

V.S.B. ENGINEERING COLLEGE

ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

TITLE : IoT Based Smart Crop Protection System for Agriculture

DOMAIN NAME : Internet of Things

INDUSTRY MENTOR

NAME : SOWJANYA, SANDEEP DOODIGANI

FACULTY MENTOR

NAME : NANDHINI P

TEAM LEADER : SIVA KAVIYA D

TEAM MEMBERS

NAME : 1. VINOTHA M
2. TEENAL R
3. SINEGA P

SAYS

- To said the importance of sustainable agriculture.
- To protect the crops in farm area from animals.
- Farmers can monitor the field conditions from anywhere.

THINKS

- Adapting to climate change and extreme events.
- Monitoring the crop fields with the help of sensors.
- Eliminates the need for constant manual monitoring.



DOES

- Preserve and product the farming
- Manage the quality of air, water and soil.
- Increase energy efficiency in food production .
- Optimize the use of natural resources.

FEELS

- Reduces the human involvement in agricultural activities.
- Helps in obtaining quality crops.
- Feels this technology saves the water.
- Feels it lowers the labours cost.

PROBLEM STATEMENT

- The traditional agriculture and allied sector cannot meet the requirements of modern agriculture which requires high-yield, high quality and efficient output. Thus, it is very important to turn towards modernization of existing methods and using the information technology and data over a certain period to predict the best possible productivity and crop suitable on the very particular land.
- The adoptions of access to high-speed internet, mobile devices, and reliable, low-cost satellites (for imagery and positioning) are few key technologies characterizing the precision agriculture trend.