M.Muzzamal   (110837)
Imran Ali   (110855)

DataBase
Management System
Project # 06

Mam Sehrish Khan

DataBase Management System

Project # 06

- **Representators:**

  Muhammad Muzzamal (110837)

  Imran Ali (110855)

- ***submitted to : Mam Sehrish Khan***

- ***Department: BS IT***

- ***Semester : 4th***

- ***Govt. Post Graduate College Civil Lines Sheikhupura***

ERD

Statement:

College Academic System with Results and Teaching Load:

This system handles student enrollment, course registration, attendance, assessments, and grade processing. Professors have maximum teaching loads, and class timetables are auto-generated to avoid conflicts. Students have access to academic history, backlogs, and improvement options. Faculty members submit grades online and can mark attendance via an internal app. The system tracks results and generates department-wise performance analytics.

Entities:

- Department
- Courses
- Professor
- Enrollment
- Attendance
- Student
- Grade

Entities with attributes:

Department(dpt_id, dpt_name, dpt_performance)

Course(course_id, course_title, credit-hours)

Professor(prof_id, prof_name, maxTeachingLoad, prof-dpt)

Enrollment(enroll_id, enroll-semester, improvementOprations)

Attendance(att-id , att-date, atr-status)

Student(std_id, std_name, std_academicHistory, std-Backlog, std_email)

Grade(grade-id, latterGrade, grade_marks, submissiondate)

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