DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES

(Formarly Dr. Akhilesh Das Gupta Institute of Technology & Management)

Department of Artificial Intelligence and DataScience

Report on Data Science and Applications Workshop

Dated: 15/02/2024

Date of Event: 13th Feb 2024 (11:00 am- 3:00 pm)

Venue: Room no. 2216, Dr. Akhilesh Das Gupta Institute of Professional Studies

Objectives: The Data Science and Applications One Day Workshop aimed to provide participants with a comprehensive understanding of data science principles, methodologies, and their practical applications across various domains. The workshop featured a series of lectures, hands-on sessions, and discussions led by industry expert and seasoned practitioners in the field.

Delegates (Speakers): Mr. N i t i s h R a n j a n (Wipro Certified Faculty)

Key Highlights:

1. **Introduction to Data Science**: The workshop commenced with an introductory session that outlined the fundamental concepts of data science, including data collection, preprocessing, analysis, and interpretation. Participants gained insights into the interdisciplinary nature of data science and its significance in today's data-driven world.
2. **Data Visualization Techniques**: A session dedicated to data visualization techniques was conducted, focusing on the importance of visualizing data to gain meaningful insights. Various tools and techniques for creating effective visualizations were demonstrated, enabling participants to effectively communicate their findings through visual

representations.

3. **Machine Learning Algorithms**: A comprehensive overview of machine learning algorithms was provided, covering supervised, unsupervised, and reinforcement learning techniques. Participants learned about the practical applications of machine learning in real-world scenarios and gained hands-on experience in implementing algorithms using popular libraries such as Scikit-learn and TensorFlow.
4. **Case Studies and Practical Applications**: The workshop featured several case studies and practical demonstrations showcasing the application of data science in diverse domains such as healthcare, finance, marketing, and cybersecurity. These case studies provided participants with valuable insights into how data science techniques can be applied to solve complex problems and drive decision-making processes in various industries.
5. **Ethical Considerations in Data Science**: An important aspect covered in the workshop was the ethical considerations surrounding data science practices. Participants engaged in discussions regarding data privacy, bias mitigation, and responsible use of data, emphasizing the importance of ethical guidelines in data-driven decision-making.

Outcomes: The Data Science and Applications One Day Workshop provided participants with a comprehensive understanding of data science principles, methodologies, and practical applications. Through a combination of lectures, hands-on sessions, and case studies, participants gained valuable insights into the interdisciplinary nature of data science and its significance in today's data-driven world. The workshop successfully equipped attendees with the knowledge and skills necessary to leverage data science techniques effectively in their respective domains.

Beneficiaries: ADGIPS students

Photographs of event with title: Data Science and Applications One Day Workshop Photographs & certificates snapshotenclosed.

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SPEAKER
TUESDAY
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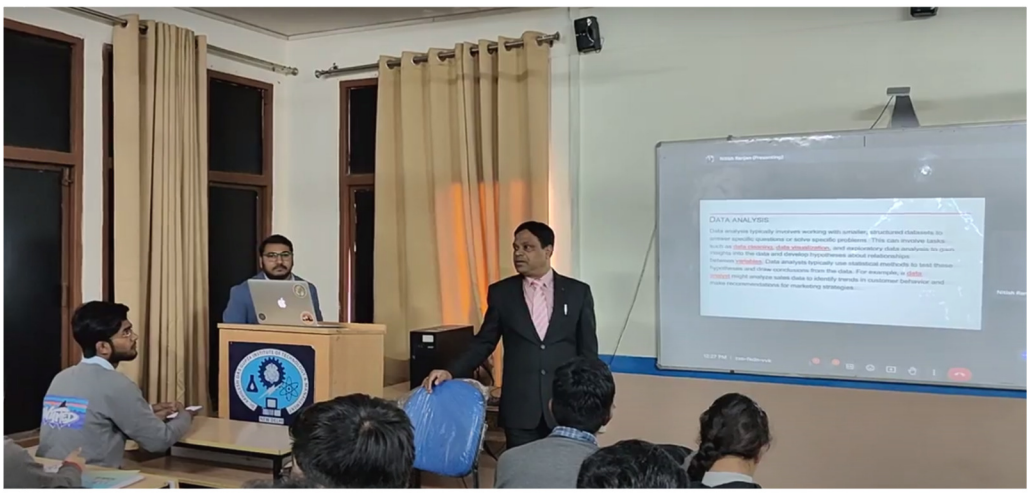
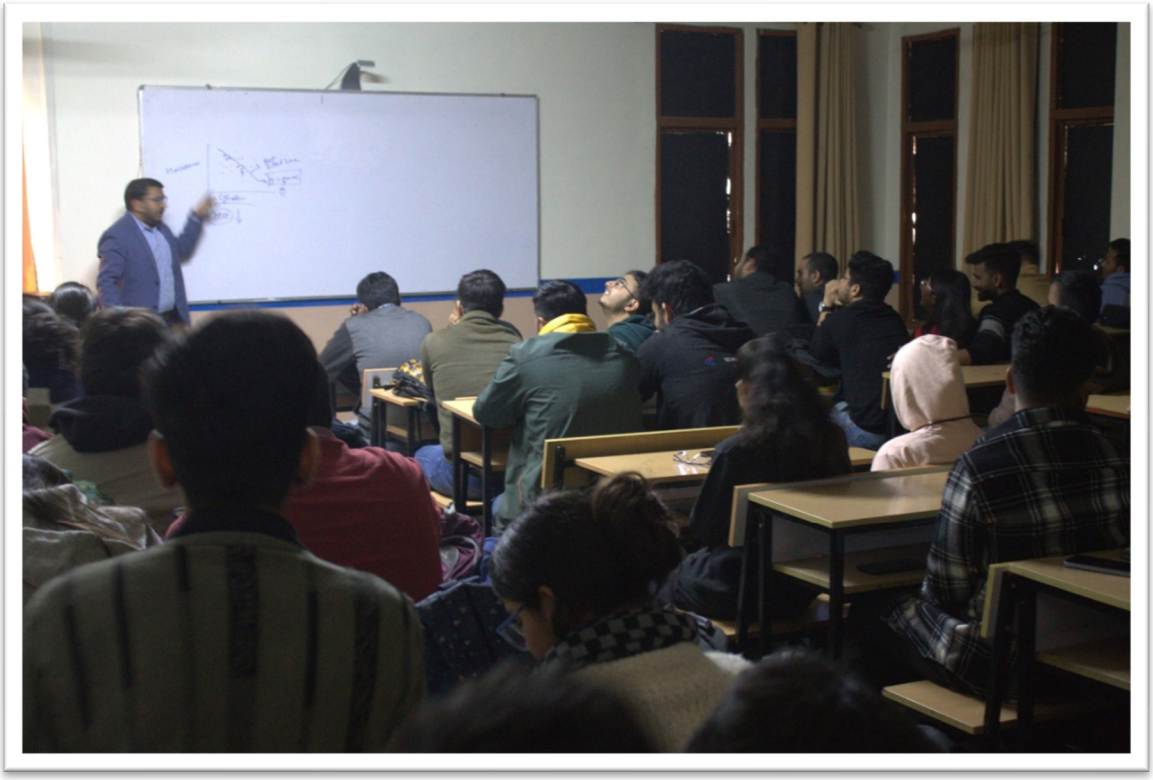
ROOM NO.2216
ADGIPS
STARTS AT
12:00 PM
MR. NITISH RANJAN
WIPRO Certified Faculty





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