Real Time River Water Quality Monitoring And Control System

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			PREREQUISTE	PROJECT FLOW	WORKING	BENIFITS	OUTCOME
			How does someone	What do people	In the core moments	What do people	What happens after the As you add steps to the experience, move each these
			initially become aware of this process?	experience as they	in the process, what	typically experience	experience is over? "Five Es" the left or right depending on the scenario
			or triis process:	begin the process?	nappens:	as the process finishes?	you are documenting.
		Stons					
		Steps What does the person (or group)	Our goal can be achieved by	For an small water containment or storage people can handle different methods. But for a large water	A bot interaction system created between	The hazardous nature of	HIGH FREQUENCY AND MOBILITY
		typically experience?	analyzing and computing of real	reservoirs such as lake river and so on it is a water resource used by many and is a huge amount for	IBM cloud and iot platform is constructed to created an data organization. this is	water containing	GAURENTEED BY THIS SYSTEM
			time data to implement the	that this kind of system is imminent. Eventhough there are other methods a dynamic and efficient	inculcated in an android app which is	unconditional physical and	CAN IMPROVE THE WATER QUALITY WHICH CAN BE USED FOR
			measures to be taken to purify the River water. For this IOT and WSN	quality control cannot be gaurenteed. The specality	developed for the customers to view the	chemical aspects are taken	DRINKING PURPOSE.AUTHORITIES
Customer			play a vital role to group things.	of this system is we use todays trending tech solutions as of IOT and real time remote	sensor inferences via mobile.A effective message system developed that provide	care of and assures perfectly	LINKED TO THIS PRODUCT CAN
CUSTUITI				sensingmakes it efficient for water quality monitoring and control.	notifications and warnings	purified river water resource.	TAKE MEASURES IF CONTACTED.
experience	SCENARIO						
	Browsing, booking,						
journey map	attending, and rating a local city tour		To access the data collected by the system we				
		Survey Details	just need to use internet of things and time		If the safety level of	the knowledge through DBMS	An efficient water
		What interactions do they have at each step along the way?	continuous monitoring unit. This can be provided by the WSN which relates the the	So the product is basically a	water exceeds base	gives people consiousness of	management system can be
Use this framework to better			remote sensing technology handled for data	smart technology for river		contaminated water and to stop	developed as said before
understand customer needs, motivations, and obstacles by		Existing systemsPolluted percentage	collection.We can have a visual format on desktop using IBM cloud streaming analysis	quality monitoring such a way	scale an fast sms is	pollution of it further more, also	there are innovative chances
illustrating a key scenario or		need for the project	through machine-learning in	designed to analyse the	sent by the agent as an	involves them in teachings.	given with the platform in the
process from start to finish.			Python, Convolutional neural networks is used incomparison of values.	pH,temperature and turbidity	alert.		system design.
When possible, use this map to				of water			
document and summarize							
interviews and observations with							
real people rather than relying							
on your hunches or assumptions.		Goals & motivations	SINCE WATER CONSISTS OF MORE	the core point is to create a	there are two options of	Low cost is the first priority from	Manual practices consumes time
		At each step, what is a person's primary goal or motivation?	THAN SEVERAL ISSUES ,TO MEET	time continuous system that	storage in this system we can	all users that is satisfied and yet	and energy and are unreliable due
		("Help me" or "Help me avoid")	WITH THE CONSTRAINTS MORE	can monitor the quality of	either use cloud storage or	another constraint making our	to change in readings
Created in partnership with			NUMBER OF SENSORS ANALYSING AND COMPUTING RESULTS BASED	water using WSN and zigbee	external memory that can be	customers happy is that it is a	
			ON CONDITION OF WATER IS	for alow power cost efficient		high performance gain sytem in	system providing energy and time saving and high accuracy.
Product School			DEMANDED BY THE CUSTOMER	system.	locally used to gain sensed	low cost.	Saving and ingit accuracy.
					parameters.		
		Advantages					
		What steps does a typical person	Water qualitites analysed through the pH and temperature sensors	the interfacing of multiple sensor	The different sensor nodes each	lot makes integration of all the	As per design we used an
		find enjoyable, productive, fun, motivating, delightful, or exciting?	are computed and are stored in	nodes using WSN architecture is	conneted via WSN are dynamically	componets as analythical	low power consuming high
			DBMS for the	critically implimented in the	involving in river water physical and	inferanacing block, DBMS and iot	end power source that can
			turbidity,pH,temperature factors of	controller using IOT platform.Which	chemical parameter analysis and	device for innovation.inturn giving people to learn ,acknowledge and	create long durability and
			river water to be controled using	itself make an dynamic powerful	collection of values which is efficient and quick	develope the product system.	extra life.Which creates flexible system at low cost.
			IOT device.	system to use.	emcient and quick		Hexible System at low Cost.
		Disadvantaga					
		What steps does a typical person	On one hand customer had	The disadvantage is	Animal water		
		find frustrating, confusing, angering,	disbelif in the product.Also		crossing,accidental human	Since a complex battery for low	
		costly, or time-consuming?	thought may malfunction	maintainance such as	interpretations and	power unit is used the methods are	athar canaara taa aa
			due to placement of the	dysfunctional battery	calamitites can affect the	not abundant and also the	other sensors too can
Share template feedback				power source needs to	mounted WSN to be	resources for maintainace.Hence maintainance may cost some	be included.
			system deep in the water.	be periodically replaced.		people money.	
					damaged		

Required Areas

How might we make each step better? What ideas do we have? What have others suggested?

These types are products highly required in feilds of a portable and real time water quality monitoring system.Also in prototype remote and automatic system in low cast manufacture.

The water quality is to be maintained.so the important factor is monitoring.this has to be imminent as from the values inferred that water can support living standards and see whether system is functional.

24/7 customer is open to the sensing parameter and data streams which enables them to have a reliable system providing instantaneous alert for changes in the system.

Now with this system everyone can demand a fresh river water resourse instead of dringing polluted water.

large variety of applications and innovative ideas can be derived from this technology