

## **Project Planning Phase**

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

<b>Date</b>	<b>21 October 2022</b>
<b>Team ID</b>	<b>PNT2022TMID48363</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	DEEPAKPANDIAN C
Sprint-2	Registration	USN – 2	As a user, Registering into the product using a valid username and password	3	Medium	ABIKISHORE P
Sprint-1	Authentication	USN – 3	As a user , I adept to logging into the system with credentials	4	High	BALASUBRAMANIYAN M
Sprint-2	Authentication	USN - 4	As a user , I adept to logging into the system with OTP	2	High	PIRUTHIVIRAJ R
Sprint-1	Designation of Region	USN – 5	selecting the region of interest to be monitored and analysed	3	High	DEEPAKPANDIAN C
Sprint-2	Analysis of Required Phenomenon	USN – 6	Regulating certain factors influencing the actions of the phenomenon	3	High	ABIKISHORE P
Sprint-2	Accumulation of required Data	USN – 7	Gathering data and detailed report on past event analysis	4	Medium	BALASUBRAMANIYAN M
Sprint-4	Organizing Unstructured data	USN – 8	Organizing and reorienting the raw data into a refined data	3	Low	PIRUTHIVIRAJ R
Sprint-2	Algorithm selection	USN – 9	Choosing a required algorithm for specific analysis	2	High	DEEPAKPANDIAN C
Sprint-3	Prediction and analysis of data	USN – 10	Predicting and visualizing the data effectively	6	High	BALASUBRAMANIYAN M
Sprint-4	Report generation	USN – 11	Generating a clear and detailed report on product data analysis	3	High	ABIKISHORE P

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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**

$$\begin{aligned}\text{Average Velocity} &= \text{Sprint duration} / \text{Velocity} \\ &= 12 / 6 \\ &= 2\end{aligned}$$

#### **Sprint - 2**

$$\begin{aligned}\text{Average Velocity} &= \text{Sprint duration} / \text{Velocity} \\ &= 14 / 6 \\ &= 2.3\end{aligned}$$

#### **Sprint - 3**

$$\begin{aligned}\text{Average Velocity} &= \text{Sprint duration} / \text{Velocity} \\ &= 6 / 6 \\ &= 1\end{aligned}$$

### **Sprint - 4**

**Average Velocity = Sprint duration / Velocity**

$$= 6 / 6$$

$$= 1$$