

Project Planning Phase

Date	22 October 2022
Team ID	PNT2022TMID44775
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	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
Sprint-1		US-2	Configure the IBM Cloud services which are being used in completing this project.	4	Medium	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
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	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
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	Bhuvaneshwari M Umabharathi S Swathi R Varsha M

Sprint-3		US-1	Configure the connection security and createAPI keys that are used in the Node-RED service for accessing the IBM IOT Platform.	10	High	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
Sprint-3		US-2	Create a Node-RED service.	10	High	Bhuvaneshwari M Umabharathi S Swathi R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						VARSHA M
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	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
Sprint-3		US-2	After developing python code, commands are received just print the statements which represent the control of the devices.	5	Medium	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
Sprint-4		US-3	Publish Data to The IBM Cloud	8	High	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
Sprint-4		US-1	Create Web UI in Node- Red	10	High	Bhuvaneshwari M Umabharathi S Swathi R Varsha M
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 cloud ant DB	10	High	Bhuvaneshwari M Umabharathi S Swathi R Varsha M

Project Tracker, Velocity & Burn down Chart: (4 Marks)

