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Department of Computer Applications
Report
Faculty Development Program (FDP) on "Mastering Data Analytics: From Fundamentals to Advanced Techniques with Real-World Applications"

Date: January 6th-10th, 2025
No. of Participants: 36
Timings: 1:00 PM to 4:30 PM
Venue: Zoom (Online)
Collaborators: Lloyd Business School, IBM Business Analytics Lab
Faculty Coordinators: Mr. Aashish, Assistant Professor, Dept. of Computer Applications
Ms. Neetu Agarwal, Assistant Professor, Dept. of Computer Applications
Resource Persons: Dr. Saumendra Mohanty, Dr. Neetu Bali Kamra, Mr. Mohit Agrawal, Ms. Neha Issar
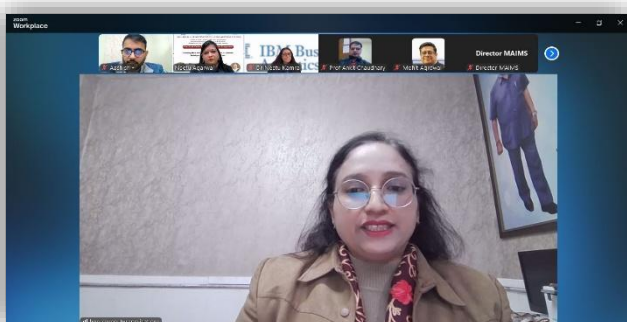(Faculty, Lloyd Business School)

The Department of Computer Applications at Maharaja Agrasen Institute of Management Studies (MAIMS), in collaboration with **Lloyd Business School and IBM Business Analytics Lab**, successfully organized a one-week Faculty Development Program (FDP) on *"Mastering Data Analytics: From Fundamentals to Advanced Techniques with Real-World Applications"* from January 6th to 10th, 2025 in online mode via Zoom platform. This FDP aimed to provide an in-depth understanding of data analytics, data visualization, and artificial intelligence (AI) using advanced tools such as Excel, Power BI, Orange, IBM Watson, and SPSS Cognos. The collaborative effort ensured that the program brought together the best academic practices, corporate insights, and hands-on learning experiences to equip participants with practical skills for solving real-world challenges and integrating analytical tools into their teaching and professional practices. This initiative, under the visionary leadership of Prof. (Dr.) Rajni Malhotra Dhingra, Director, MAIMS, and the dedicated coordination of Dr. Sarita Bansal Garg, Head, Department of Computer Applications, saw enthusiastic participation from educators, researchers, and industry professionals.
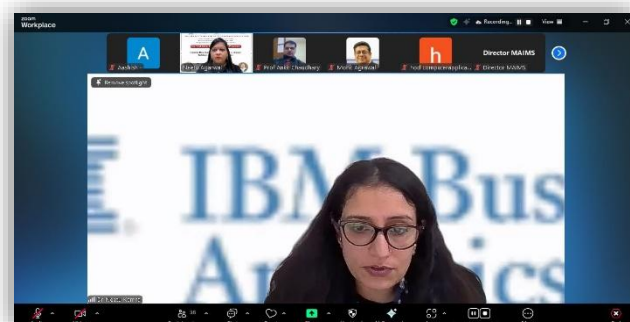

Prof. Ankit Chaudhry delivering the inaugural address at the FDP
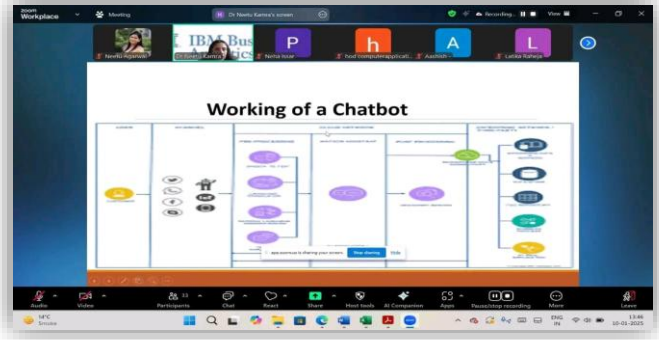

Participants attending the FDP

Dr. Sarita Bansal Garg, Head of BCA Department, delivering the vote of thanks in the inaugural session

Neetu Bali Kamra discusses about the IBM certification with the participants

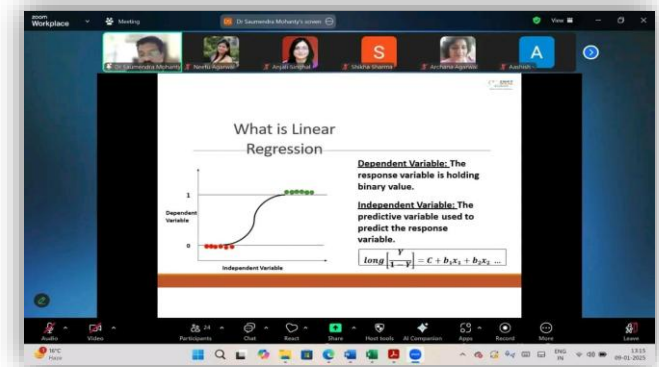*Valedictory session honoured by Prof. V.V. Subrahmanyam, Professor, IGNOU*

Working of chatbots is being taught to the participants

The FDP featured a stellar lineup of distinguished speakers from academia and industry, bringing immense expertise in AI and data analytics. The inaugural session was graced by Chief Guest **Prof. Ankit Chaudhry**, Associate Dean, School of Engineering, JNU, who emphasized the growing significance of data analytics. Day 1, led by **Dr. Saumendra Mohanty**, covered statistical analysis using Excel, including regression, hypothesis testing, and correlation with real-world datasets. On Day 2, **Mr. Mohit Agrawal** introduced Power BI, focusing on data visualization, dashboard creation, and connecting to various data sources. Day 3 delved into advanced Power BI applications for research-driven projects. Day 4, conducted by **Dr. Saumendra Mohanty**, explored machine learning and generative AI using Orange, emphasizing model development and evaluation. On Day 5, **Dr. Neetu Bali Kamra** led hands-on sessions on AI and data visualization using IBM tools like SPSS Cognos and IBM Watson, providing insights into IBM certifications. **Ms. Neha Issar** contributed practical applications of generative AI in HR and business analytics. The five-day FDP provided a comprehensive understanding of AI, data analytics, and visualization techniques with hands-on training.

Ms. Neha Issar, a certified expert in Predictive Analytics and Data Science, delivering a session

Dr. Saumendra Mohanty delivering a session on Regression in the FDP

The valedictory session was honored by **Prof. V.V. Subrahmanyam**, Professor, School of Computer and Information Sciences, IGNOU, Delhi, who commended the organizers for a well-structured program and encouraged participants to continue leveraging data analytics for innovation and impactful contributions in their fields. The FDP attracted participants from diverse backgrounds, including academicians, researchers, industry professionals, and postgraduate students. Its holistic approach not only enhanced participants technical proficiency but also empowered them to integrate data analytics into their teaching and professional practices. Certificates were awarded to participants who met the mandatory attendance criteria and successfully completed the final assessment. Through this initiative, MAIMS reaffirmed its dedication to academic innovation and its mission to empower educators and professionals with cutting-edge knowledge and skills in data analytics and artificial intelligence.