Student Name: A.SaiJoshitha   **Reg.No.:192424220**
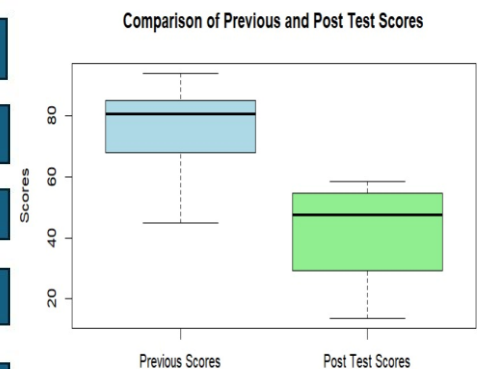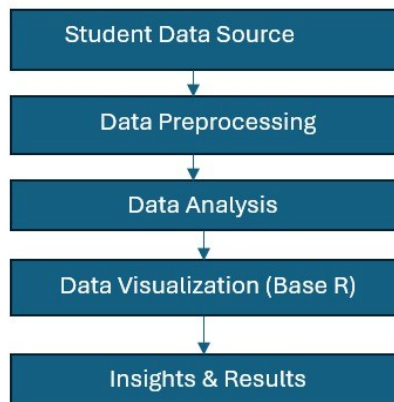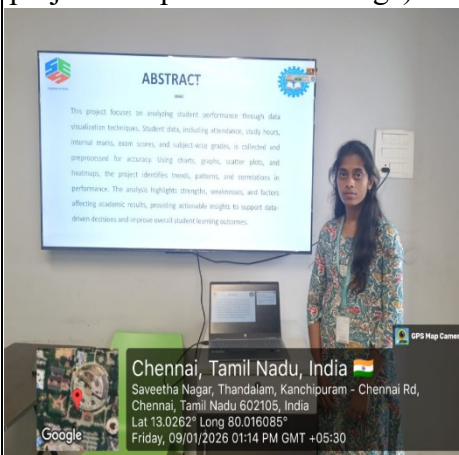
Course Code: DSA0613   **Slot:** Slot-A

Course Name: Data Handling and Visualization for Data Analytics

Course Faculty: Dr. Kumaragurubaran.T, Dr. Senthilvadivu S

Project Title: Student Performance Analysis using Data Visualization

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Module Photographs: (3 photographs –Module Photo, Individual student contribution module work in the project and presentation image)

Project Description: (here you write what you did in this project (contribution) including Model Description

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Module 2 –Student Behavior & Attendance Impact on Performance

The module analyzes how students' conduct and attendance influence their academic results. It examines attendance patterns and behavioral indicators to identify their correlation with academic performance. The module helps in detecting students whose poor attendance or behavior may affect learning outcomes. Visual analysis enables educators to understand trends and take timely corrective actions. It supports early intervention through counseling, mentoring, or academic support.

FORMULAS

- Attendance Percentage: Attendance (%) = (Number of Days Present / Total Working Days) × 100

- Behavior Score: Behavior Score = (Sum of Behavior Ratings) / (Total Behavior Parameters)

- Attendance Impact Factor: Attendance Impact = (Attendance (%) / 100) × Average Marks

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Student Signature   **Guide Signature**