

Brainstorm solo

Have each participant begin in the "solo brainstorm space" by silently brainstorming ideas and placing them into the template. This "silent-storming" avoids group-think and creates an inclusive environment for introverts and extroverts alike. Set a time limit. Encourage people to go for quantity.

🕒 10 minutes

CONTENT

Water quality monitoring system	Large aquatic area using wireless sensor	Real time water quality and usage monitoring
Smart water quality monitoring	IOT Based water monitoring	River water quality monitoring system
Water standard control	River flow monitoring	Salt water measuring in ocean

MERTIS

Ease and convenience of usage	Protect state water for daily usage	Help for researchers predict
Easy to maintain quality data in cloud	Large number samples are easy to collect	Prevent Legionella with IOT flow monitoring
Monitor healthy water supply with an IOT	Detect and fix wasteful leaks with flow monitoring	Deep sea water cures health problem

DEMERTIS

Large Distributed Water Networks	Decentralized Water Quality Data	Device Reliability and Accuracy
Autonomous Heavy Metal Detection	Excessive Chemical Treatment	Critical Considerations When Developing a Water Monitoring Strategy
Autonomous and Remote Capability	less capacity challenges exist	Technical equipment and process

TECHNOLOGY

Wireless technology	ZigBee setup sensor	Turbidity, Temperature sensor
Flow sensor, pH sensor	IOT	Raspberry Pi3 Model B
UV-VIS TROPOS methodology	Ardurino and WI-FI module	Wireless Sensor Network (WSN)