Sudhanva SP

Cse 1st year

Farm Managment

December 19, 2020

Overview

Smart and precision farming is pretty much the way to go in the near future.By integrating advanced modules to enhance the lifestyle of the modern farmer. As an added bonus it enhances the efficiency of the crop plantation and energy use to ensure sustainable farming by reducing the burden of tedious and monotonous tasks on the farmer.

Abilities to achieve:

- Remotely Turning the water source when desired
- Measuring the Soil Moisture level
- Insect Trapper to get rid of the insect pests by attracting them to a particular source of light
- Automatic illumination/lamp of the farm
- Surveillance Camera to monitor the farm

Main Hardware

- ❏ Nodemcu
- ❏ Arduino

Main Software

- ❏ Blynk
- ❏ Arduino IDE