

Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	22 october 2022
Team ID	PNT2022TMID46164
Project name	Smart farmer-smart farming enabled lot applications
Maximum marks	8 marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Pre requisites	USN-1	As a user,I Need to enrol the cloud registration	5	Medium	• M.DHARSHINI
Sprint-1		USN-2	Create the IBM cloud service	8	High	• G.JANA PRIYA
Sprint-1		USN-3	As a user,I will signup for MIT app inventor using your Gmail ID.	1	Low	• R.AGALYA

Sprint-1		USN-4	As a user, install the python software IDE.	3	Medium	• M.DHARSHINI
Sprint-1		USN-5	As a user, create an account in fast2sms.com for sending messages using API.	2	High	• M.DHARSHINI
Sprint-1		USN - 6	As a user, create the API keys and save them.	2	Medium	• M.VELLAIAMMAL
Sprint-2	Create and configure IBM cloud service	USN- 7	As a user, I need to enrol the cloud registration.	2	High	• M.DHARSHINI
Sprint-2		USN-8	As a user, I will create IBM cloud account.	1	Medium	• M.DHARSHINI
Sprint-2		USN-9	After creating cloud account launch IBM Watson IOT platform by accessing cloud account.	3	Low	• R .AGALYA

Sprint-2		USN-10	Create the node in IBM Watson platform	2	High	M.Vellaiammal
Sprint-2		USN-11	After creating node get device type and ID.	1	low	G.Jana priya
Sprint-2		USN-12	Simulate the node created	3	medium	R.Agalya
Sprint-3	Develop a python script to publish and subscribe to IBM IOT platform	USN-13	Install the python software	2	Low	M.Dharshini
Sprint-3		USN-14	Develop the python script to publish details to IBM IOT platform	2	medium	M.Vellaiammal

Sprint-3		USN-15	Integrate the device ID ,authentication token in python script.	6	high	G.Jana priya
Sprint-3		USN-16	Develop the python code	5	medium	R.Agalya
Sprint-4	Build a web application using node-RED service.	USN-17	Develop the web application using node red	8	high	M.Dharshini
Sprint-4	Develop a mobile application	USN-18	Develop a mobile application.	4	low	

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

$$AV = 6/3 = 2$$

