

Solution Architecture

Date	01 November 2025
Team ID	NM2025TMID02606
Project Name	Educational Organisation Using ServiceNow
Maximum Marks	4 Marks

Goals of the Architecture:

- Centralize student, teacher, and administrative data.
- Automate admissions and progress-tracking workflows.
- Provide dashboards and analytics for monitoring.
- Ensure role-based access and data security.

Key Components:

- ServiceNow Tables: Student, Teacher, Admission, Progress.
- Workflows: Automate admissions, result calculations, and notifications.
- Dashboards: Display academic performance analytics.
- Access Control: Role-based user access for Admin, Teacher, Student, and Parent.

Development Phases:

1. Create Student and Teacher tables in ServiceNow.
2. Build Admission and Progress tables with relationships.
3. Implement Client Scripts for auto-calculations.
4. Design Process Flow for admission status.
5. Test automation and record generation.

Solution Architecture Description:

The system architecture integrates all educational processes on the ServiceNow platform. Each workflow automates manual steps — from admissions to result generation — while maintaining data integrity. Dashboards visualize student and teacher data in real time.

Example – Solution Architecture Diagram:

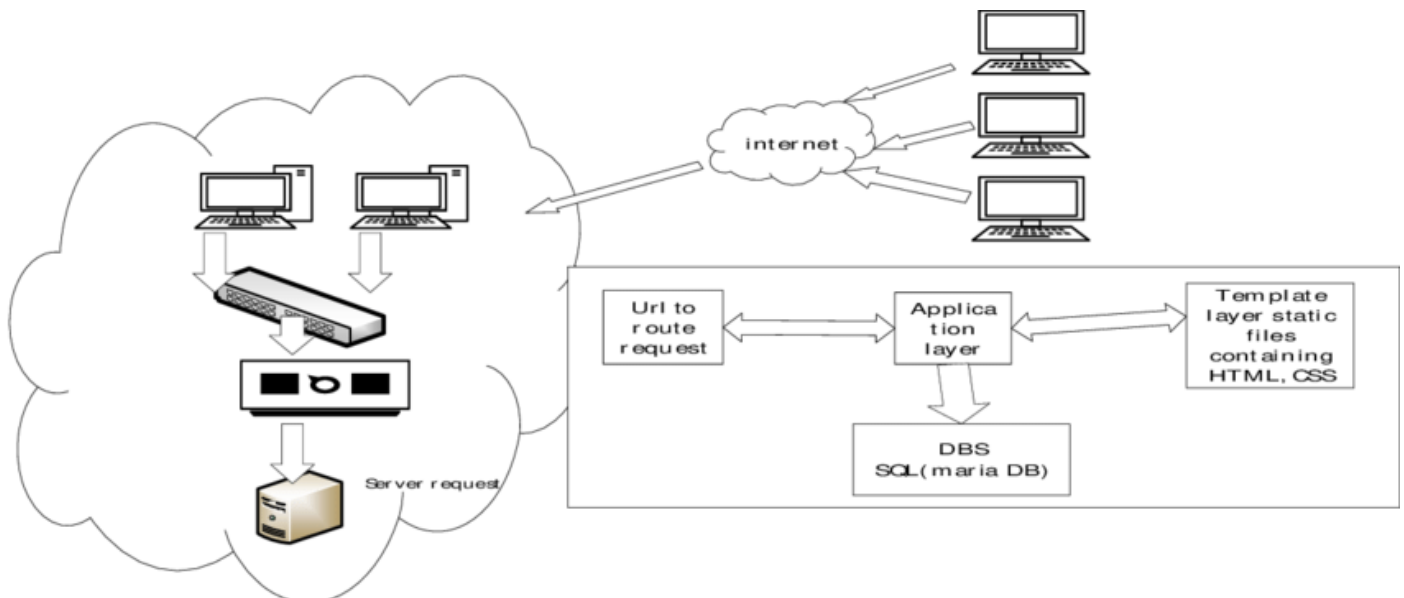


Figure 1: Architecture of Educational Management System using ServiceNow Reference: Student Management System Architecture – ResearchGate