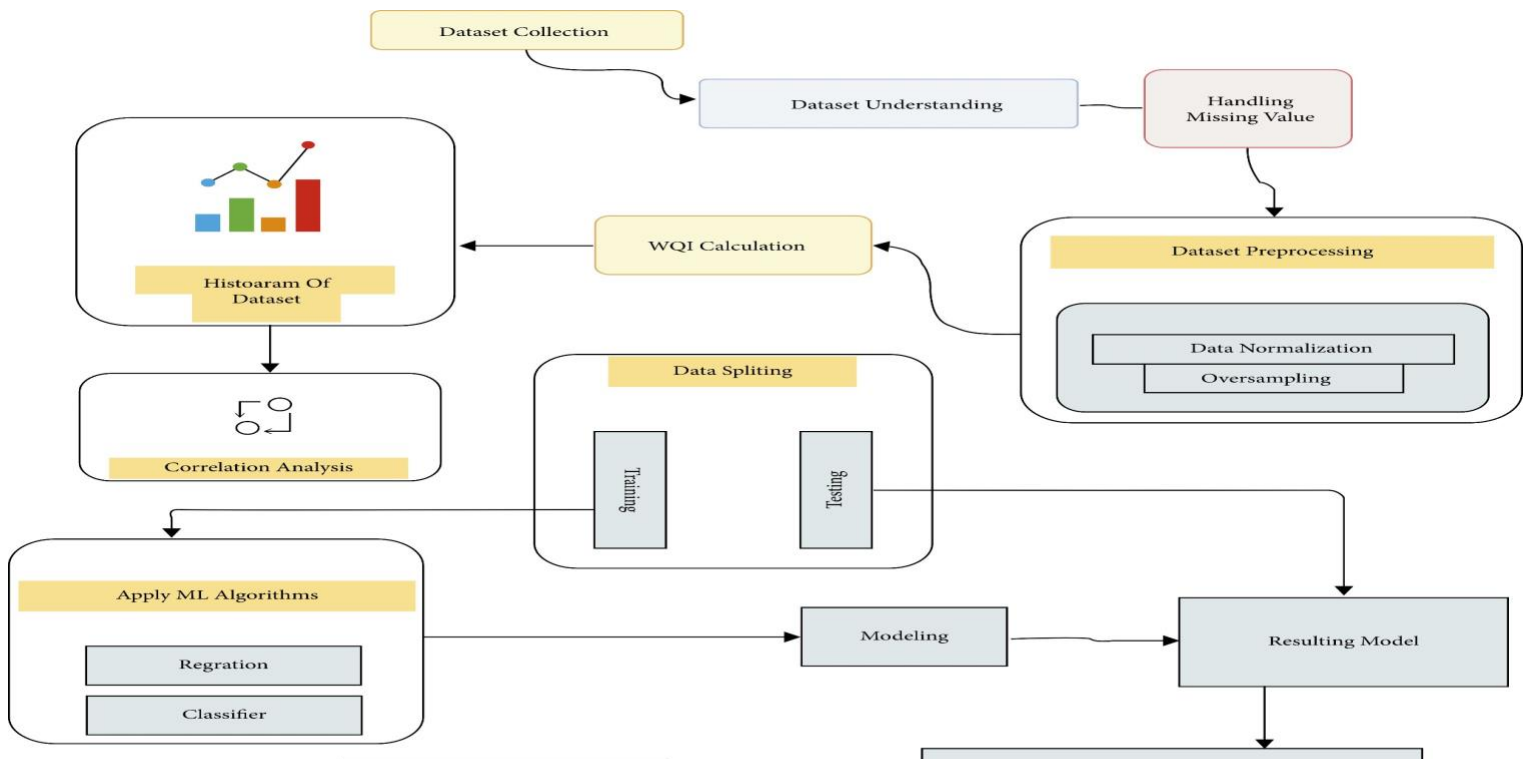| Date	30 October2023
TeamID	NM2023TMID06830
ProjectName	Project-Aquatic Insights: Cognos -Powered Water Portability
MaximumMarks	4Marks

DataFlowDiagrams:

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 rightamount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data isstored.

Example:(Simplified)

User Stories
Use the below template to list all the user stories for the product.

UserType	Functional Requirement(Epic)	UserStoryNu mber	UserStory/Task	Acceptance criteria	Priority	Release
Water mana geme nt profes sional	Data integration and collection	USN-1	As a water quality analyst, I want the system to seamlessly integrate data from various sources like sensors, IoT devices, databases, and APIs so that I can have a comprehensive view of water quality parameters.	Data integration occurs in real-time with a maximum delay of 1 minute.	High	Sprint-1
Data analyst	Real-time monitoring	USN-2	As a water treatment plant operator, I want to receive immediate notifications when there are critical deviations in water quality parameters, so that I can take prompt corrective actions.	The system continuous ly monitors water quality parameters in real-time.	High	Sprint-1

Field techician	**Historical data analysis**	**USN-3**	**As a regulatory compliance officer, I want to access and analyze historical water quality data to identify trends and patterns for compliance reporting.**	**Users can export historical data reports in PDF format.**	**High**	**Sprint-2**
Complian ce officer	**Data visualization and reporting**	**USN-4**	**As a water resource manager, I want to create custom dashboards using Cognos tools to visualize key water quality metrics for decision-maki ng.**	**The system should provide a dashboard creation interface with drag-and-dro p functionality.**	**High**	**Sprint-1**

Administrator	Alerts and notifications	USN-5	As an environmental agency representative, I want to receive automated alerts when water quality falls below acceptable levels, so that I can initiate regulatory actions.	Users should have the option to set up alerts based on specific water quality thresholds or conditions.	Medium	Sprint-1