

## PROBLEM STATEMENT

- Agriculture is mainly based on periodic climatic change and monsoon.
- Crop yield is based on environmental factors such as temperature, pressure, humidity, water level, moisture, soil fertility, pH of the soil, etc.
- Automation of irrigation is one of the important tasks performed by a farmer.
- So, we have to develop a web application to visualize the soil moisture, temperature and humidity values.
- In addition to this, the device has to detect the animals and birds that destroy the crop.
- If any animal or bird is detected, the image should be captured and should generate an alarm and avoid animals from destroying the crop.