# Implementation Description

This code implements Object-Oriented Programming concepts in MATLAB by developing a MATLAB-based student management system that allows users to manage student records, perform various analyses, and visualize student data.

# Instructions for Running

Ensure that all files are in their correct orientation and execute the main script.

# List of Implemented Features

1. Constructor
2. Methods
3. Save and Loads databases
4. Create and Initialize databases
5. Custom Color Schemes

# Visualizations

**GPA Distribution**

Number of Students vs GPA

**Average GPA by Major**

Average GPA: Computer Science, EcE, Mathematics, MechE, Physics — Major

**Age Distribution**

Number of Students vs Age