

Data Analytics & Data Science Workshop

23 December 2022

Workshop and seminars are an inherent part of Maharaja Surajmal Institute of Technology's culture and are repeatedly organized for the benefit of students.

A workshop on **Data Analytics & Data Science** by **Mr. Pushendra Sharma**, a Data Scientist with 6+ years of experience, currently working in Accenture and associated with Ducat, was held on 23 December 2022. The workshop focused on Data Science and its analysis along with some live examples of the methods of its practical implementation. He mentioned the fields that Data Science includes, like Data Analytics and Artificial Intelligence which further consists of Machine Learning and Deep Learning as its part. He emphasized on the importance and requirement of Data Science and Analysis in the present scenario with several real-life examples of problems while handling and storing data and their solutions. He highlighted the technologies used for data storage, data analysis and its visualization like Microsoft Excel which had the drawback of platform dependency, SQL/Database, Microsoft Power BI and Tableau for structured data and MongoDB and Hadoop for unstructured as well as Big Data. He explained the process of data collection, recommendation, tracking and prediction with the help of examples like online shopping, relevant advertisements and Google Maps.

After walking us through the theoretical aspects of Data Science, he demonstrated the techniques of Data Analysis and Visualization with various functionalities in Power BI and python. The seminar was wrapped up by guiding the students to work towards personality development and polishing their skills in their respective fields of interest. Overall It was very effective and helpful workshop for the students.





MSIT CSE Department