

Requirement Analysis

Technology Stack

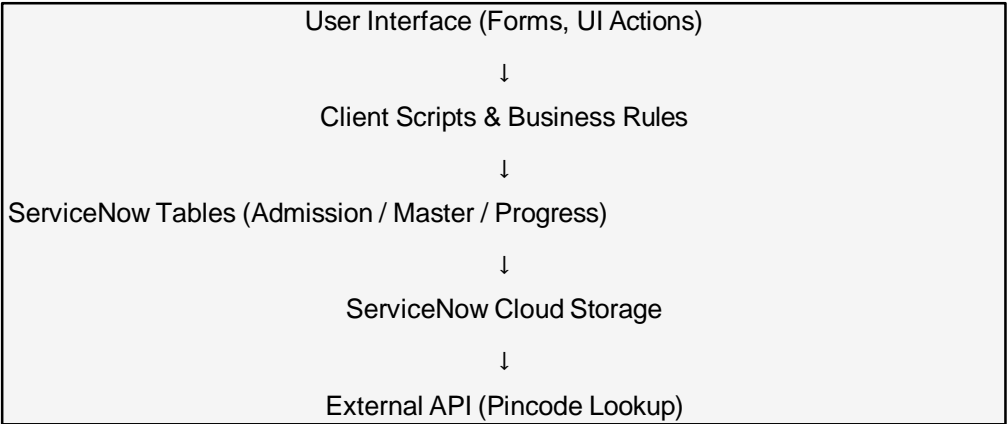
Date	07 November 2025
Team ID	NM2025TMID09069
Project Name	Educational Organisation Using ServiceNow
Maximum Marks	4 Marks

1. Technology Stack Overview

Category	Technology Used
Platform	ServiceNow Cloud Platform
Frontend/UI	ServiceNow Forms, UI Policies, UI Actions
Business Logic	Client Scripts, Business Rules, Script Includes
Database	ServiceNow Tables (Admission, Student Master, Progress)
API Integration	External Pincode API (District/State Autofill)
Hosting	ServiceNow SaaS Cloud

1. Technical Architecture

The following architecture shows UI, logic, data, API, and cloud layers used in the system.



2. Explanation of Architecture

- The user interacts with ServiceNow through forms and UI actions.
- Client Scripts handle validations, automation, and calculations.
- Business Rules ensure backend logic executes reliably.
- All student-related data is stored inside ServiceNow tables.
- ServiceNow Cloud ensures hosting, scalability, and security.
- External Pincode API autofills district and state in the Admission form.