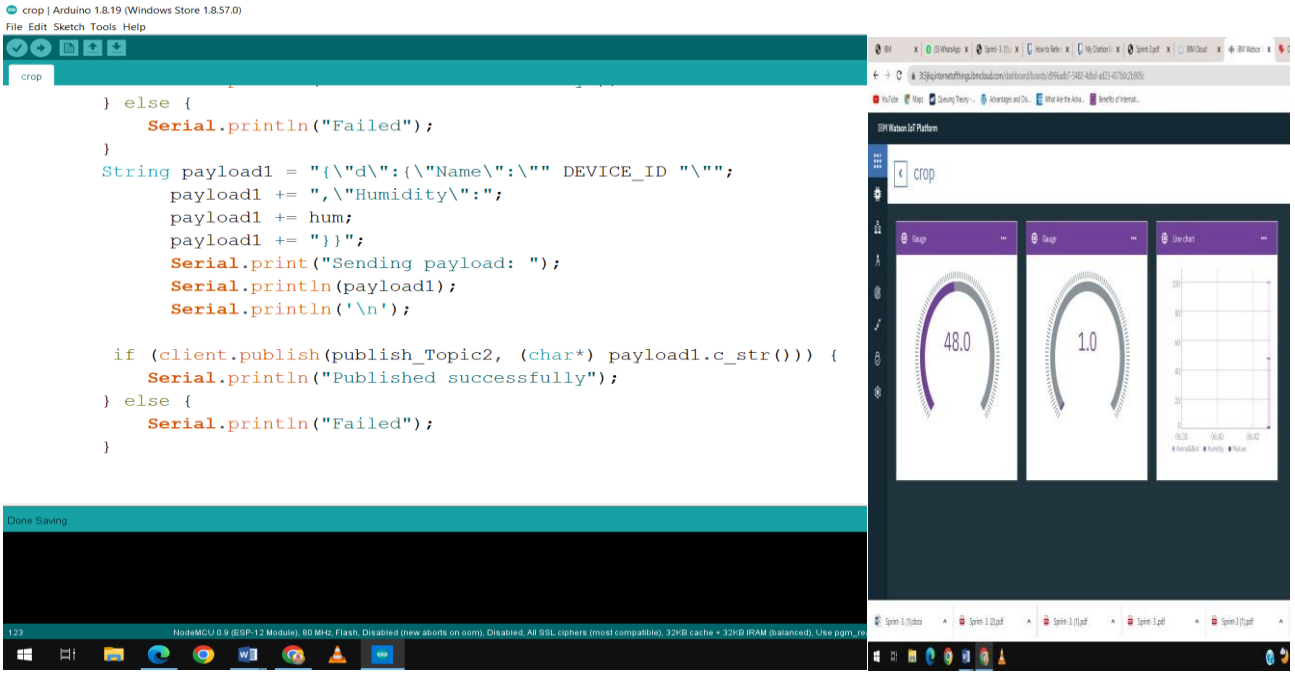
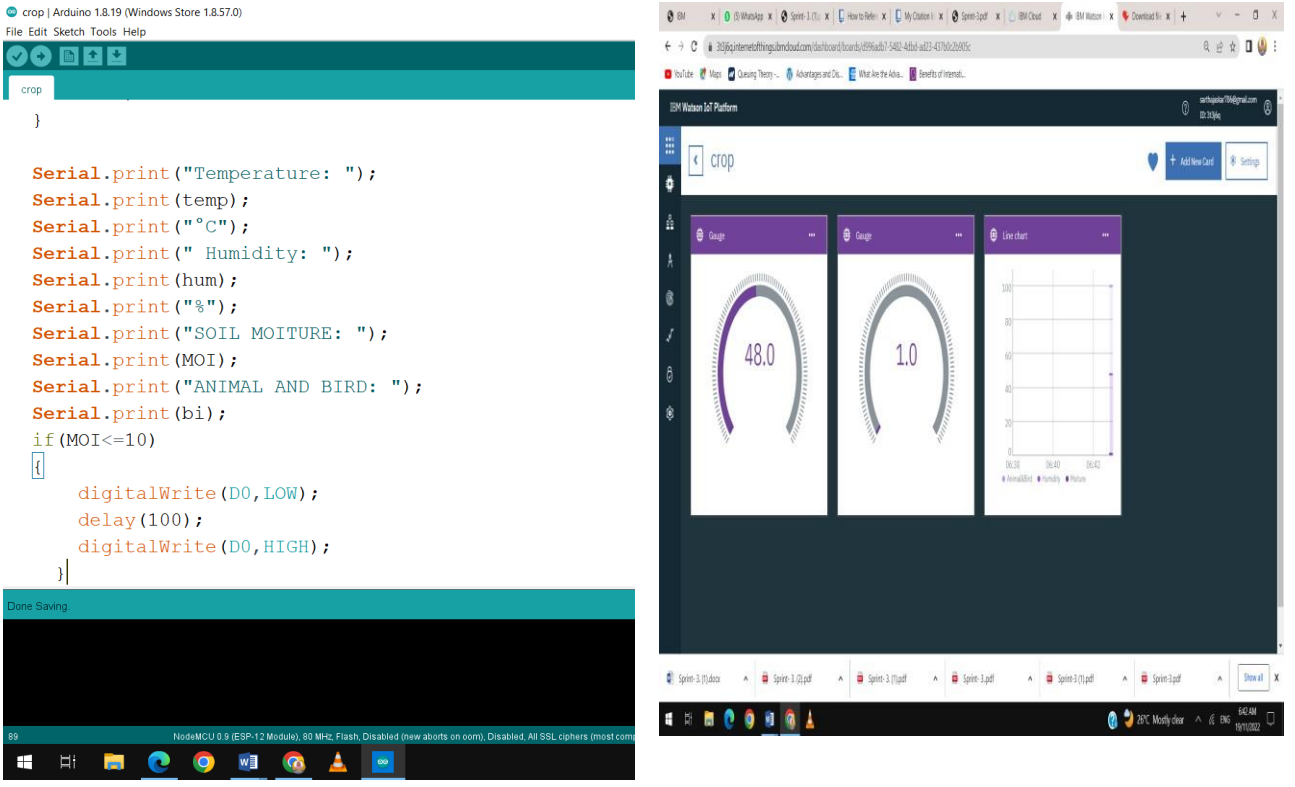
SPRINT-4

