

# **Project Planning Phase**

## **Project Planning**

**(Product Backlog, Sprint Planning, Stories, Story points)**

<b>Date</b>	<b>9 November 2022</b>
<b>Team ID</b>	<b>PNT2022TMID40761</b>
<b>Project name</b>	<b>Natural Disaster Intensity analysis and classification using artificial intelligence</b>
<b>Maximum marks</b>	<b>8 Marks</b>

## **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	Registration	USN – 1	As a user, Registering into the product using a valid email address	5	High	YUVARAJ G MUNISH G
Sprint-2	Registration	USN – 2	As a user, Registering into the product using a valid username and password	3	Medium	ARUN S PALANISAMY M
Sprint-1	Authentication	USN – 3	As a user, I adept to logging into the system with credentials	4	High	JOTHIMANI M
Sprint-2	Authentication	USN - 4	As a user, I adept to logging into the system with OTP	2	High	MUNISH G
Sprint-1	Designation of Region	USN – 5	selecting the region of interest to be monitored and analysed	3	High	YUVARAJ G ARUN S
Sprint-2	Analysis of Required Phenomenon	USN – 6	Regulating certain factors influencing the actions of the phenomenon	3	High	MUNISH G
Sprint-2	Accumulation of required Data	USN – 7	Gathering data and detailed report on past event analysis	4	Medium	ARUN S
Sprint-4	Organizing Unstructured data	USN – 8	Organizing and reorienting the raw data into a refined data	3	Low	PALANISAMY M
Sprint-2	Algorithm selection	USN – 9	Choosing a required algorithm for specific analysis	2	High	YUVARAJ G
Sprint-3	Prediction and analysis of data	USN – 10	Predicting and visualizing the data effectively	6	High	ARUN S YUVARAJ G MUNISH G JOTHIMANI M

Sprint-4	Report generation	USN – 11	Generating a clear and detailed report on product data analysis	3	High	YUVARAJ G PALANISAMY M
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### **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	12	6 days	24 Oct 2022	29 Oct 2022	12	30 Oct 2022
Sprint-2	14	6 days	31 Oct 2022	5 Nov 2022	14	6 Nov 2022
Sprint-3	6	6 days	07 Nov 2022	12 Nov 2022	6	8 Nov 2022
Sprint-4	6	6 days	14 Nov 2022	19 Nov 2022	6	20 Nov 2022

### **Velocity:**

#### **Sprint - 1**

**Average Velocity = Sprint duration / Velocity**

$$= 12 / 6$$

$$= 2$$

#### **Sprint - 2**

**Average Velocity = Sprint duration / Velocity**

$$= 14 / 6$$

$$= 2.3$$

### **Sprint - 3**

**Average Velocity = Sprint duration / Velocity**

$$= 6 / 6$$

$$= 1$$

### **Sprint - 4**

**Average Velocity = Sprint duration / Velocity**

$$= 6 / 6$$

$$= 1$$