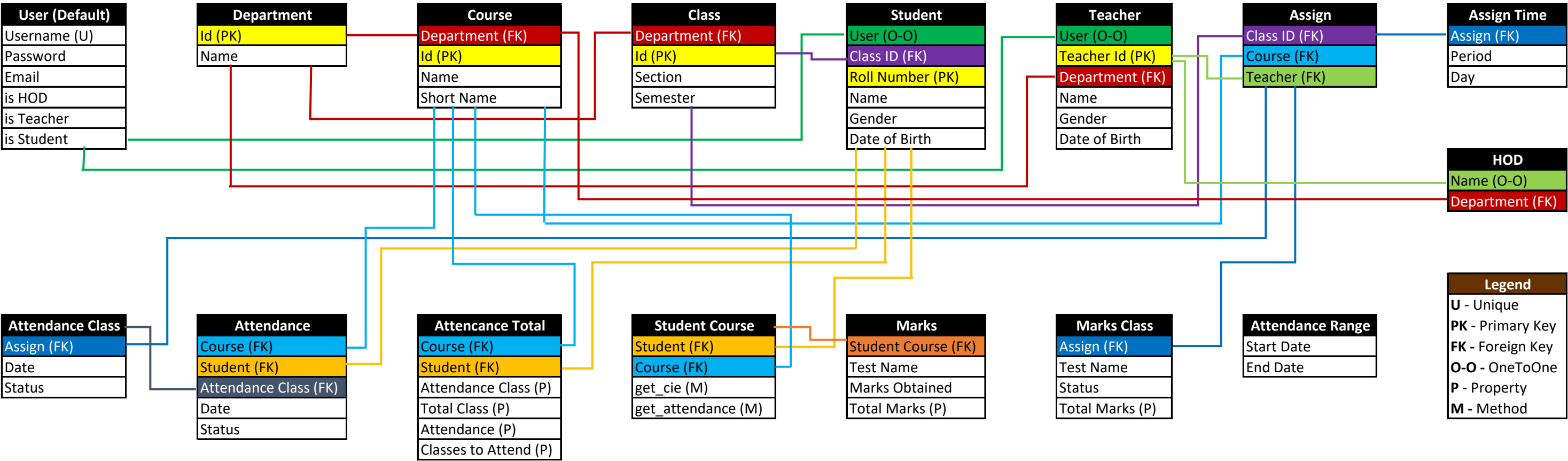


# University Enterprise Resource Planning System (UERPS)



The diagram represents an **Entity-Relationship Diagram (ERD)** for a university management system, showcasing various tables and their connections. Here's a breakdown of the tables and relationships:

- 1. User Table:**  
Stores user details like username, password, and email.  
Links students and teachers to their respective roles.

**2. Department Table:**  
Manages departments within the university.  
Connects with courses, classes, and the Head of the Department (HoD).

**3. Course Table:**  
Defines courses offered by departments.  
Interconnected with classes, students, attendance records, and assignments.

**4. Class Table:**  
Manages classes in terms of section, semester, and department.  
Connects students and attendance records.

**5. Student Table:**  
Contains details about students, including their class, roll number, and personal information.  
Linked to the class, courses, and attendance.

**6. Teacher Table:**  
Stores teacher information such as department, name, and ID.  
Connected to assignments and departments.

**7. HOD Table:**  
Stores HOD information such as teacher name and department.  
Linked to the teacher and department.

**8. Assign Table:**  
Allocates courses and classes to teachers.  
Linked to classes, courses, and teachers.

**9. Assign Time Table:**  
Allocates periods to teachers.  
Connected to assign.

**10. Attendance Tables:**  
Two tables—Attendance Class and Attendance—store attendance records.  
Attendance data links students, courses, and specific dates.

**11. Student Course Table:**  
Stores student course with their cie and attendance.  
Connected to students and courses.

**12. Marks Tables:**  
Manage student performance in tests and assignments.  
Connected to courses and assignments.

The relationships between these tables are established using **Primary Keys (PK)**, **Foreign Keys (FK)** and **Unique (U)** to ensure data integrity.