesday) March 04, 2025	**Machine Learning Classification Day** • Introduction to few prominent libraries such as Pandas, Numpy, Scikitlearn, ggplot, etc. • Types of Machine Learning: Classification vs Clustering	Prof. (Dr.) Guru Prasad
	• Case Study Classification and Regression Case Studies.	Industrial Expert
Day 3 (Wednesday) March 05, 2025	**Machine Learning Clustering and Deep Learning Day** • Introduction to Clustering Methods • Case Study Implementation using types of Clustering	Prof. (Dr.) Narayan Chaturvedi
	• Introduction to Deep Learning Methods • Hands-on Session: Building a Simple Neural Network	Dr. Deepak Gaur
Day 4 (Thursday) March 06, 2025	**Advanced Topics in AI** • Natural Language Processing (NLP) • Introduction to LLMs and how they work	Mr. Priyank Pandey
	• Session on Prompt Engineering and Gen AI • Ethical Considerations and Challenges in AI	Prof. Amrish Kumar Sharma
Day 5 (Friday) March 07, 2025	**Practical Implementation and Project Work Assessment** • Development of a full-fledged project based upon previous day learning as per learner's genre. • Group Discussions and Q&A Session • Assessment and Feedback	All the experts + Industrial Experts

Organising Team

Chief Patron —
Prof. (Dr.) Kamal Ghanshala
President, Graphic Era Group of Institutions Uttarakhand

Patron —
Prof. (Dr.) Vijay Kumar Saraswat
Chancellor, Graphic Era (Deemed to be University), Uttarakhand

Coordinator —
Ms. Garima Sharma
Assistant Professor, Department of Computer Science and Engineering, Graphic Era Deemed to be University, Dehradun

Co-Coordinator —
Mr. Piyush Agarwal
Assistant Professor, Department of Computer Science and Engineering, Graphic Era Deemed to be University, Dehradun

Co-Patron —
Prof. (Dr.) Narpinder Singh
Vice-Chancellor, Graphic Era (Deemed to be University), Uttarakhand

Prof. (Dr.) D. R. Gangodkar
Dean Computing, Graphic Era Deemed to be University, Dehradun

Prof. (Dr.) Devesh Pratap Singh
HoD, Department of Computer Science & Engineering, Graphic Era Deemed to be University, Dehradun

For any queries or clarifications, kindly contact:

Ms. Garima Sharma
Mob: +91-9958177157
Email: garimaverma@geu.ac.in

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