

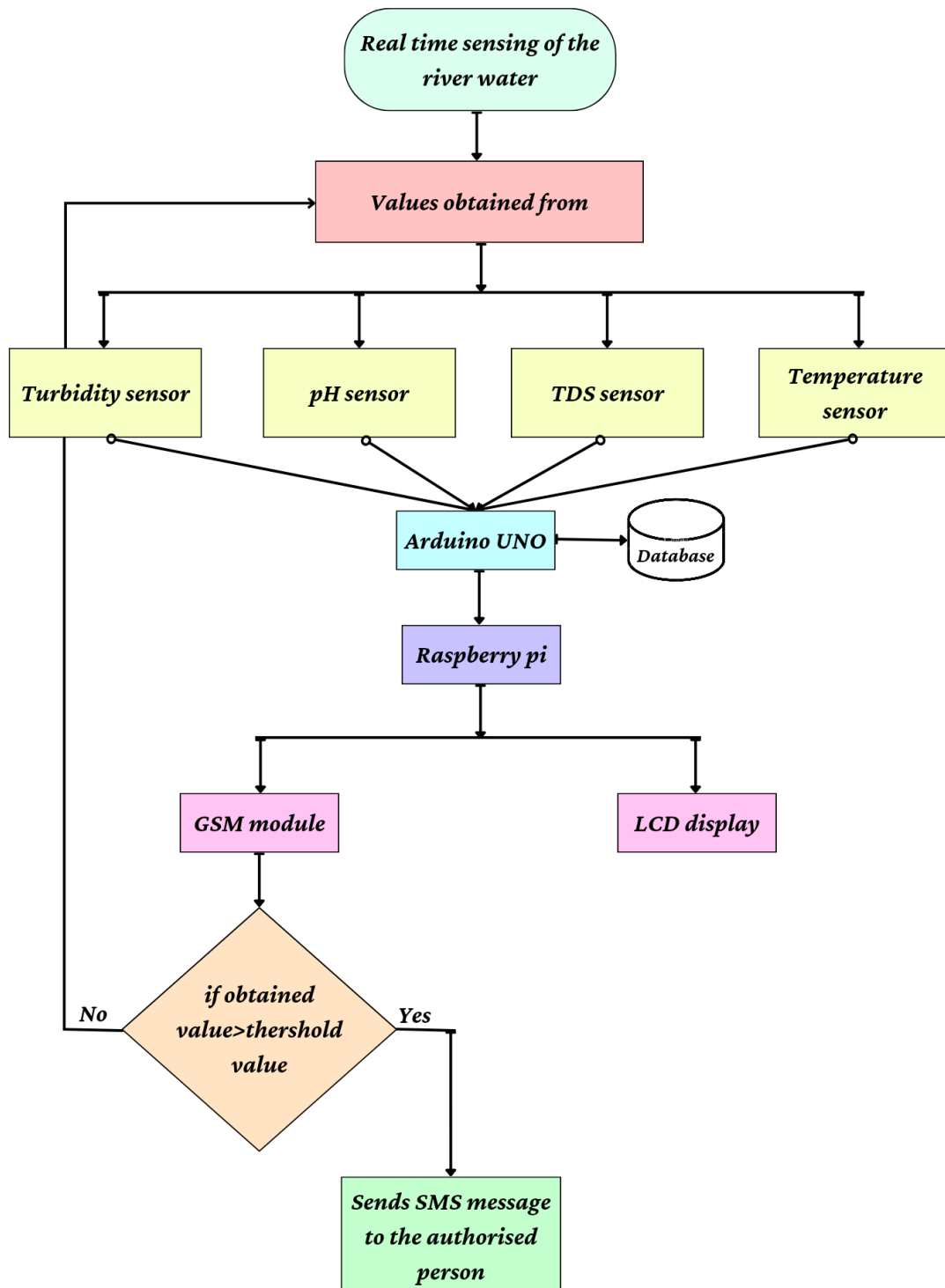
Project Design Phase-II

Data Flow Diagram & User Stories

Real-Time River Water Quality Monitoring and Control System

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 Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Google	I can register & access the dashboard with Google Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can receive login credentials	High	Sprint-1
Customer (Web user)	Dashboard	WU-1	As a web user, I can access the information of pH levels, turbidity, temperature and TDS	I can know how quality the water is	High	Sprint-1
Customer Care Executive	All specifications	CCE-1	As a customer care executive, I can able to know the quality of water in every aspect	I can easily know whether the water is safe or not	High	Sprint-1
Administrator	Maintenance	ADMIN	As a administrator should organize the whole process in a perfect manner	I can easily maintain the system	High	Sprint-1