Real Time River Water Quality Monitoring And Control System

PNT2022TMID10699 PREREQUISTE PROJECT FLOW BENIFITS OUTCOME WORKING As you add steps to the How does someone What happens after the What do people In the core moment initially become aware experience as the begin the process typically experience as the process finishes "Five Es" the left or right depending on the scenario you are documenting. in the process, what experience is over? Steps For an small water containment or storage people can handle different methods. But for a large wate The hazardous nature of Our goal can be achieved by A bot interaction system created between HIGH FREQUENCY AND MOBILITY What does the person (or group) reservoirs such as lake river and so on it is a water IBM cloud and iot platform is constructed to GAURENTEED BY THIS SYSTEM analyzing and computing of real reservoirs such as lake river and 30 on 15 is a resource used by many and is a huge amount for typically experience? water containing €∫. created an data organization, this is CAN IMPROVE THE WATER QUALITY time data to implement the unconditional physical and inculcated in an android app which is WHICH CAN BE USED FOR there are other methods a dynamic and efficient measures to be taken to purify the developed for the customers to view the chemical aspects are taken quality control cannot be gaurenteed. The specality DRINKING PURPOSE.AUTHORITIES River water. For this IOT and WSN of this system is we use todays trending tech sensor inferences via mobile. A effective care of and assures perfectly LINKED TO THIS PRODUCT CAN solutions as of IOT and real time remote play a vital role to group things. message system developed that provide makes it efficient for water quality TAKE MEASURES IF CONTACTED. notifications and warnings purified river water resource. monitoring and control. To access the data collected by the system we Survey Details An efficient water If the safety level of just need to use internet of things and time the knowledge through DBMS So the product is basically a What interactions do they have at continuous monitoring unit. This can be management system can be water exceeds base gives people consiousness of provided by the WSN which relates the the each step along the way? smart technology for river developed as said before remote sensing technology handled for data contaminated water and to stop Existing systems collection. We can have a visual format on scale an fast sms is quality monitoring such a way there are innovative chances pollution of it further more, also desktop using IBM cloud streaming analysis Polluted percentage designed to analyse the sent by the agent as an through machine-learning in involves them in teachings. given with the platform in the need for the project Python, Convolutional neural networks is used pH, temperature and turbidity system design. alert. incomparison of values. of water Goals & motivations the core point is to create a Low cost is the first priority from SINCE WATER CONSISTS OF MORE there are two options of Manual practices consumes time At each step, what is a person's all users that is satisfied and yet THAN SEVERAL ISSUES , TO MEET time continuous system that primary goal or motivation? ("Help me..." or "Help me avoid...") and energy and are unreliable due storage in this system we can WITH THE CONSTRAINTS MORE another constraint making our can monitor the quality of to change in readings either use cloud storage or NUMBER OF SENSORS ANALYSING customers happy is that it is a occationally. which is solved by this water using WSN and zigbee AND COMPUTING RESULTS BASED external memory that can be high performance gain sytem in system providing energy and time for alow power cost efficient ON CONDITION OF WATER IS locally used to gain sensed low cost. saving and high accuracy. **DEMANDED BY THE CUSTOMER** system. parameters. **Advantages** Water qualitites analysed through As per design we used an The different sensor nodes each lot makes integration of all the What steps does a typical person find enjoyable, productive, fun, the interfacing of multiple sensor the pH and temperature sensors low power consuming high componets as analythical conneted via WSN are dynamically nodes using WSN architecture is motivating, delightful, or exciting? are computed and are stored in inferanacing block, DBMS and iot end power source that can involving in river water physical and critically implimented in the DBMS for the device for innovation.inturn giving create long durability and chemical parameter analysis and controller using IOT platform. Which turbidity,pH,temperature factors of people to learn, acknowledge and extra life. Which creates collection of values which is river water to be controled using itself make an dynamic powerful develope the product system. efficient and quick flexible system at low cost. IOT device. system to use. Disadvantages On one hand customer had The disadvantage is Animal water What steps does a typical person find frustrating, confusing, angering, Since a complex battery for low disbelif in the product. Also crossing, accidental human (-T-) maintainance such as costly, or time-consuming? power unit is used the methods are thought may malfunction interpretations and other sensors too can dysfunctional battery not abundant and also the due to placement of the calamitites can affect the resources for maintainace. Hence be included. power source needs to maintainance may cost some mounted WSN to be system deep in the water. be periodically replaced. people money. damaged The water quality is to be large variety of Required Areas Now with this system These types are products highly 24/7 customer is open to the How might we make each step maintained.so the important factor applications and better? What ideas do we have everyone can demand required in feilds of a portable is monitoring.this has to be sensing parameter and data What have others suggested? innovative ideas can be imminent as from the values and real time water quality streams which enables them a fresh river water inferred that water can support monitoring system. Also in derived from this to have a reliable system resourse instead of living standards and see whether prototype remote and automatic providing instantaneous alert technology system is functional. dringing polluted water. system in low cast manufacture. for changes in the system.

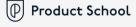


Customer experience journey map

Browsing, booking, attending, and rating a

local city tour

Use this framework to better understand customer needs, motivations, and obstacles by illustrating a key scenario or process from start to finish. When possible, use this map to document and summarize interviews and observations with real people rather than relying on your hunches or assumptions.



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