NAAN MUDHALVAN

SMART WATER FOUNTAINS

PHASE – 2

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PHASE – 2

SMART WATER FOUNTAINS

INNOVATIONS

Innovations in smart water fountains have been driven by the desire to provide clean, accessible, and sustainable drinking water solutions in public spaces while incorporating advanced technologies to enhance user experience, conservation, and efficiency. Here are some innovations in smart water fountains:

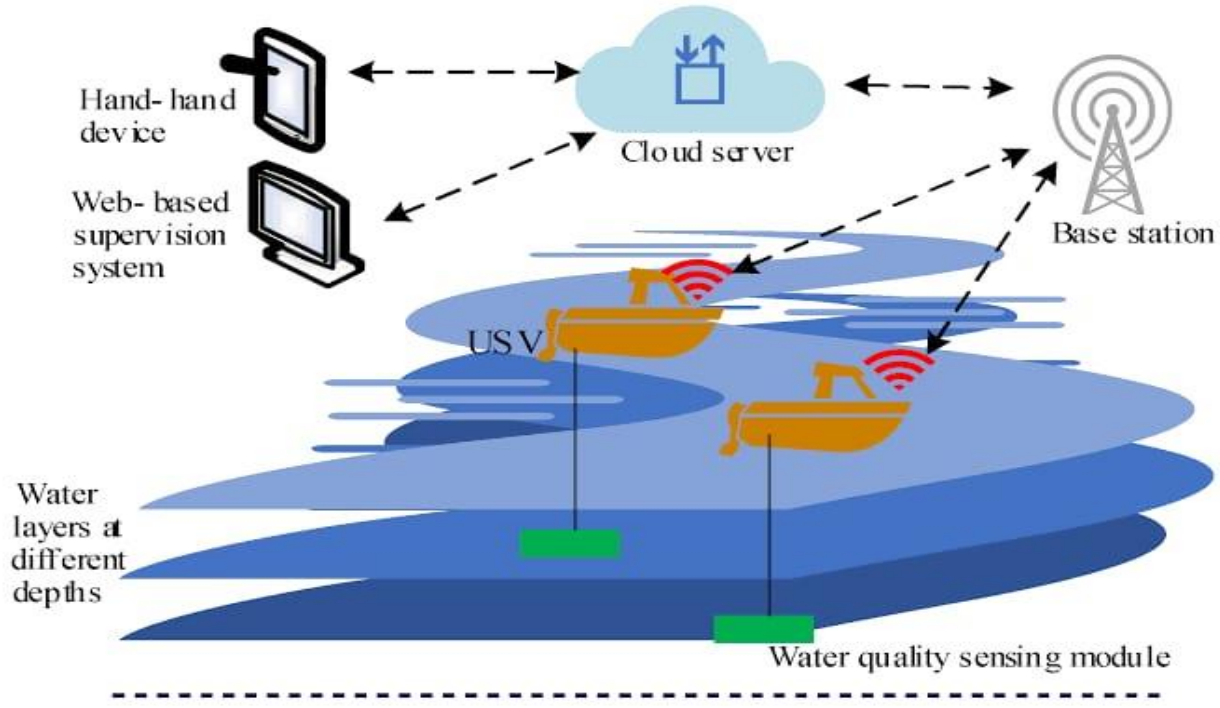
- *Contactless Operation,*
- *Water Quality Monitoring,*
- *Filtered Water,*
- *Water Usage Tracking,*

Contactless Operation:

Smart water fountains now often feature touchless or sensor-based controls, allowing users to activate the fountain without physically touching any surfaces. This helps reduce the spread of germs and enhances hygiene, especially in public areas.

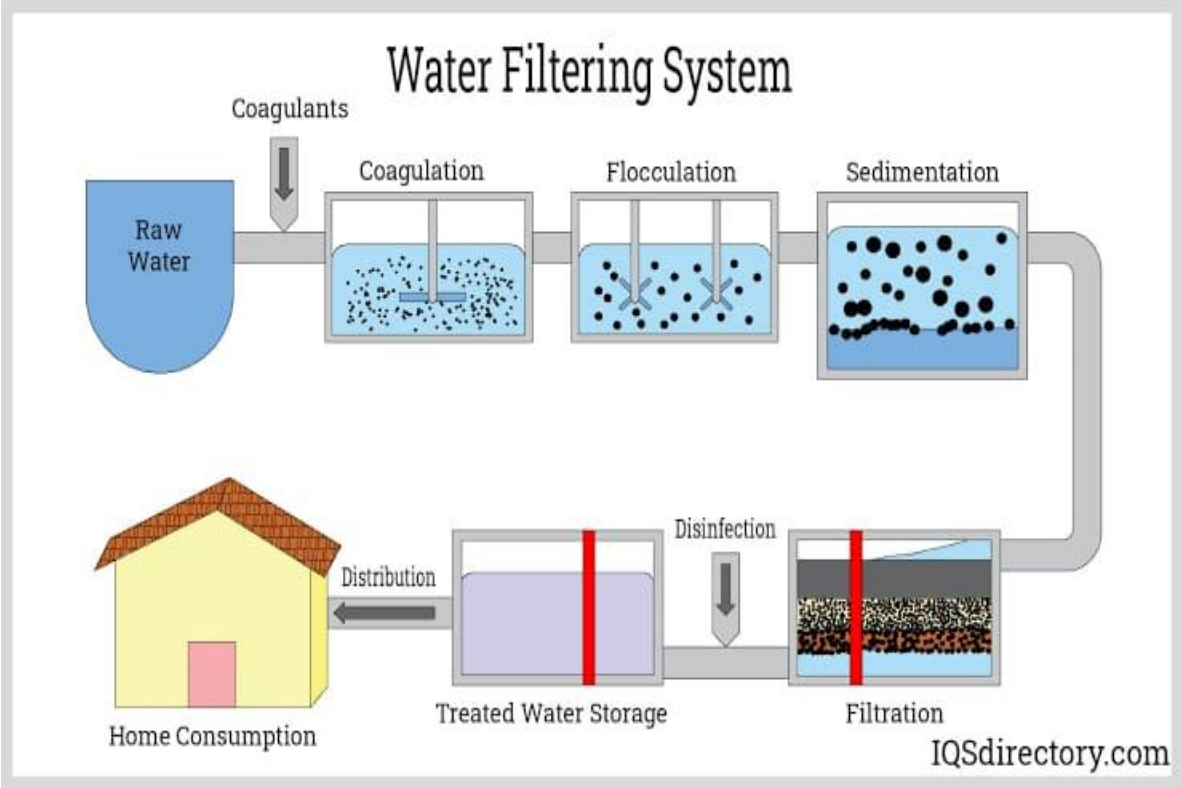
Water Quality Monitoring:

Some smart fountains are equipped with sensors that continuously monitor the quality of the water, checking for impurities or contaminants. If any issues are detected, the fountain can automatically shut off or send alerts for maintenance.



Filtered Water:

Many smart fountains come with built-in filtration systems, ensuring that the water dispensed is not only clean but also tastes good. These filters can remove impurities, chlorine, and other substances that may affect the water's taste.



Water Usage Tracking:

Some smart fountains are connected to cloud-based systems that track water usage in real-time. This data can be used to identify usage patterns, optimize maintenance schedules, and promote water conservation efforts.