Project Design Phase-II

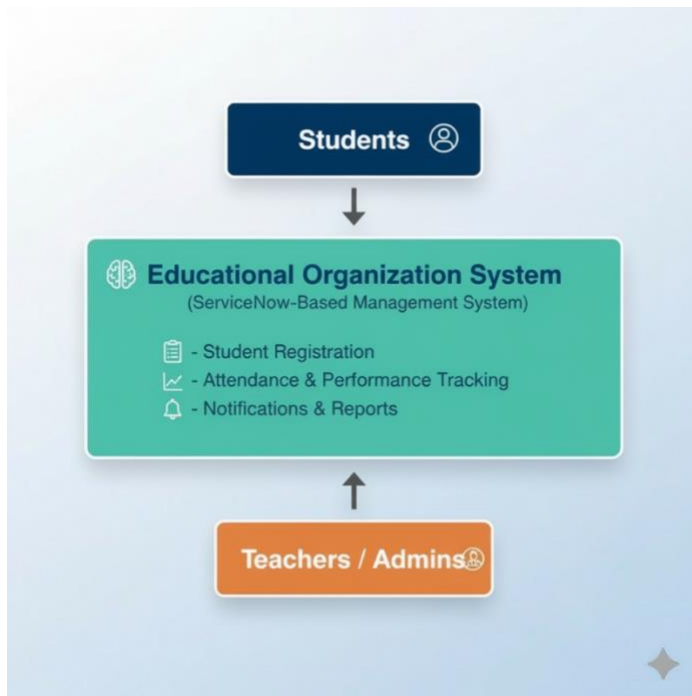# Solution Requirements

Date	02-11-2025
Team ID	NM2025TMID02428
Project name	Educational Organization using ServiceNow
Maximum Marks	4 Marks

Data Flow Diagram:

The Data Flow Diagram (DFD) depicts the movement of information within the system, highlighting data inputs, processing activities, and outputs among various entities such as students, teachers, and administrators.
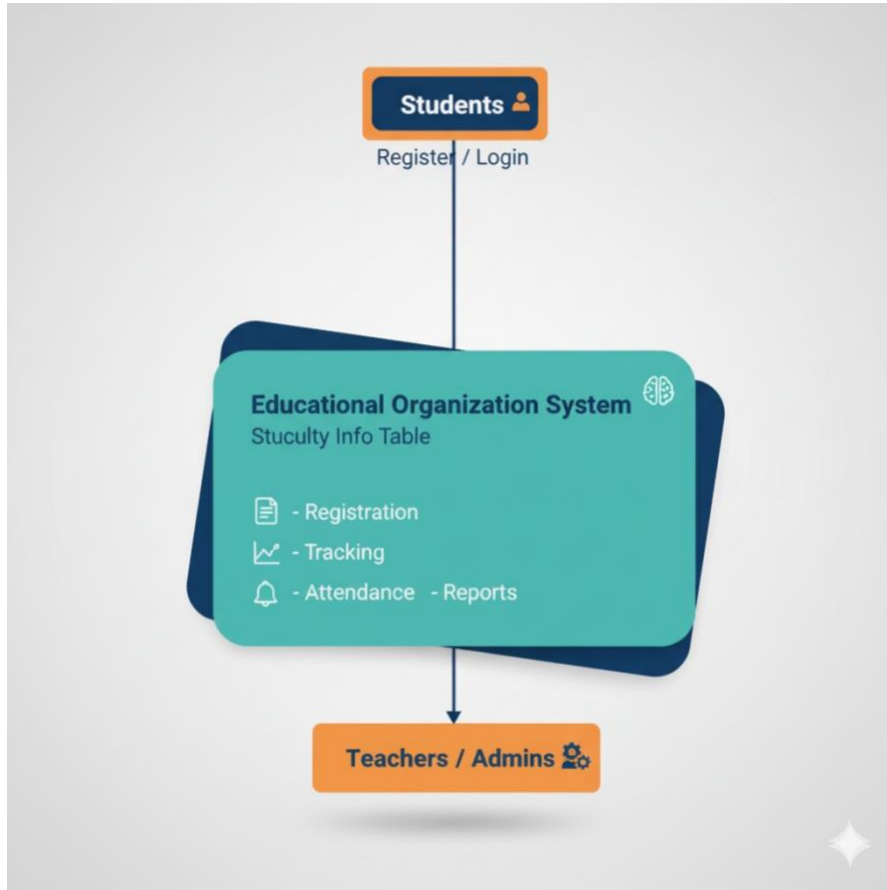
Level 0 DFD (Context Diagram):

Explanation:

Students and teachers engage with the ServiceNow system to enter or access information, which is then processed by the system to generate reports, notifications, and updates for users.

Level 1 DFD (Process Breakdown):

Explanation:

Data is submitted by students to the system for registration and payments, stored in the database, accessed by teachers and administrators for tasks such as attendance and performance tracking, and ultimately sent to the communication module to deliver output notifications.

User Story Table:

User Story ID	As a…	I want to…	So that I can…	Acceptance Criteria
US1	Student	Register through the portal	Easily access academic resources.	The registration form verifies user input and stores the data in the database.
US2	Admin	Approve new student registrations	Maintain verified student records	The admin approval workflow executes and completes successfully.

US3	Teacher	Record and update attendance	Monitor student participation	Attendance records are stored and viewable
US4	Teacher	Upload grades and generate performance reports.	Track academic progress	Reports are generated accurately based on subject and term.
US5	Admin	Send notifications and updates	Inform all users on time	Notifications delivered to correct user groups
US6	Admin	View analytics dashboard	Make informed decisions	The dashboard refreshes in real time with precise and up-to-date data.

Outcome:

- DFDs clearly define the movement of data within the system.
- User stories link functional requirements to actual user objectives.
- Together, they establish a strong foundation for system design and implementation in ServiceNow.