

## **Lab 2: Project Identification & Proposal**

**Project Title:** Student Management System

### **Problem Statement**

Schools and educational institutions face challenges in managing student data such as enrollment details, grades, and attendance using manual or paper-based systems. These traditional methods are time-consuming, prone to errors, and make it difficult to retrieve or update records efficiently. As a result, there is a need for a computerized system that can automate student record management, improve accuracy, and save time for administrators, teachers, and students.

### **Objectives**

1. To develop a system that stores and manages student records securely.
2. To automate processes such as enrollment, attendance, and grading.
3. To provide an easy way of retrieving and updating student information.
4. To generate reports that can help teachers and administrators make better decisions.

### **Scope of the Project**

The Student Management System will be designed for use in schools and educational institutions. It will cover functions such as:

- Student registration and profile management.
- Attendance tracking.
- Grade and academic performance management.
- Report generation for administrative purposes.

The system will focus on efficiency, accuracy, and user-friendliness. However, it will not include advanced features like online fee payment or parent portals in its initial version.