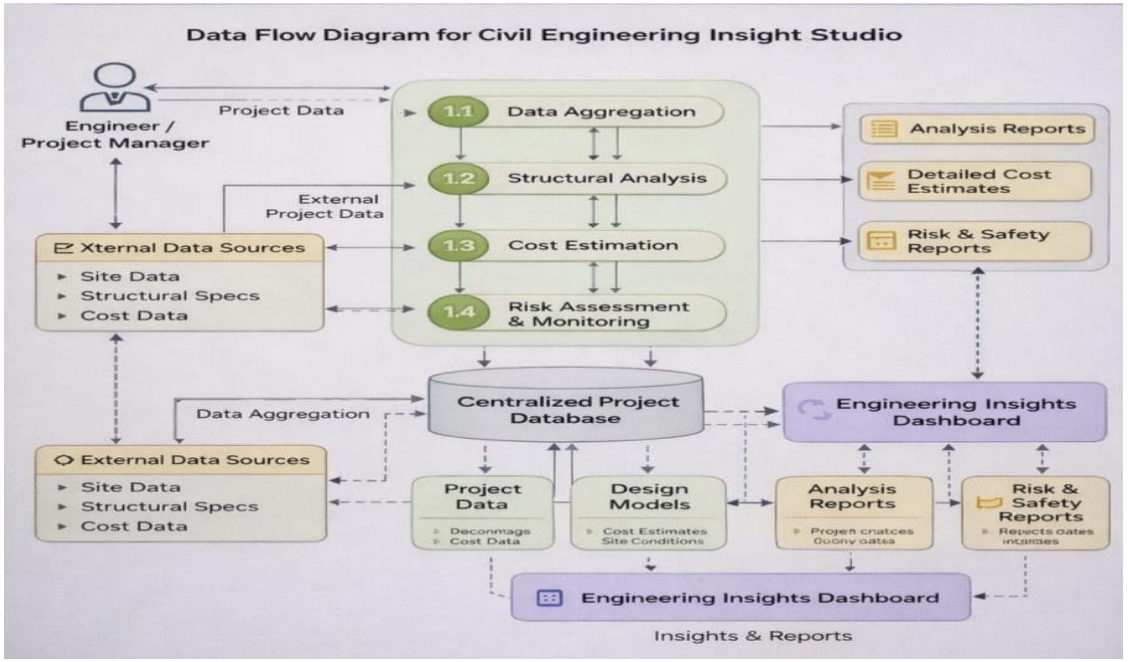
Project Design Phase-II
Data Flow Diagram & User Stories

Date	04 February 2026
Team ID	LTVIP2026TMIDS66241
Project Name	Civil Engineering Inisght studio
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.



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/Engineer	User Interface Setup	USN-1	As a user, I can access a Streamlit-based interface to enter a project details.	I can access my dashboard	High	Sprint-1
Administrator	Input Validation	USN-2	As a user, I want the application to validate my inputs.	I can validate the inputs	High	Sprint-1
System	AI Model Integration	USN-3	As a user, I want the system to calculate load stress, and material estiamtion using integrated engineering.	I can calculate model	High	Sprint-2
Administrator	Material Estimation & Cost Analysis	USN-4	As a user, I want to generate a cost estimation reports for construction projects.	I can generate a reports for user interaction	Medium	Sprint-2
Student/Engineer	Output Display	USN-5	As a user, I want to view graphs and charts representing structural strength, cost and project progress.	I can see the output of graph generated	High	Sprint-3
Deployment Team	Deployment	USN-6	As a user, I want the application to be deployed and accessible through the internet.	I can deploy in the system	Medium	Sprint-3