

## **FOR AGRICULTURE**

## **IOT BASED SMART CROP PROTECTION SYSTEM**

### **IDEATION**

#### 1.Preventing pests and animals:

Crops in farms are many times ravaged by local animals like buffaloes, cows, goats etc. This leads to huge losses for the farmers. It is not possible for farmers to barricade entire fields or stay on field 24 hours and guard it. So here we propose automatic crop protection system which alerts the farmer or the owner when an animal has entered the farm.

#### 2.Irrigation control in the field:

Many crops can only survive in a specific range of humidity and temperature. In our proposed design the humidity and temperature are monitored and it alerts when there is a need of water to the crops.

#### 3.Seasonal agriculture:

Nowadays the climatic changes are so unpredictable. Our proposed model can sense the change in climatic conditions and suggest which crops are suitable to that climatic condition. This can also help in sowing and harvesting of crops.