

Project Idea Submission

Project: Student Marks Prediction Model using Linear Regression

Course: Data Science – BSCS-V, Section E

Instructor: Dr Muhammad Ismail Mangrio

Group Members:

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Project Idea:

Our group aims to develop a Student Marks Prediction Model using Supervised Machine Learning (Linear Regression). The goal is to predict a student's final marks based on multiple academic and behavioral factors such as

- ✓ Hours studied
- ✓ Attendance percentage
- ✓ Assignment scores
- ✓ Quiz scores
- ✓ Class participation

We will perform data preprocessing, exploratory data analysis (EDA), feature selection, and then train a regression model to analyze how each factor affects the student's overall performance. The model will output the predicted marks for a student based on input parameters.

Expected Outcome:

A regression-based predictive model capable of estimating students' marks based on academic habits and performance indicators.