

## Project Design Phase-II

### Data Flow Diagram & User Stories

|               |   |
|---------------|---|
| Date          | 1 NOVEMBER 2025                           |
| Team ID       | NM2025TMID02860                           |
| Project Name  | Educational Organisation Using ServiceNow |
| Maximum Marks | 4 Marks                                   |

#### Data Flow Diagrams

A Data Flow Diagram (DFD) visually represents how information moves through the system. In the project “Educational Organization Using ServiceNow”, the DFD illustrates how data is created, processed, and stored within the platform.

The **Admin** enters student details into the **Student Table**, which automatically updates the **Admission Table** and **Student Progress Table**. The system then processes this information for **Student Progress Entry**, **Result**, and **Grade Generation**, ensuring accurate and real-time updates. Finally, the information is displayed on the **Student Interface**, providing a seamless view of academic progress.

This automated flow reduces manual work, ensures data accuracy, and improves efficiency in managing student and academic records within ServiceNow.

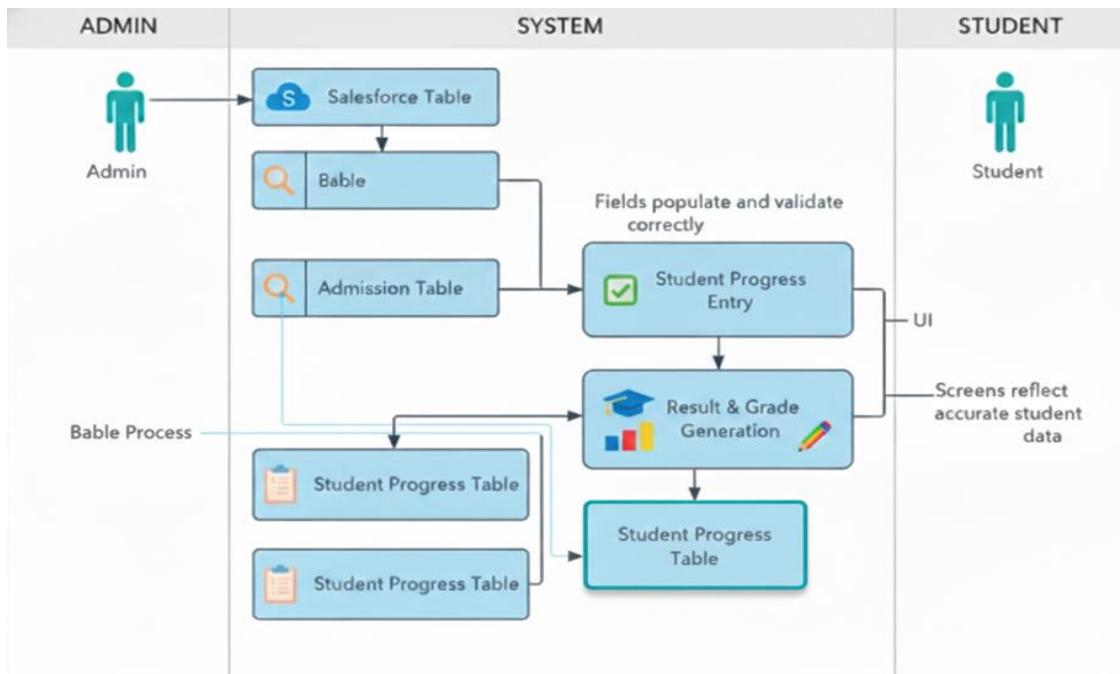


Figure 1. Data Flow Representation of Educational Organization System

## User Stories

User stories describe what each user needs from the system.

In this project, they outline how the Educational Organization System in ServiceNow manages data, automates processes, and ensures accurate student progress tracking.

| User Type     | Functional Requirement | User Story No. | User Story / Task  | Acceptance Criteria                               | Priority | Release  |
|---------------|------------------------|----------------|--|---|----------|----------|
| Administrator | Table Management       | USN-1          | As an admin, I can create and manage <i>Student</i> , <i>Admission</i> , and <i>Progress</i> tables. | Tables are created with correct fields and links. | High     | Sprint-1 |
| System        | Data Flow Automation   | USN-2          | As a system, I auto-update related tables when student data is entered.                              | Data flows correctly without errors.              | High     | Sprint-1 |
| Teacher       | Progress Entry         | USN-3          | As a teacher, I can enter marks and grades for students.   | Marks update correctly in reports.                | Medium   | Sprint-2 |
| System        | Result Generation      | USN-4          | As a system, I calculate totals and generate grades.   | Grades are accurate and visible on UI.            | High     | Sprint-2 |
| Student       | View Results           | USN-5          | As a student, I can view my progress and grades.   | Dashboard shows accurate performance.             | Medium   | Sprint-3 |