

Milestone & Activity List	
DATE	28/10/2022
TEAM ID	PNT2022TMID11064
PROJECT NAME	IOT based smart crop protection system for agriculture

IBM Cloud Services: (Aug 22-Sep02)

Among all the IOT product development stages cloud services is an important stage for building the best IOT product. The development team is responsible for building web and mobile based applications for control in the functionality of products in real time.

Open Weather Map :(Sep 05-Sep 10)

The Open Weather Map is a service that provides weather data, including current weather data, forecasts, and historical data to the developers of web services and mobile applications. We analyzed the behavior of the metrics for the open weather map model.

Node-Red:(Oct 1-Oct 11)

Node-Red is a programming tool for wiring together hardware devices, API and online services in new and interesting ways. It provides a browser-Based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its run time in a single -click.

Python Script:(Sep 20-Sep 27)

The primary objective of running python on an IOT device that pops up in mind is grabbing the Arduino UNO from the table. Python is pre-installed in the operating system, and the only objective left for us is to write the coding script.

Sensor :(Sep 10-Sep 17)

Various sensors are used in the agriculture field system such as ultrasonic sensor is used to keep animals away from the agri field, sensors can be used to monitor the amount of nutrition and water capacity. Sensors can sense these variation and can give these signals to the external devices.

Product Hardware Identification:

Product Hardware Identification is one of the most important parts of IoT product development stages. The development team with great and in-depth knowledge of diverse types of IoT boards, sensors and connector devices will get a huge success in IoT product development.

Application:

Smart crop protection system for agriculture can be used to protect a particular agriculture field from getting affected by various factors such as to prevent wild animals damaging the crops, to monitor the water and nutrition capacity of the soil and to monitor the pesticide capacity of the soil.

Final Deliverables: (Oct 25-Nov 15)

Our project smart crop protection system for agriculture in the domain of internet of things (IOT) will soon prove its potential in agriculture sector and will definitely help the farmers to protect their crops from various factors which intern increase their productivity to a greater extend.