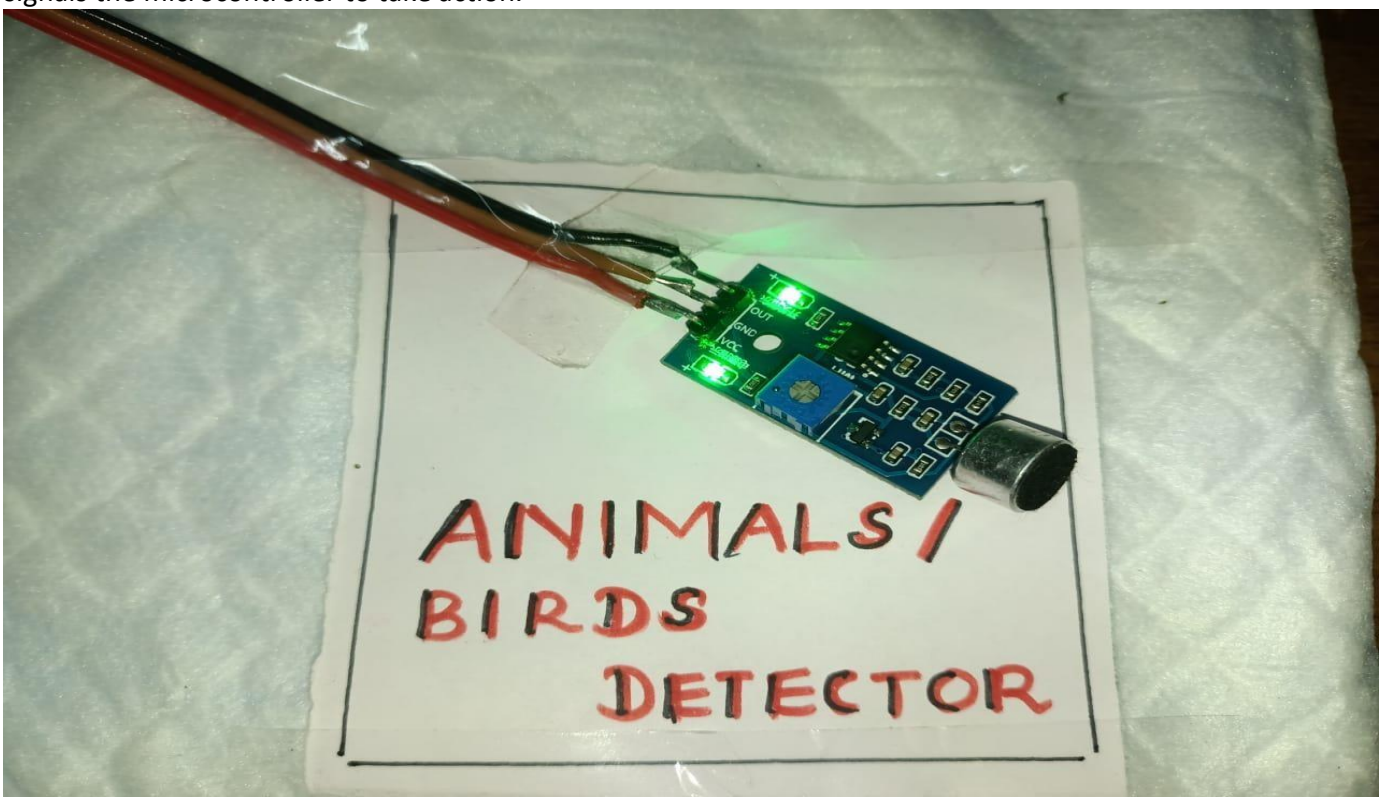
TEAM ID	**PNT2022TMID07804**
Project Name	**IoT Based smart crop Protection system for agriculture**
Maximum mark	**20 marks**

