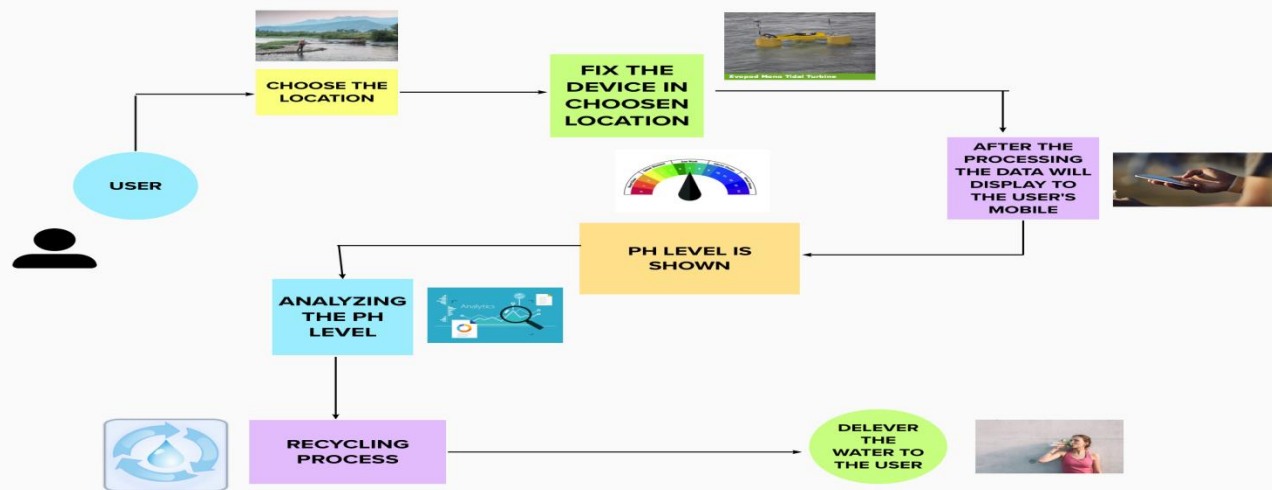


DATA FLOW DIAGRAMS & USER STORIES

Project Design Phase-II

Date	15 October 2022
Team ID	PNT2022TMID49552
Project Name	Real Time River water Quality Monitoring and Control System.
Maximum Marks	4 Marks

Data Flow Diagram:



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 (River side People)	They wish only to drink the pure river water.	USN-1	To maintain the river water to be always clean.	The pH value of the river water is always known.	High	Sprint-1
Customer(Farmers)	The good pH level of water is needed for Farmers.	USN-2	The Farmer who raises crops for preparing land for planting and harvesting.	The Soil moisture in the root is a good criterion for scheduling irrigation.	High	Sprint-1
Customer(Manufacturer)	The Manufacturer always wants the non-chemical river water.	USN-3	12% of water is needed for manufacturing business like paint and coating.	They will analyse the solutions for the problems.	High	Sprint-1
Customer(Government agencies)	The agent wants to be the river water always clean.	USN-4	Government form NSS camp in each schools and colleges for monthly once to clean the river water.	By comparing previous condition of water, there are more changes in the river water.	Medium	Sprint-2
Customer(Environmentalism)	To know the water pollution	USN-5	The Environmentalism can collect various data from the device.	The sensor can collect the real time data.	High	Sprint-1