



## **Data Science and Analytics Program Report (AY:2022-23)**

**Name of the program: “Data Science and Analytics”**

**Day/Duration: 23.06.2023**

**Time: 11.00 Am to 4 Pm**

**No of participants: 42**

**Course Outcome:**

### **Data Analysis and Visualization:**

- Students will be able to analyze datasets using statistical methods and visualize data effectively using tools like Python, R, or Tableau, demonstrating an understanding of key data analysis concepts.


### **Machine Learning Fundamentals:**

- Learners will demonstrate the ability to apply basic machine learning algorithms to solve problems, including data preprocessing, model training, evaluation, and interpretation of results.

### **Topic Covered:**

1. Introduction to Data Science
2. Data Exploration and Preprocessing
3. Statistical Analysis
4. Data Visualization Techniques
5. Machine Learning Fundamentals
6. Supervised Learning Algorithms
7. Unsupervised Learning Algorithms
8. Model Evaluation and Selection
9. Big Data Technologies
10. Data Ethics and Privacy
11. Hands-on Projects and Case Studies
12. Tools and Frameworks (e.g., Python )



  
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## CO PO MAPPING

COs	POs
CO1: Data Analysis and Visualization	P1,P2,P4,P5
CO2: Machine Learning Fundamentals	P1,P2,P3,P4,P6

**Assessment procedure:** The assessment of this program was conducted using multiple choice questions.



  
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