FAIRPLANE

Guided city tours

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SCENARIO

Browsing, booking, attending, and rating a local city tour

Steps

What does the person (or group) typically experience?

PROBLEM	IDEA	PURPOSE	SENSOR USED	CUSTOMER
To detect the quality of water and continuously monitor the quality.	The Water index was measured using different types of Sensor.	To Provide good quality of River Water and we can even use that water for drinking purpose without affecting the aquatic lives.	TDS sensor ,Temperature sensor , PH sensor , Turbidity Sensor .	Government is our Prime Customer who will be more beneficial with this .

PROCESS

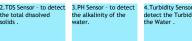| 1.Using TDS sensor , The total dissolved solids can be detected .	2.using PH sensor , the alkalinity of the water can be detected.	3.The detected value is sent to the Arduino.
4.Turbidity Sensor is used to detect the Turbidity of the water .	5.The detected Turbidity value is sent to the Arduino.	5.Temperature Sensor is used to detect the temperature of the water .	6. Using IOT all the Sensed data are sent to the Arduino.

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?

FUNCTIONAL REQUIREMENT	1.User Confirmation - Through EMAIL via OTP.	2.TDS Sensor - to detect the total dissolved solids .	3.PH Sensor - to detect the alkalinity of the water.	4.Turbidity Sensor - to detect the Turbidity of the Water .
5.Temperature Sensor - To detect the temperature of the water .	6.Arduino - to process all the sensed data .	7.Using IoT device all the sensed data are processed.		

Goals & motivations

At each step, what is a person's primary goal or motivation? ("Help me…" or "Help me avoid…")

NON FUNCTIONAL REQUIREMENT	1.Usability – Efficient to use	2. Security – Secured using firewall	3.Reliability – The System is highly reliable	4.Performance – greater performance
5.Safety – Environmentally Safe	6.Availability – 24/7 Availability	7.Scalability – Highly Scalable		

Positive moments

What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?

| BENEFITS | Can be used as drinking water | Contamination of Watercanavoided |

Negative moments

What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

| SENSORS USED | Temperature Sensor | PH sensor | TDS sensor | Conductivity Sensor |