<p style="text-align:center">**Project Design Phase-II**</p>

<p style="text-align:center">**Data Flow Diagram & User Stories**</p>

Date	20-10-2022
Team ID	PNT2022TMID34532
Project Name	Real-Time River Water Quality Monitoring and Control System
Marks	

Data Flow Diagrams:

Our Data Flow Diagram shows the entire process from the entry of the application to the exit which is controlled by the User. Here, after the user login the app moves on to the profile section where the user can see the materials to be selected then the measurement what he need to acquire is to be chosen. Final output can be shown in the separate page.

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DFD Chart:
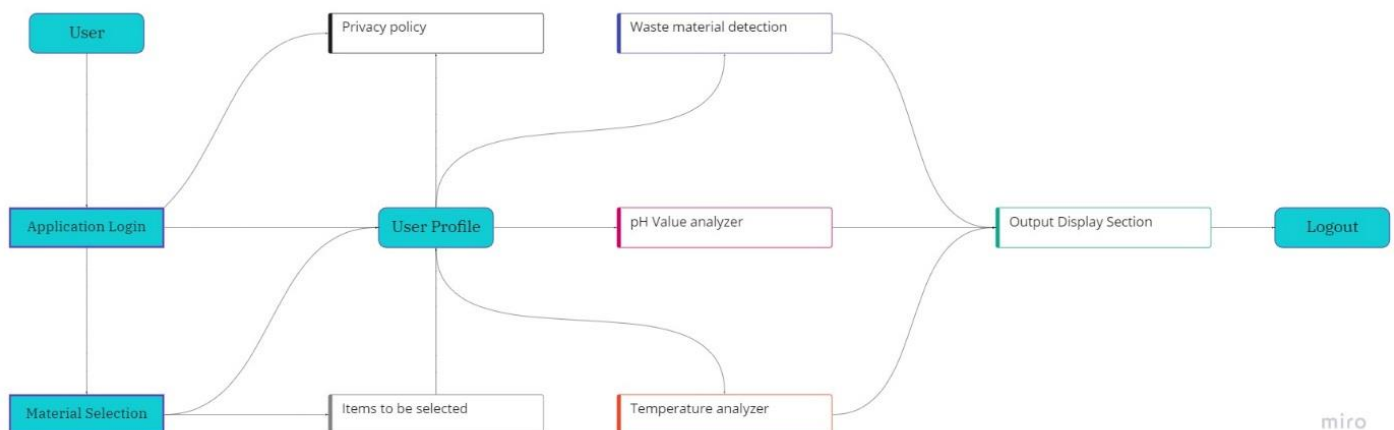
User Stories:

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 Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	Verification mail shared to respected email id	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	Successful login if credentials approved	High	Sprint-1
	Dashboard	USN-1	Relevant data's	As a user , he can access only limited set of data's	Medium	Sprint -1
Customer (Web user)	Registration	USN-1	As a user, I can sign up with email and respective details	Verification mail shared to respected email id	Medium	Sprint-1
	Login	USN-2	Forget password	OTP will be shared to the registered email id or phone number	High	Sprint- 1
Student	Registration	USN-1	New sign up with school / college details	Email send to school / college id for further verification	High	Sprint -1
	Login	USN-2	After verification	User can access with own email id	Medium	Sprint -1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	Registration	USN-1	Data collection and saving	The app has automatic saving capability	High	Sprint- 1