Project Design Phase-II
Data Flow Diagram & User Stories

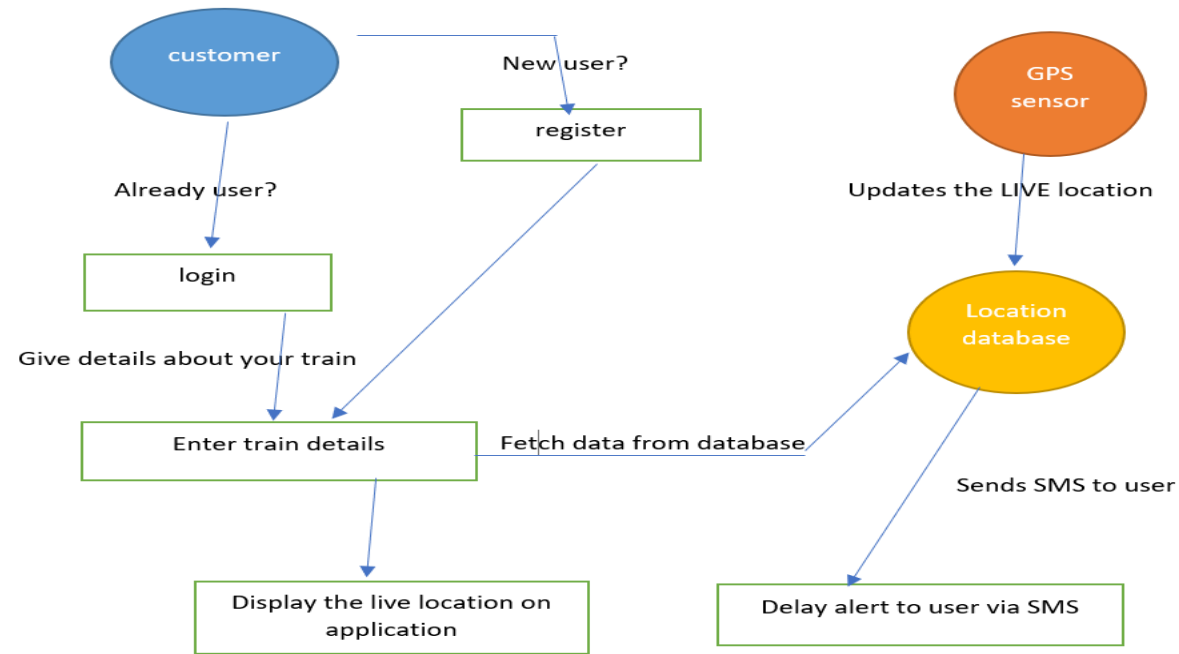| Date	15 October 2022
Team ID	PNT2022TMID39421
Project Name	Smart solutions for railways using IOT
Maximum Marks	4 Marks

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.

Example: FLOW: -[LEVEL-0]
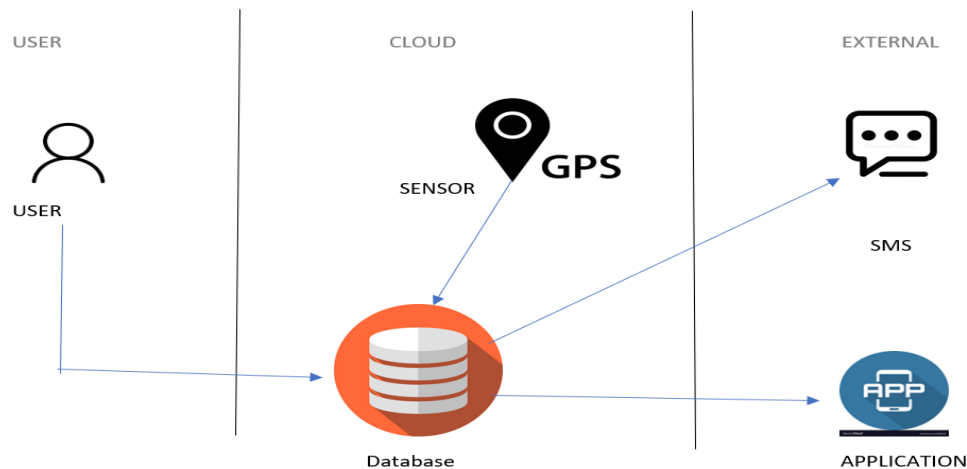
DATAFLOW DIAGRAM: - [LEVEL-1]

customer

New user?

GPS sensor

register

Already user?

Updates the LIVE location

login

Location database

Give details about your train

Enter train details

Fetch data from database

Sends SMS to user

Display the live location on application

Delay alert to user via SMS

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
Customer (Mobile user)	User Registration	USER-1	As a passenger I can book tickets through both online and offline mode.	I can access my account using my given ticket ID	High	Sprint-0
Customer (Mobile user)	User confirmation	USER-2	As a Passenger, I will receive confirmation email or OTP once I have registered for the application.	I can receive confirmation email & click confirm	High	Sprint-1
Customer (Mobile user)	Transaction process	USER-3	For transaction, I can use credit cards, net banking and cash.	I can receive the invoice receipt	Low	Sprint-2
Customer (Mobile user)	Business rules	USER-4	As a passenger, I can get an SMS when the train gets delay.	I can receive SMS when train gets delay	High	Sprint-1
Customer (Web user)	User Registration	USER-1	As a passenger I can book tickets through both online modes.	Can easily book train tickets whenever we want	High	Sprint-0
Customer (Web user)	Authentication	USER-2	Passenger details are encrypted so there is low chance to get hacked.	The personal detail will not leak	High	Sprint-1
Customer (Web user)	Accomplishment	USER-3	Features are so simple and effective.	Can support nearly 1000 users at a time	Low	Sprint-2
Customer Care Executive	Reporting	USER-1	Reporting data contribute to enhanced transparency to extent work regarding safety	Dealing with customer, and helping them to clear their queries.	Low	Sprint-0
Customer Care Executive	Problem solving skill	USER-2	Interacting with customers to ensure they have a desirable experience and customer satisfaction.	Handling customer with their complaints	High	Sprint-1
Administrator	Chief executive	USER-1	Create user or organization and provide access to user to login to IOT platform with user management administrator console	Responsible for all damage and maintains the entire system	High	Sprint-0