2024-2025

Mini Project

6th Semester
3rd year

Prepared by group 1

Team Members

Ritik Malviya

AM21007

Leader

Ankush Gupta

AM21062

Member

Sohail Ansari

AM22D004

Member

Ruchita Kumbhare

AM21002

Member

BRIEF INTRODUCTION ON PROJECT TOPIC

Introduction

In the rapidly evolving landscape of education, it has become crucial to leverage Artificial Intelligence and Machine Learning (AIML) techniques to enhance the understanding of student performance. The aim of this mini project is to design and implement a system for comprehensive analysis and prediction of college student performance.

PROJECT HIGHLIGHTS

- Platform for Students and teachers
- Student Dashboard
- Performance analyser
- CGPA & SGPA calculator
- ESE guidance

PROBLEM STATEMENT

STUDENT PERFORMANCE ANALYSIS FOR COLLEGE

Student Performance Analysis System

A platform which enables students to analyze there academic as well as non academic performance.
It also enables teachers to keep track on students records and guide students for better performance.

Login

Create Account

OBJECTIVES

Project Objectives

Data Collection

- Gather relevant data including academic records, attendance, extracurricular activities, and socio-economic factors.
- Identify and extract meaningful features from the collected data to build a robust performance analysis model.

Model Development

- Employ AIML algorithms to develop a predictive model for student performance.
- Seek input from students and faculty to refine predictions and recommendations.

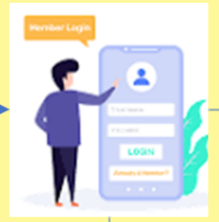
Dashboard Creation

- Develop an intuitive dashboard for visualizing and interpreting the performance analysis results.
- Ensure user-friendly interfaces for administrators, faculty, and students.

METHODOLOGY

Methodology

Start



Teacher will login into the system.

Teachers will student enter data. Data will consist of student marks of CAE and End Semister.

Firebase

Student will login into the system.

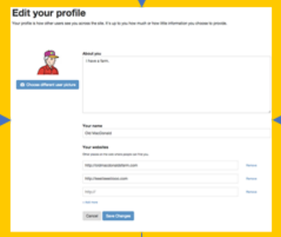
Power BI

+ableau

Edit Profile

Here Students will be able to update there profile.

Also they can upload there certificates and links of there social media platform.



Log Out Option For Both Teacher And Students

End

EXPECTED OUTCOMES

Expected Outcomes

- Integrate timely interventions and support mechanisms to enhance student success rates.

- This mini project offers an opportunity to apply theoretical knowledge to real-world scenarios, contributing to the advancement of education through intelligent data-driven insights.

- Aim for a model that can be generalized to different educational institutions.

Thank You