SPRINT-4

TEAM ID	PNT2022TMID30731
Project Name	IoT Based smart crop Protection system for agriculture
Maximum mark	20 marks

1.The random sensor data's are generated and automation has been implemented through the python code instead of using hardware to implement IOT based crop protection system
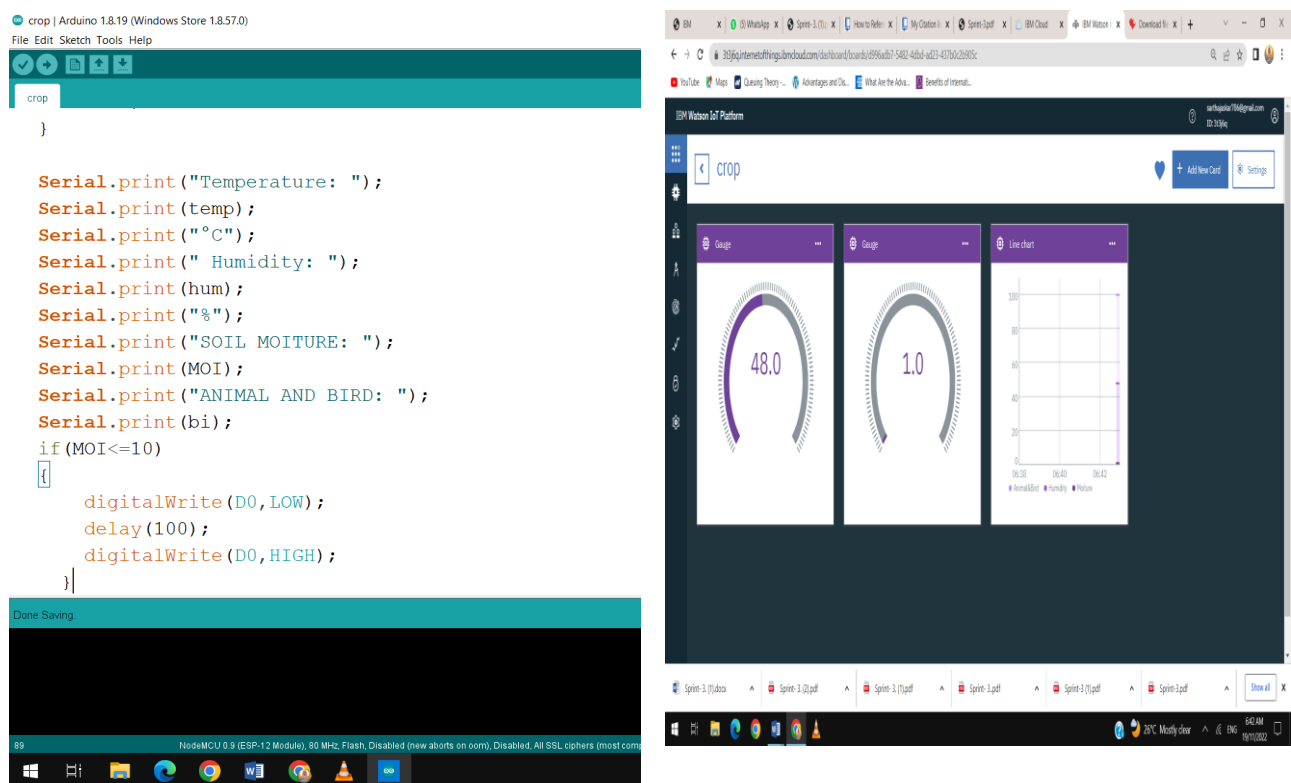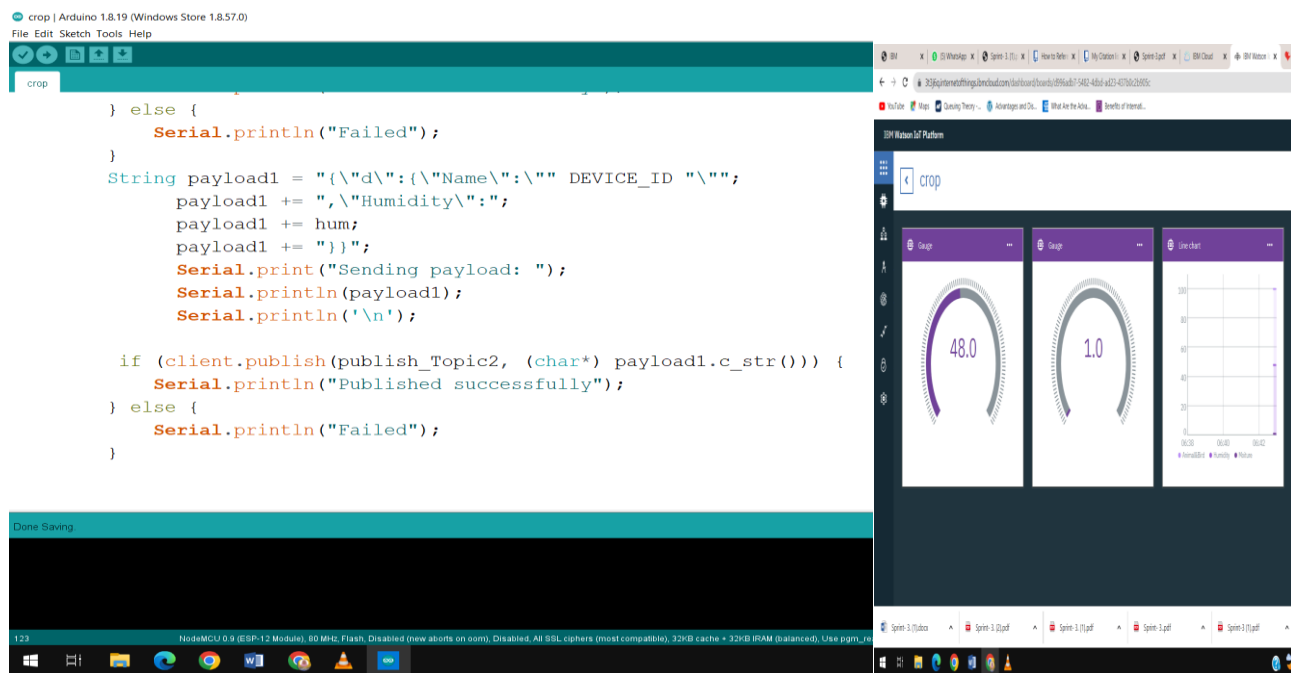
2.This system uses a motion sensor to detect wild animals approaching near the field. In such a case the sensor signals the microcontroller to take action.

3.**Soil moisture sensors** measure the volumetric water content in soil. Since the direct gravimetric measurement of free soil moisture requires removing, drying, and weighting of a sample, soil moisture sensors measure the volumetric water content indirectly by using some other property of the soil, such as electrical resistance, dielectric constant, or interaction with neutrons, as a proxy for the moisture content

4. The IOT device is used to indicate the farmer by a message while someone enter into the farm and we are used SD card module that helps to store a specified sound to fear the animals. This project is smart crop protection system for protect the farm from animals as well as unknown person.