

## **Project Design Phase-II**

### **Technology Stack (Architecture & Stack)**

Date	31 January 3035
Team ID	LTVIP2026TMIDS78244
Project Name	Educational organisation using servicenow
Maximum Marks	4 Marks

The Educational Organisation Management System is implemented using a combination of enterprise platform tools and web technologies. The primary platform used for development is ServiceNow, which provides integrated capabilities for database management, workflow automation, and application customization.

ServiceNow serves as the core development environment where tables, forms, workflows, and automation scripts are configured. The platform supports low-code development, enabling rapid implementation of institutional processes without extensive programming effort.

HTML is used for designing custom portal components and dashboard elements. CSS enhances visual appearance and improves user interface presentation. JavaScript is utilized in client scripts to implement validation rules and dynamic form behavior.

Flow Designer within ServiceNow enables automation of admission approval processes and administrative workflows. Number Maintenance functionality automatically generates unique identifiers for student records.

The system operates on cloud infrastructure provided by ServiceNow, ensuring scalability, reliability, and remote accessibility. Role-based access control mechanisms enhance system security by restricting unauthorized data access.

The selected technology stack provides flexibility, automation capability, and enterprise-level performance suitable for educational administration environments.