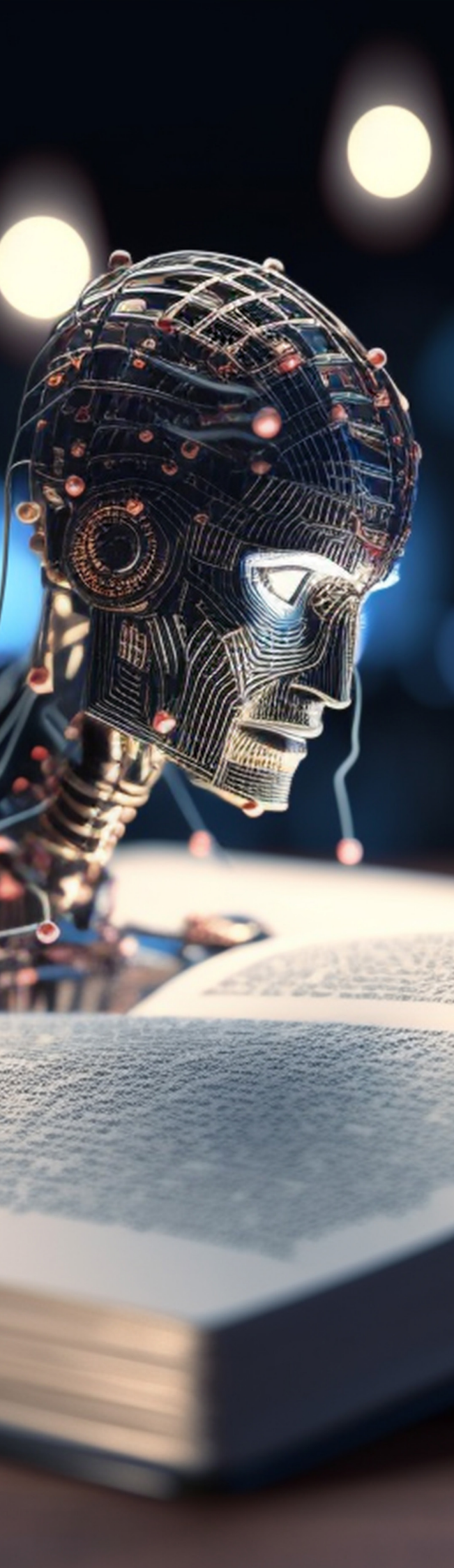**jims**
Sector - 5, Rohini, Delhi

FACULTY DEVELOPMENT PROGRAM
ON
**APPLICATIONS OF ARTIFICIAL INTELLIGENCE
AND DEEP LEARNING IN RESEARCH**

6th– 10th January 2025

Organised by

Department of Information Technology,
Jagan Institute of Management Studies, Sector–5, Rohini, Delhi

ABOUT FDP

Deep learning, a subset of artificial intelligence (AI), leverages neural networks with multiple layers to model complex patterns and representations in data. Inspired by the structure of the human brain, these networks learn from vast amounts of information, identifying intricate patterns that traditional algorithm might miss. Deep learning has revolutionized various fields, from image recognition to natural language processing, by enabling computers to perform tasks that previously required human intelligence.

In academics and research, deep learning has become a transformative tool. It assists researchers in processing massive datasets, allowing for faster and more accurate data analysis in fields such as biology, physics, and social sciences. For instance, deep learning algorithms can analyze genomic data, detect anomalies in medical imaging, and predict complex chemical interactions, all of which accelerate scientific discovery. In the humanities, deep learning aids in deciphering ancient texts and understanding linguistic trends.

Our upcoming Faculty Development Program (FDP) aims to equip faculty members with foundational and advanced knowledge of AI and deep learning, focusing on their transformative applications in academics and research. This program will provide an overview of deep learning principles, showcase practical applications in fields like data analysis, medical research, and education, and explore how these technologies can enhance teaching and personalized learning. Through interactive sessions, hands-on workshops, and knowledge-sharing discussions, faculty members will gain valuable insights and skills to leverage AI and deep learning in their own academic work, quality publications in journals and patents and fostering a culture of innovation and interdisciplinary collaboration.

OBJECTIVES

1. Introduce fundamental concepts of AI and deep learning relevant to academic and research contexts.
2. Demonstrate practical applications of deep learning across diverse fields, including data analysis and education.
3. Equip faculty with tools and techniques for implementing AI-driven solutions in research projects.
4. To promote quality research publications & familiarise with process of IPR and patent filing.
5. Foster a collaborative environment for knowledge exchange and interdisciplinary research innovation.

PROGRAM SCHEDULE

Date	Resource Person	Session 1 9:30 am - 11:30 am	Session 2 12 noon - 2:00 pm
Jan 06	Dr. A.K. Mohapatra (HOD-IT, IGDTUW)	Artificial intelligence	Cyber Security
Jan 07	Dr. Aman Jatain (Profesor, SOET, KR Mangalam University)	Artificial Intelligence	Artificial Intelligence
Jan 08	Dr. Anuradha Chug (Associate Professor, USICT, GGSIPU)	Deep learning and Diffusion Matrix	Deep learning and Diffusion Matrix
Jan 09	Dr. Ajay Singholi (Director, GGSIPU, East Campus)	Robotics	Robotics
Jan 10	Dr. Mithilesh Kumar Dubey (Professor, Lovely Professional University)	Research motivation & insights on paper publication in SCI indexed journals	IPR and Copyrights

ELIGIBILITY

This programme is open to the faculty members/ research scholars from Colleges, Universities, Polytechnic Colleges, Industry and Research Organizations.

DURATION & VENUE

• FDP will be organized in offline mode from 6th January 2025 to 10th January 2025
• Venue: Jagan Institute of Management Studies, Sector-5, Rohini, Delhi 110085
• No TA will be provided to the participants.
• For outside Delhi participants, stay at hostel can be provided at nominal charges. Participants need to make a formal request for the same via email to the organizer at least 10 days in advance.

FEE & REGISTRATION

Interested participants can apply using the link https://www.jimsindia.org/fdp/ . Candidates are required to register on or before 30th December 2024. All participants have to pay a registration fee of Rs 500 while filling up the registration form. For any other query, participants can email and seek guidance at fdp@jimsindia.org.

ABOUT JIMS

Jagan Institute of Management Studies (JIMS) imparts professional education at post graduate and graduate levels in the fields of Management and Information Technology. The Institute has been working for the attainment of a mission: to develop highly skilled and professional human resource for industry for the past 30 years. Established in 1993, it has now acquired a commendable position as one of the premier institutes of the country. Our PGDM, PGDM (IB), PGDM (RM) programmes are approved by the All India Council for Technical Education (AICTE), accredited from National Board of Accreditation (NBA) for excellence in quality education and have also been granted equivalence to MBA degree by Association of Indian Universities (AIU). Our GGSIP University affiliated programs are MCA, BBA, BCA and BA (H) (Eco.). The MCA programme is also accredited by the National Board of Accreditation. The National Assessment and Accreditation Council (NAAC) has accredited JIMS at A++ grade. JIMS Rohini has got South Asian Quality Standards (SAQS) accreditation for quality assurance standards which increase our visibility among the South Asian Countries. JIMS Rohini, Delhi continues to remain in the list of elite B schools of India (Top 100) for 9 years in a row since the inception of ranking in 2016. Apart from providing gainful and decent placements to its students, JIMS also encourages the spirit of entrepreneurship and acts as an incubation center for aspiring entrepreneurs and young startups. The Institute proves to be an ideal place for those wishing to engage in academic pursuits and to seek intellectual fulfilment.

PATRON
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