

## Project Planning Phase

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

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

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

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Pre requisites	USN-1	IBM cloud,service,MIT app inventor, software, create an account in fast2sms dashboard	1	Medium	<ul style="list-style-type: none"><li>• M.Dharshini</li><li>• G.Jana priya</li><li>• R.Agalya</li></ul>
Sprint-2	Create and configure IBM cloud service	USN-2	Create the IBM Watson lot platform and a device, create Node-RED service	2	High	<ul style="list-style-type: none"><li>• M.Dharshini</li><li>• M.Vellaiammal</li><li>• G.Jana priya</li></ul>
Sprint-3	Develop a python script to publish and subscribe to IBM lot platform	USN-3	Develop the python code	2	High	<ul style="list-style-type: none"><li>• M.Dharshini</li><li>• G.Jana priya</li><li>• M.Vellaiammal</li></ul>

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Build a web application using Node-red service, develop a mobile application	USN-4	Building a web application using Node-RED, develop a mobile application	1	Medium	<ul style="list-style-type: none"> <li>M.Dharshini</li> <li>R.Agalya</li> </ul>

#### 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:**

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

$$AV = 6/3 = 2$$

## BURNDOWN CHART

Story Points Completed (as on Planned End Date)

