**Project Planning Phase**

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

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| **Date** | **14 November 2022** |
| **Team ID** | **PNT2022TMID13738** |
| **Project Name** | **Emerging Methods for Early Detection of Forest Fires** |
| **Maximum Marks** | **8 Marks** |

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

Use the below template to create product backlog and sprint schedule

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 20 | High | Karthikeyan .K  Gunaseelan.M  Bhavan ramana.E  Hemanth kumar reddy.P  Aravind raj.R |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application usage. | 20 | High | Karthikeyan .k  M.Gunaseelan  Aravind raj.R  Hemanth kumar reddy  Bhavan ramana.E |
| Sprint-2 | Input | USN-3 | Whenever the fire is detected, the information is given to the database. | 20 | High | Karthikeyan .k  M.Gunaseelan  Aravind raj.R  Hemanth kumar reddy  Bhavan ramana.E |
| Sprint-2 |  | USN-4 | When it is the wildfire then the alarming system is activated. | 20 | High | H |

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| **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 |

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Output | USN-5 | And the alarm also sent to the corresponding departments and made them know that the wildfire is erupted. | 20 | High | Karthikeyan .k  M.Gunaseelan  Aravind raj.R  Hemanth kumar reddy  Bhavan ramana.E |
| Sprint-4 | Action | USN-6 | Required actions will be taken in order to controlled erupted wildfire by reaching as early as possible to the destination with the help of detecting systems. | 20 | High | Karthikeyan .k  M.Gunaseelan  Aravind raj.R  Hemanth kumar reddy  Bhavan ramana.E |

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

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

