Project Design Phase-II

Data Flow Diagram & User Stories
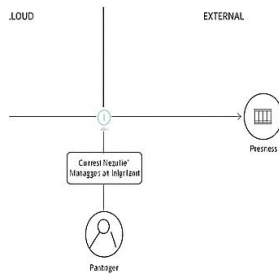
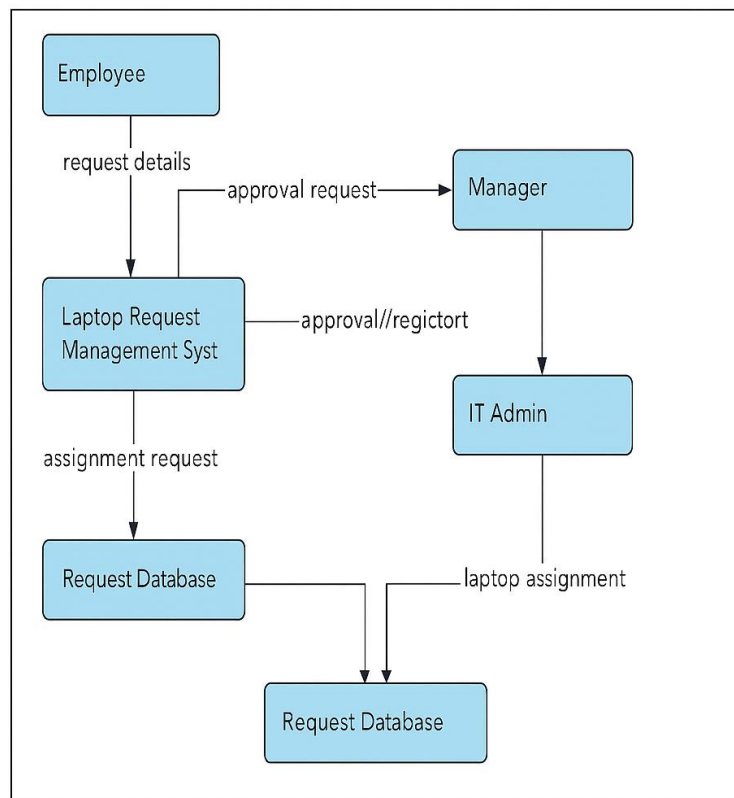| Date	01 Nov 2025
Team ID	NM2025TMID04735
Project Name	Laptop Request Catalog Item
Maximum Marks	4 Marks

Data Flow Diagrams:

A **Data Flow Diagram (DFD)** is a traditional visual representation of how data moves within a system. It helps in understanding the flow of information, data processing, and data storage in a structured way. A neat and clear DFD represents how users interact with the system and how the system processes their requests.

In the project **"Laptop Request Catalog Item"**, the Data Flow Diagram (DFD) illustrates how laptop requests are created, approved, and fulfilled within the system. The DFD shows the interactions between the employee (requester), manager, IT admin, and the ServiceNow system.

Example:

ellow and fills the Laptop Request

request and routes it to the manager.

checks laptop stock from the inventory.

laptop to the employee and updates

yee about approval and laptop details.

Diagram labels:
- Employee
- request details
- approval request → Manager
- Laptop Request Management Syst
- approval//regictort
- IT Admin
- assignment request
- Request Database
- laptop assignment
- Request Database

User Stories:

User stories describe the goals and expectations of different users interacting with the system in simple, goal-focused language. In this project, they help ensure that the **Laptop Request Catalog Item** effectively manages laptop requests, approvals, and allocations through an automated workflow.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Sprint
Employee	Laptop Request Submission	LRS-1	As an employee, I want to submit a laptop request easily through the catalog form.	The system should allow employees to fill and submit laptop requests.	High	Sprint-1
Manager	Request Approval Workflow	LRS-2	As a manager, I want to approve or reject laptop requests from my team.	The system should update request status after manager approval/rejection.	High	Sprint-1
IT Admin	Laptop Assignment	LRS-3	As an IT admin, I want to assign laptops from the inventory to approved requests.	The system should check stock and update the record once assigned.	High	Sprint-2
System	Notification Management	LRS-4	As a system, I want to send automatic notifications for each request stage.	Notifications should trigger after submission, approval, and assignment.	Medium	Sprint-2