

# **LAB-2**

## **Project Title: School Management System**

### **Objective:**

To design and implement a digital School Management System for Ambika Secondary School that automates administrative, academic, and financial tasks to improve overall efficiency, reduce manual workload, and enhance communication among students, teachers, and parents.

### **Problem Statement:**

Ambika Secondary School currently manages student records, attendance, examination results, fee payments, and staff data using manual processes or outdated systems. This results in:

- Time-consuming administrative tasks
- Increased chances of human error
- Difficulty in tracking student performance over time
- Lack of real-time data access for students, teachers, and parents
- Inefficiencies in fee management and report generation

### **Scope of the Project:**

The School Management System will cover the following areas within Ambika Secondary School:

#### **1. Student Management**

- Admission records
- Personal and academic profiles
- Class and section assignments

#### **2. Teacher/Staff Management**

- Staff profiles
- Attendance and leave management
- Class schedules and subject assignments

### **3. Attendance System**

- Daily attendance for students and staff
- Report generation (monthly/term-wise)

### **4. Examination & Result Management**

- Exam scheduling
- Marks entry and grade generation
- Report cards and performance tracking

### **5. Fee Management**

- Fee structure setup (class-wise)
- Payment tracking and receipts
- Fine and due management

### **6. Library Management (Optional)**

- Book catalog
- Issue/return tracking
- Student borrowing history

### **7. Communication Module**

- Notifications to parents via SMS/email
- Announcements and circulars

## **8. Reports & Analytics**

- Student progress reports
- Staff performance reports
- Fee collection reports

## **Conclusion:**

The proposed School Management System for Ambika Secondary School will streamline operations by automating routine tasks, improving communication, ensuring data accuracy, and providing actionable insights to school administrators. This system is scalable and can be enhanced in future versions with features like online classes, e-learning content, or mobile app integration.