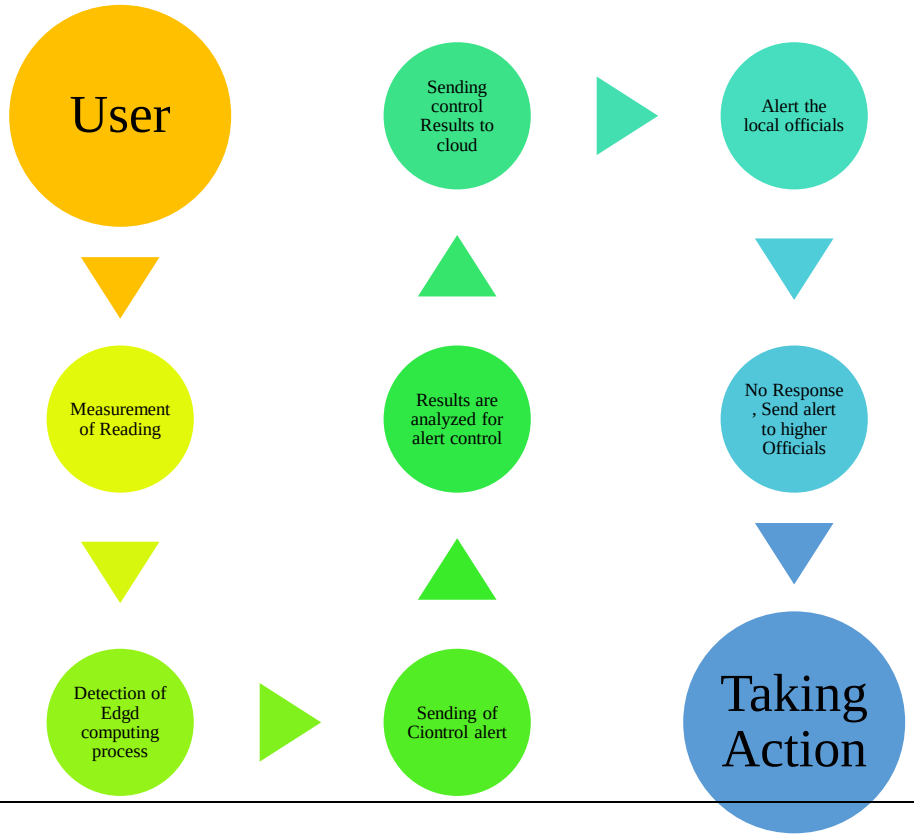
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID21316
Project Name	Project – Rain water quality monitoring system
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.

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
Sensor & Control System	Detection of temperature, pH, Salinity, BOD, COD	USN-1	Detects the control signals and sends to the edge computing device	Saves the measured value	High	Sprint-1
	Calculation	USN-2	Edge Computing calculations are processed	Process only valid information	High	Sprint-1
	Store of results	USN-3	Connecting Cloud IBM	Process of Results	Low	Sprint-2
	Connecting Cloud	USN-4	Generating Cloud computation of the original data	Calculate the results and process from cloud to edge	Medium	Sprint-2
	Alert the end user	USN-5	Alert the End User using alarm and notifications	Alert notifications	High	Sprint-2
Mobile Application	Transport of data	USN-2	Transport of Data from Edge to Cloud , cloud to Edge , or Cloud to Mobile Drive	Transport of data	High	Sprint-3
	Alert messages	USN-2	Alert the end user	Notify the end user	High	Sprint-4
	Statistics	USN-4	Generation of River Statistics in Particular region	Result analysis	Low	Sprint-4
Administrator	Alert messages	USN-5	Alert the results of the end-target	Alarm system	High	Sprint-3
	Statistics	USN-5	Know the current status of every river body	Cloud fetch of data	High	Sprint-2
	Summary Statistics	USN-5	Provide a detailed summary of the results	Statistical Current data	Medium	Sprint-4