

Project Design Phase-II

Data Flow Diagram & User Stories

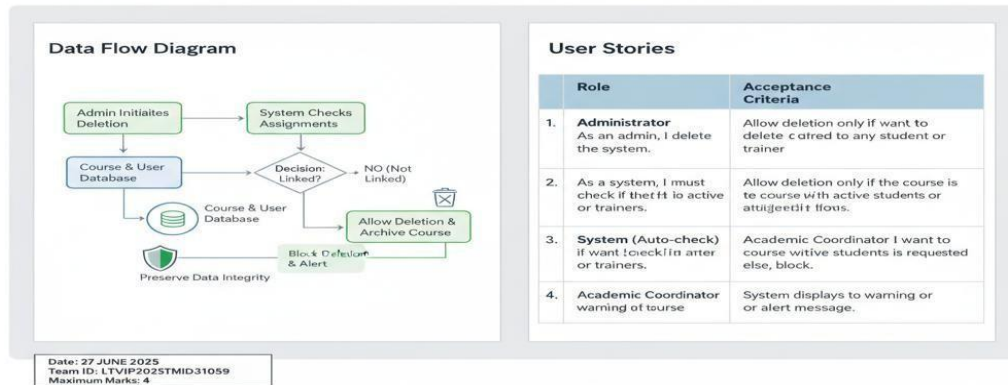
Date	Team ID	Project Name	Maximum Marks
02 NOV 2025	NM2025TMID08585	EDUCATIONAL ORGANISATION USING SERVICE NOW	4

MarksData Flow Diagrams:

- A Data Flow Diagram (DFD) is a visual representation of the information flow within a system. It illustrates how data enters and leaves the system, what transformations occur, and where data is stored.
- In the project "Prevent Course Deletion If Assigned to Active Students or Trainers", the DFD shows how course deletion requests are processed in the educational organization's ServiceNow system.
- When an admin attempts to delete a course, the system checks if the course is currently assigned to any active students or trainers. If such links exist, the system blocks the deletion request to preserve academic data integrity and maintain accurate course records. This ensures that no active course with ongoing student or trainer assignments can be accidentally removed, promoting accountability and reliability in academic management workflows

Project Design Phase-II: Data Flow Diagram & User Stories

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User Stories:

- User stories define what different users need from the system in simple, goal-oriented language. In this project, they ensure that the system blocks course deletion only when necessary — thereby protecting the academic data integrity and course assignment structure.
- **Administrator Course Management USN-1** As an admin, I want to delete a course from the system. The system should allow deletion only if the course is not assigned to any student or trainer.
- **System (Auto-check) Validation before Deletion USN-2** As a system, I must check if the course is linked to any active students or trainers before processing a delete request. Deletion proceeds only if no student or trainer is assigned; else, it should be blocked automatically.
- **Academic Coordinator Alert Notification USN-3** As an academic coordinator, I want to receive an alert if a course with active students or trainers is requested for deletion. The system displays a warning or alert message before deletion, listing the active associations.