Smart Water fountain

PROBLEM STATEMENT :

★**Technical Issues:** Smart components, such as sensors or connectivity modules, may malfunction or require frequent maintenance.

Solution: Troubleshoot the Wi-Fi connection. Ensure the fountain is within range of the router. Restart the router, or reset and reconfigure the fountain's Wi-Fi settings if needed.

★**Software Bugs:** Smart fountains often run on software that can have bugs or require updates

Solution: Data Sync Problems:Confirm that your app is syncing data with the fountain's control unit. If not, try logging out and logging back in, or consult the app's user manual for data syncing instructions.

★**Power Supply Problems:** If the fountain lacks a stable power source, it may not work consistently.

solution:

If the fountain is connected to a circuit breaker or fuse box, check for tripped breakers or blown fuses. Reset or replace them as needed.

DESIGN THINKINIG:

Identify who will be using the smart water fountain – individuals, public spaces, or businesses. What are their needs, preferences, and pain points when it comes to water access.Analyze the location and context where the fountain will be placed. What climate, safety, and maintenance considerations are relevant.Define the problem: Clearly articulate the challenges and opportunities related to smart water fountains based on your empathy research. For example, a common problem might be limited access to clean drinking water in public spaces. Develop a detailed profile of your typical user to guide the design process.Generate a wide range of ideas for how to address the defined problem. Consider both technical and non-technical solutions. Encourage creativity and open-mindedn Methods like brainstorming, mind mapping, or design workshops can help generate innovative ideas.

PROJECT IDEA:

A smart water fountain idea that combines convenience, sustainability, and user interaction:

Idea: "HydroFlow Oasis" - The Interactive Water Oasis.