# Project Design Phase-II

## Data Flow Diagram & User Stories

Date: 21 June 2025

Team ID: LTVIP2025TMID29198

Project Name: EduTutor AI: Personalized Learning with Generative AI and LMS Integration

Maximum Marks: 4 Marks

## Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Level 0 DFD: EduTutor AI

User → EduTutor AI Platform → Generative AI Module → Quiz/Learning Generator → Data Storage → Results & Feedback

Level 1 DFD (Simplified Steps):

1. Student registers/logs in  
2. Enters a topic  
3. AI generates learning module  
4. Student views/reads it  
5. AI generates quiz  
6. Student takes quiz  
7. System evaluates and stores results

## User Stories

Use the below template to list all the user stories for the product.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
| Student | Registration/Login | USN-1 | As a student, I can register using email and password | Account dashboard is accessible after registration | High | Sprint-1 |
| Student | Learning Module | USN-2 | As a student, I can enter a topic and receive a learning module | AI-generated content is shown | High | Sprint-1 |
| Student | Quiz | USN-3 | As a student, I can take quizzes and view scores | Quiz is auto-evaluated and scored | High | Sprint-2 |
| Student | Library | USN-4 | As a student, I can save modules to my personal library | Saved modules are retrievable later | Medium | Sprint-2 |
| Educator | Dashboard Analytics | USN-5 | As an educator, I can view student performance analytics | Performance charts and quiz history visible | Medium | Sprint-2 |
| Admin | User Management | USN-6 | As an admin, I can manage user accounts and roles | Can add/remove users or assign roles | Low | Sprint-3 |