



## SIMATS ENGINEERING

Saveetha Institute of Medical and Technical Sciences  
Chennai- 602105



**Student Name:** A.Bhavya

**Reg. No.:** 192424417

**Course Code:** DSA0613

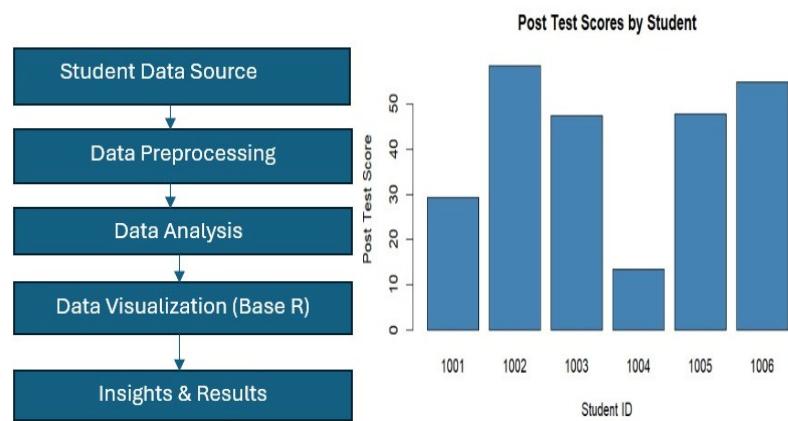
**Slot:** Slot-A

**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

**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)

### Module 1 –Student Academic Performance Analysis

The Student Academic Performance Analysis module focuses on evaluating students' academic data such as marks, attendance, and assessment scores. It analyzes performance trends across subjects, semesters, or academic terms to identify strengths and weaknesses. Data analysis reduces manual calculation errors and improves accuracy in performance evaluation. It supports informed decision-making for educators to enhance teaching strategies. Overall, this module improves academic monitoring and student learning outcomes.

### FORMULAS

- Average Marks:  $\text{Marks} = \text{Subject Marks} / \text{Total Subjects}$
- Attendance Percentage:  $\text{Attendance (\%)} = (\text{Days Present} / \text{Total Working Days}) \times 100$
- Performance Score:  $\text{Score} = \text{Average Marks} + \text{Attendance (\%)} / 2$

**Student Signature**

**Guide Signature**