

Drawings

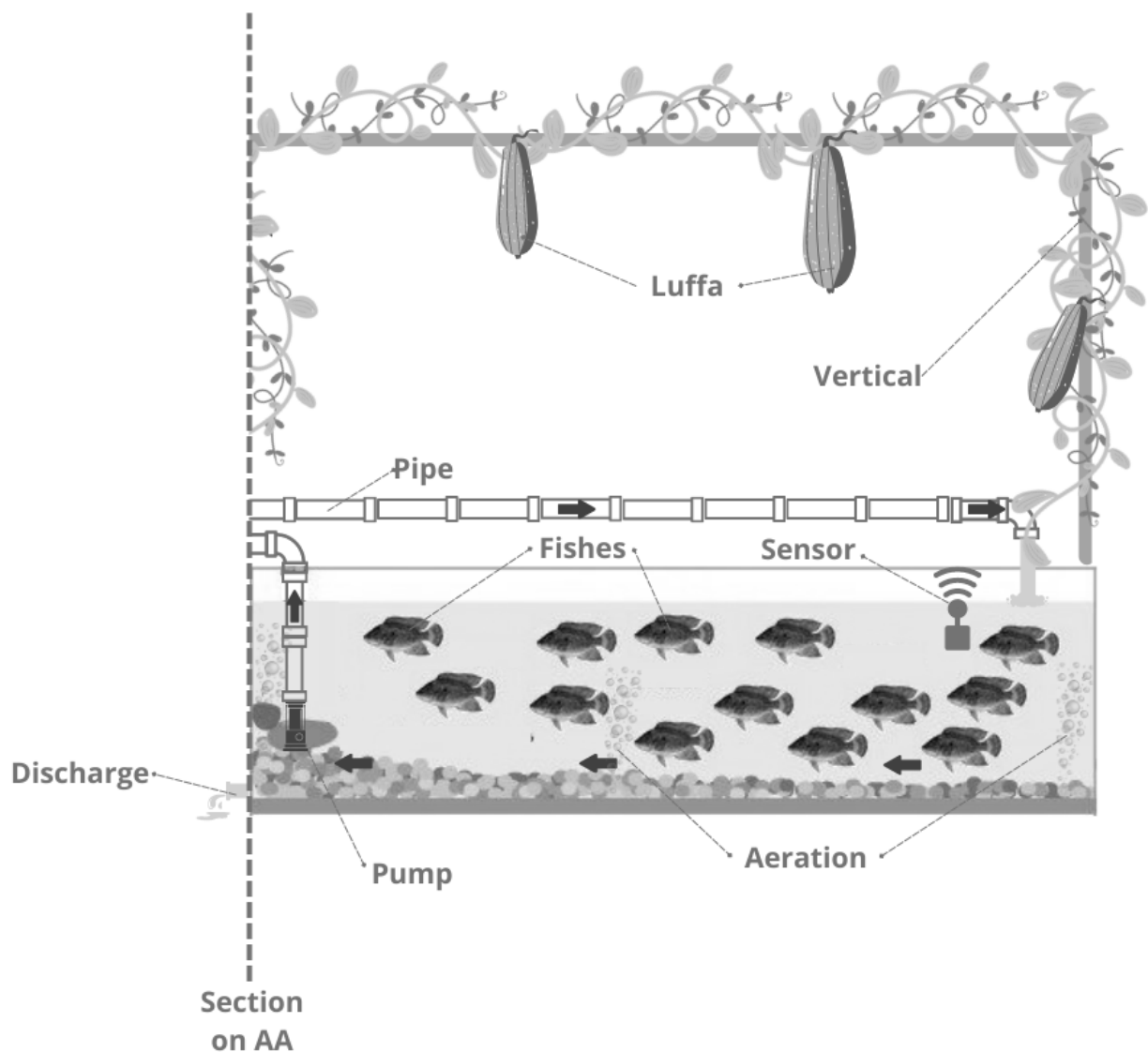


Fig. 1

Depicts the Fish Unit of the WangFY Aquaponic System. The Fish Unit houses the monitoring sensors, pumping system for efficient re-circulation of the water in order to facilitate the high density stocking for the fishes. The fish unit also facilitate a Vertical in the form of trellis to support vine growing crops such as luffa.

