Registrar Student Management Systems for Computer Studies Department of Bicol University Polangui

Brief description of the system:

Our group proposes the development of a Registrar Management System specifically designed for the Computer Studies Department of Bicol University Polangui. This system aims to centralize and streamline the management of student-related information, class schedules, and personal records. By digitizing these processes, the system will help improve data organization, enhance communication between students and faculty, and support better decision-making within the department. The ultimate goal is to create a more efficient and transparent environment for academic management and student support.

Key functionalities:

1. **Student Information Management**
   o Stores and manages student personal data, course, and section assignments.
2. **Course and Subject Management**
   o Maintains a list of degree programs and subject offerings.
3. **Class Scheduling Management**
   o Handles subject schedules, classrooms, and faculty assignments.
4. **Enrollment Processing**
   o Records student enrollment per semester, including subject and schedule links.
5. **Grade Management**
   o Allows instructors to input and update student grades for each enrolled subject.

6. **User Role and Access Control**
   o Defines and enforces roles (admin, faculty, student) with appropriate access permissions.
7. **Audit Trail Logging**
   o Captures system activity such as data updates, deletions, and user actions for accountability.

Stakeholders:

1. **Registrar's Office Staff**

   o Main users who manage enrollment, student records, and schedules.

2. **Department Chair**

   o Monitor enrollment data, assign faculty, and manage class offerings.

3. **Students**

   o View personal data, check enrollment status, schedules, etc.

4. **Faculty Members / Instructors**

   o View class schedules, student lists, and possibly input grades.

Core data processes:

- **Insert and update student data**
  → (Student)
  – Adds or modifies personal information for each student.
- **Create and manage course offerings**
  → (Course, Department)
  – Adds new courses, assigns them to departments, and stores descriptions and credits.
- **Assign and manage instructors**
  → (Instructor, Department)
  – Registers instructors and links them to their respective departments.
- **Schedule classes**
  → (ClassSchedule)
  – Links subjects with instructors, time slots, rooms, and days of the week.
- **Process student enrollment**
  → (Enrollment)
  – Records what course a student is taking in each semester, and their status (Enrolled, Dropped, Completed).
- **Track enrollment history**
  → (Enrollment)
  – Maintains historical data across semesters and years.
- **Record and manage grades**
  – Stores student grades per subject, per semester, linked to enrollment or class schedule.

Members with Roles

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Jon Matthew B. Mella	Database Architect
Jaiden Nykluz Fermante	SQL Developer
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