Department of Computer Applications

Report

Value-Added Certificate Course on

Generative AI and Predictive Analytics for Real-World Applications

Date: 1st Oct, 2025 – 27th Jan, 2026
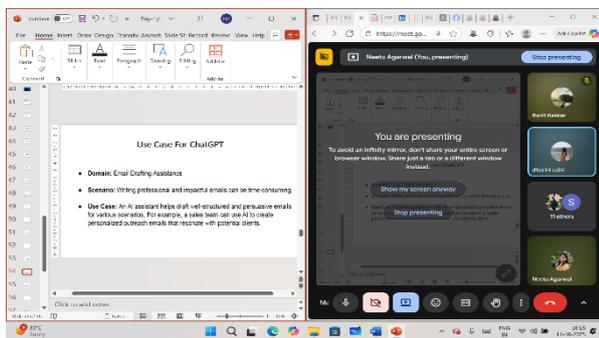**No. of Participants**: 200
Mode: Online via Gmeet
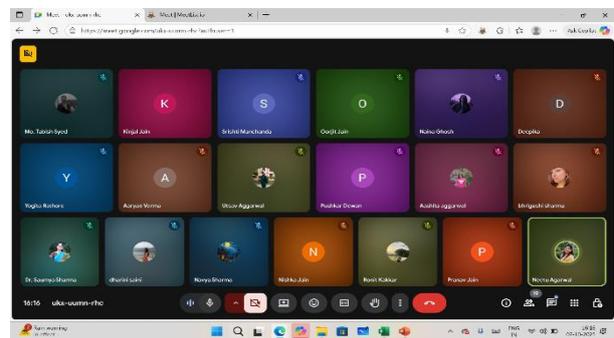**Timings:** 3:00 PM- 4:30 PM
Days: Tuesday & Thursday
Faculty Coordinators: Ms. Neetu Agarwal, Assistant Professor, Dept. of Computer Applications
Dr. Charul Nigam Assistant Professor, Dept. of Computer Applications

The Department of Computer Applications, Maharaja Agrasen Institute of Management Studies, under the aegis of IQAC, successfully organized a 30-hour Value-added Certification Course titled *"Generative AI and Predictive Analytics for Real-World Applications"* from October'25 to January '26. The sessions were conducted twice a week on Tuesday and Thursday from 3:00 PM to 4:30 PM. The course was designed to introduce students to the foundational principles, tools and real-world applications of Generative Artificial Intelligence and Predictive Analytics, with a strong focus on hands-on learning and industry relevance.

The primary objective of the course was to equip students with a comprehensive understanding of Generative AI models, prompt engineering techniques, large language models and the integration of predictive analytics in data-driven decision-making. The curriculum covered strategic foundations of Generative AI, data acquisition and preprocessing, regression and classification modeling, visualization techniques, automated AI reporting, AI-driven presentation and design automation, video creation technologies, applications in marketing and education and ethical challenges related to responsible AI usage. The course also included MCQ-based assessments and mini capstone projects to evaluate students conceptual clarity and practical implementation skills.

Online classes being conducted via Gmeet   *Classes are being taken by the Resource Person*

The training emphasized experiential learning through real-world datasets, case studies and interactive sessions, enabling participants to develop practical competencies aligned with current industry demands. Registration was open to both internal and external participants on a first-come, first-served basis. Certificates of Completion were awarded to participants who maintained a minimum of 75% attendance,

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submitted assignments regularly and secured at least 60% marks in the assessments. Certificates of Merit were awarded to the top five performers in recognition of their outstanding performance.

The course was conducted under the mentorship of Prof. (Dr.) Rajni Malhotra Dhingra, Director, MAIMS, and the guidance of Dr. Sarita Bansal Garg, HOD, Department of Computer Applications. The program was convened and delivered by Ms. Neetu Agarwal and Dr. Charul Nigam, Assistant Professors in the Department of Computer Applications. The successful completion of this certification program reflects the institute's commitment to fostering innovation, enhancing technical competencies and preparing students for emerging opportunities in the rapidly evolving domain of Artificial Intelligence. The Department looks forward to organizing more such future-oriented skill enhancement programs to bridge the gap between academic learning and industry expectations.