## PROJECT NAME: REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM

## **TEAM ID: PNT2022TMID20975**

Testing and Experimenting with various water sources	PREREQUISTE This is a textbox	PROJECT FLOW  What do people experience as they begin the process?	WORKING In the core moments in the process, what happens?	BENEFITS What do people typically experience as the process finishes?	OUTCOME What happens after the experience is over?
Steps What does the person (or group) typically experience?	Approach  Availability of internet of Things and Remote Sensing  Resources	Incation  If to necessary to observe the wester country to observe the wester quality in a larger area such as taken/liver and analyzing data from the expectation.	MAIN IMPLEMENTATION  An ended egistication will be used to determine the service values and examined view to the provided to used.  The values are then compared with the threshold value	It can drop off the contaminants present in water in water water resourses	The related authorities can take measures to boost the water quality which makes it more usated by human purpose mobility, and low powered.
What interactions  What interactions do they have at each step along the way?  People: Who do they see or talk to?  Places: Where are they?  Things: What digital touchpoints or physical objects would they use?	Real-time data access can be done by using remote monitoring and internet of Things(of) technology.  Can be displayed in visual format on a internet of Things(of) server PC	To check water quality by analyzing the parameters put as supervising, congregate and analyzing data from the remote locations	if the acquired value is above the Messaging alert will be sent to the user	Using the lof integrated Big Data Analytics will immersely help people to become conscious against using contaminated water.	It can be extended into an efficient water management system of a local area.
Goals & motivations At each step, what is a person's primary goal or motivation? ("Help me" or "Help me avoid")	Customer requires It is used to measuring the system consist of physical and chemical parameters of the several Sensors water.	The aim is to develop a system for continuous monitoring of river water quality at remote places using wireless sensor networks	The data will be Using the sensed stored in the cloud or parameters, the local storage will be customer predicts implemented the water quality	The customer By the sensors, water requires a low cost contaminants must be detected.	The issue is that the traditional method, such as workers, need to go to each tank or river to collect data
Positive moments  What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?	The project has successfully achieved its objective where water quality datajehl and temperature) can be monitored	Implementation by a reconfigurable smart sensor interface device for water quality monitoring system in IoT environment.	It proposed the system collects parameters of water pH, turbidity on the surface of the water	It will immensely help customer to become conscious against using contaminated waste as well as to stop polluting the water.	It was satisfied by low-cost water quality monitoring systems has been developed for large area of coverage.
Wegative moments What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?	Customer felt that the sensors are installed very deep inside the water and their positions are fixed.	The sensors which work on power source may often required to be replaced in case of malfunctioning.	Mounted Sensors may get damage during natural disasters and often by aquatic animals.	The maintaining cost is also very high.	To test other Parameters, the new sensors can be included.
Areas of opportunity How might we make each step better? What Ideas do we have? What have others suggested?	The design of a real time, and low cost water quality monitoring system.	Track whether protection and restoration measures are working.	Customer can analyse data continually and instantly alert users to changes in the systems. It reduces the need for unreliable and expensive sampling.	No need to compromise the water quality by the presence of infectious agents, toxic chemicals, and radiological hazards.	The system has wide applications and it is usable and affordable.