

Introduction:

Garden sensor which keeps you connected to your garden. It tracks light, nutrition, moisture, humidity and temperature. It is Wi-Fi connected and it sends notifications to your phone



Physical Component

A mechanical device which is inserted into the soil. Holds the sensor unit along with it. Also another valve regulator which is inserted into your valve



Smart and Connectivity Component

A sensor which tracks the soil moisture, light intensity and temperature.

Sensors send the data to the mobile application through the WIFI network.



Capabilities

Monitor: It monitors the information related to the soil moisture and the light intensity.

Control and Optimization: Benchmark the data with the data available in the other databases. Can tell the user the type of fertilizer to be used for the soil, the vegetables that can be grown, requirement of watering

Automation: Based on the water requirement the valve will be opened by the valve sensor and sprinklers will spray the water.

