Smart Farm

* Make some farming activities automated
* Make checking of soil and plant health automated
* Monitoring farm activities

Manual Process to Automate

# IMPORTANT:

* Irrigation (Send data to interface also e.g Humidity, soil mositure)
* Weather forecast to know best crops to plant
* Intruder Alert (Capture the intruder on camera?)
* Automatic lights
* Automatic incubations
* Pump water into tank automatically in poultry farm
* Creating an interface for the devices

# FEATURES?

* Fire Alarm system
* Gate opening (Calling the chicks in)
* Disease control in plants

Sensors to Use

* Soil moisture sensor
* Actuators / Homemade sprinklers
* Ultrasonic sensor
* Buzzer
* Raspberry Camera
* Valves
* LEDs
* Water level sensors
* HTML/CSS for interface
* Pipes for irrigation purposes