VSB Engineering College,Karur-639111

Department of Electronics and Communication Engineering

Nalaya Thiran IDEATION

DOMAIN NAME: INTERNET OF THINGS

TITLE: IoT BASED SMART FARMING APPLICATION

LEADER NAME: KAVINKUMAR R

TEAM MEMBER NAME: KAVINRAJA M

PRAKASHAM P

KATHIR M

MENTOR NAME: VALLISUSEELA R

Problem Statement: -

smart farming is a hi-tech and effective system of doing agriculture and growing food in a sustainable way. it is an application of implementing connected devices and innovative technologies together into agriculture. smart farming majorly depends on IoT thus eliminating the need of physical work of farmers and growers and thus increasing the productivity in every possible manner. with the recent agriculture trends dependent on agriculture, internet of things has brought huge benefits like efficient use of water, optimization of inputs and many more. what made difference were the huge benefits and which has become a revolutionized agriculture in the recent days. IoT based smart farming improves the entire agriculture system by monitoring the field in real-time. with the help of sensors and interconnectivity, the internet of things in agriculture has not only saved the time of the farmers but has also reduced the extravagant use of resources such as water and electricity. it keeps various factors like humidity, temperature, soil etc. under check and gives a crystal-clear real-time observation

KAVINKUMAR R

We can use sensors for growth

We could range the amount for fertilized soil in amount

KAVINRAJA M

We can use sound and sensors for ranging of pesticides

We can use sensors for automation of soil irrigation

PRAKASHAM P

We can use the Arduino for micro processing and UNO coding for process.

We can control the flow of water based on the soil moisture.

KATHIR M

We can use drones for monitoring

We can use cameras for monitoring

Final Ideas: -

We can use sensors for growth

We can use sensors for automation of soil irrigation