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

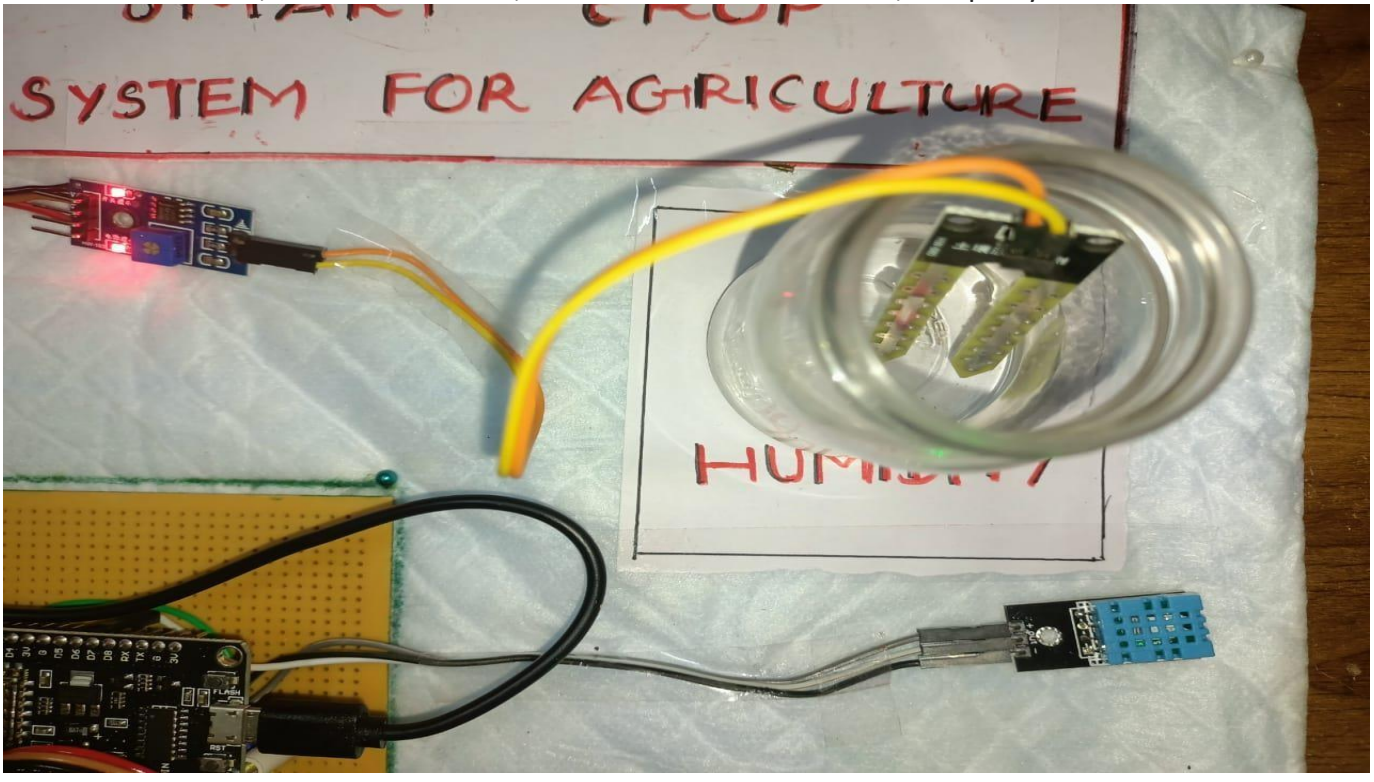




2. This system uses a motion sensor to detect wild animals approaching near the field. In such a case the sensor signals the microcontroller to take action.



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.