

Project Planning Phase

Team ID	PNT2022TMID32036
Project Name	IoT based Smart crop Protection System for agriculture
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		US-1	Create the IBM Cloud services which are being used in this project.	6	High	Narmatha Subhashri pavithra Mothish karthickraj
Sprint-1		US-2	Configure the IBM Cloud services which are being used in completing this project.	4	Medium	Narmathasubhashri Pavithra Mothish karthickraj
Sprint-2		US-3	IBM Watson IoT platform acts as the mediator to connect the web application to IoT devices, so create the IBM Watson IoT platform.	5	Medium	Narmatha subhashri Pavithra Mothish karthickraj
Sprint-2		US-4	In order to connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials.	5	High	Narmathasu bhashri Pavithra Mothish karthickraj
Sprint-3		US-1	Configure the connection security and create API keys that are used in the Node-RED service for accessing the IBM IoT Platform.	10	High	Narmatha Subhashri Pavithra Mothish karthickraj

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		US-2	Create a Node-RED service.	10	High	Narmatha Subhashri Pavithra Mothish karthickra j
Sprint-3		US-1	Develop a python script to publish random sensor data such as temperature, moisture, soil and humidity to the IBM IoT platform	7	High	Narmatha Subhashri Pavithra Mothish karthickra j
Sprint-3		US-2	After developing python code, commands are received just print the statements which represent the control of the devices.	5	Medium	Narmatha Subhashri Pavithra Mothish karthickra j
Sprint-4		US-3	Publish Data to The IBM Cloud	8	High	Narmatha Subhashri Pavithra Mothish karthickra j
Sprint-4		US-1	Create Web UI in Node- Red	10	High	Narmatha Subhashri Pavithra Mothish karthickra j
Sprint-4		US-2	Configure the Node-RED flow to receive data from the IBM IoT platform and also use Cloudant DB nodes to store the received sensor data in the cloudant DB	10	High	Narmatha Subhashri Pavithra Mothish karthickra j

