

VSB Engineering College, Karur-639111

Department of Electronics and
Communication Engineering

Project objectives

Title : IOT based smart crop
protection for agricultural system

Domain Name: Internet of Things

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Project's Vision

World is reconstructed with emerging technology which makes the human life to be simpler and more simpler. In this project, we try to implement IOT in the

agriculture. Ideology behind this project is to protect the crops in the field and thereby no affect in the production.

Project's goal

Goal is to implement the IOT in the agriculture . It greatly helpful in reducing the time spent in the field for irrigation. Farmers can switch on and off the motor from the distant place without paying visit to the field.

COMPONENTS

Water moisture sensor, arduino, IOT wifi module, cloud, mobile, water pump

FUNCTION

Device which is fitted in the field monitors the water level in the field. If the water level in the field exceeds the threshold then device intimate a message to the farmer regarding the threshold water level(water level above bad for crop)so that farmer can switch off the motor from the distant.

OBJECTIVE

- It protects the plant the crop from decaying due to excess flow of water
- It greatly reduces the farmer's time
- Gradual intrusion of technology in agriculture which makes the agriculture easier
- Production can't be affected by water factor
- Make high profit with minimal capital

CONCLUSION

Introducing technology in the agriculture at affordable cost which improvise the production with minimal capital which will give better smile at the face of farmer after investing their efforts.