DATABASE ASSIGNMENT

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PROJECT TITLES

1.Student Information Management System

2.Course Enrollment Management System

3.Teacher-Course Allocation System

CURRENT BUSINESS PROCESSES

1.STUDENT INFORMATION MANAGEMENT SYSTEM

- Registering new students
- Updating student records
- Generating student reports

2.COURSE ENROLLMENT MANAGEMENT SYSTEM

- Students enrolling in classes
- Tracking enrolled courses per student
- Managing enrollment limits

3.TEACHER-COURSE ALLOCATION SYSTEM

- Assigning teachers to courses
- Scheduling classes

PROBLEM STATEMENTS

1.STUDENT INFORMATION MANAGEMENT SYSTEM

- The school currently manages student data manually,leading to data loss, redundancy and difficulty in tracking academic progress.

2.COURSE ENROLLMENT MANAGEMENT SYSTEM

- Enrollments are done on paper leading to lack of real time updates for students and faculties.

3. TEACHER-COURSE ALLOCATION SYSTEM

- There is no structured way to assign teachers to courses resulting into inefficiencies and poor work load distribution.

PROPOSED BUSINESS PROCESS

1. **STUDENT INFORMATION MANAGEMENT SYSTEM**
● Automate student registration
● Store and retrieve academic data
● Generate printable reports
2. **COURSE ENROLLMENT MANAGEMENT SYSTEM**
● Allow students to register for courses online
● Allow administrators to view enrollment history
● Check for course capacity
3. **TEACHER-COURSE ALLOCATION SYSTEM**
● Schedule the teacher's time table
● Assign teachers based on qualifications

ENTITIES AND ATTRIBUTES

1.STUDENT

- StudentID
- FirstName
- LastName
- DateOfBirth
- Gender
- Email
- PhoneNo

2. LECTURER

- LecturerID
- FirstName
- LastName
- Email
- PhoneNo
- Department
- Qualification

ENTITIES AND ATTRIBUTES

3. COURSE

- CourseID
- CourseName
- CourseCode
- Department

4. ENROLLMENT

- EnrollmentID
- StudentID
- CourseID
- DateOfEnrollment
- EnrollmentStatus

THE ENTITY RELATIONSHIP DIAGRAM FOR THE ORGANISATION