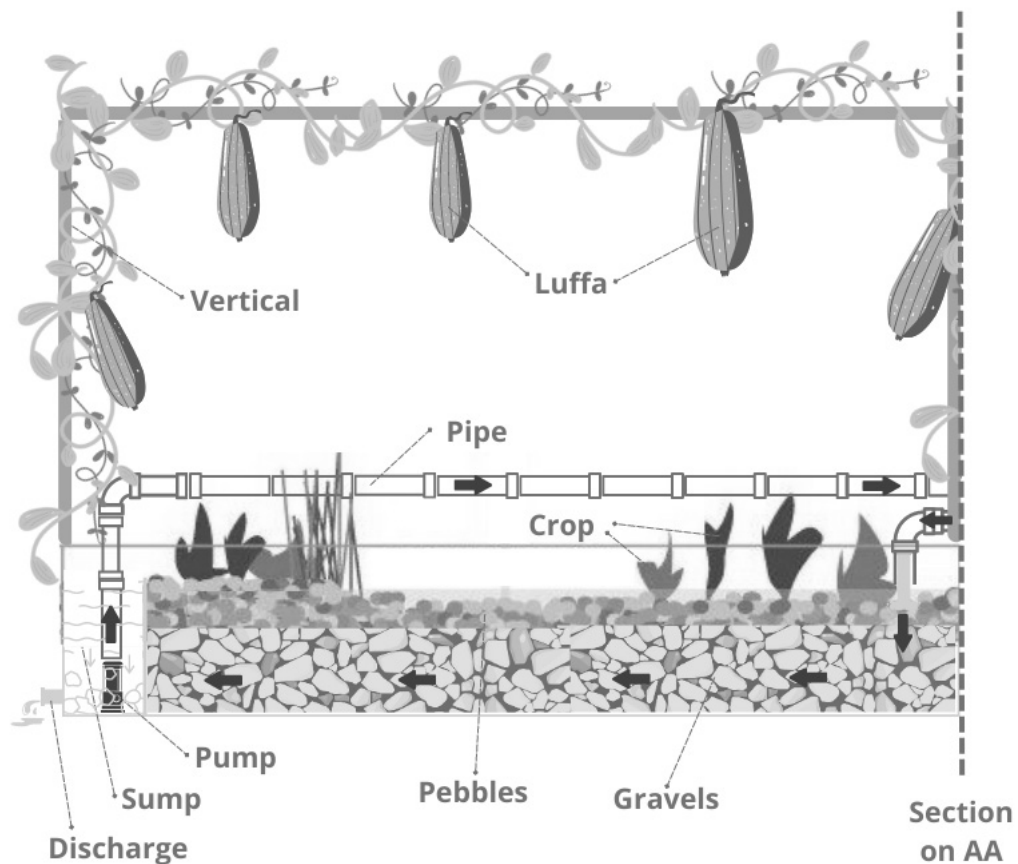


Fig. 2

Depicts the Grow Bed of the WangFY Aquaponic System. The Grow Bed uses gravel and clay pebbles as the growing medium for crop (vegetable) farming. It houses a sump to filter the water and a pumping system to re-circulate the filtered water back to the Fish Unit. Like the Fish Unit, it also facilitate a Vertical to support vine growing crop like luffa.

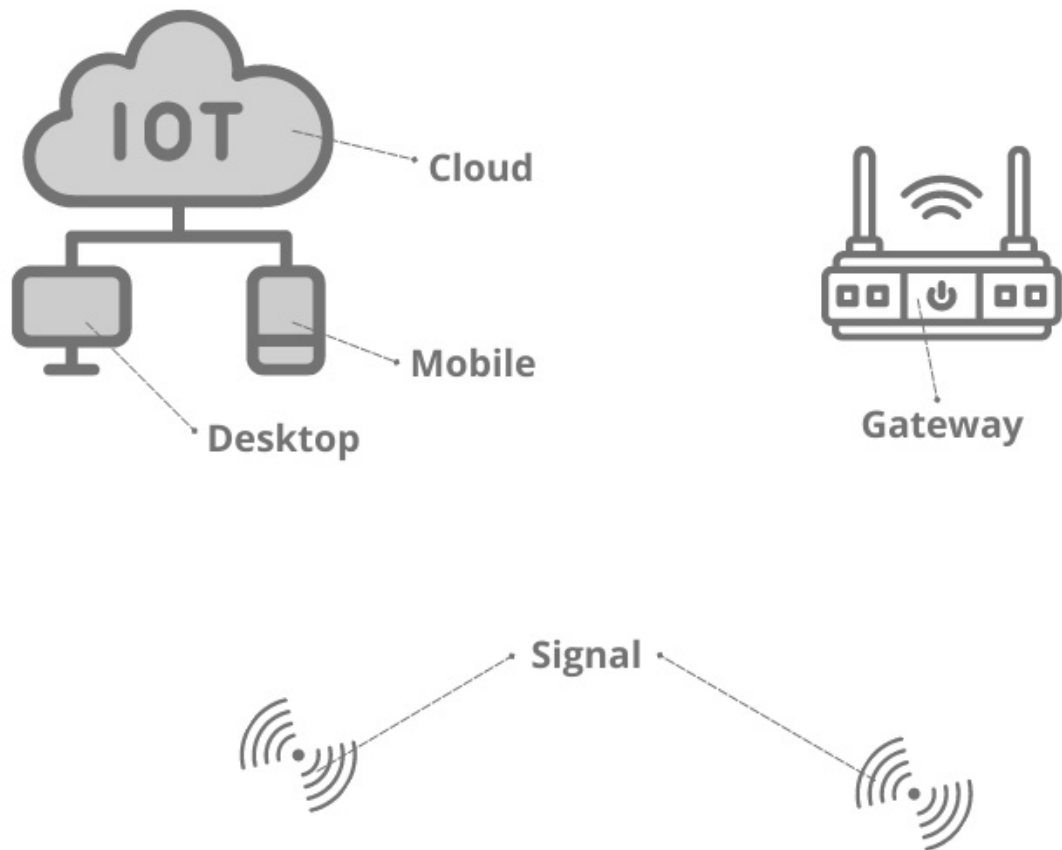


Fig. 3

Depicts the Customized IOT Solutions employed in the WangFY Aquaponic System to Monitor and Collect Real-Time Data, Predict Abnormalities in the water of the fish Unit in order to efficiently altered the environment to reduce potential loss of yield. The IOT uses Mobile and Desktop applications over wireless network.