

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 22 October 2022                                      |
| Team ID       | PNT2022TMID49509                                     |
| Project Name  | Emerging methods for early detection of forest fires |
| 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 | Analysing the forest fire.                           | USN-1             | The researcher who wants to save valuable species in the forest takes necessary actions.                     | 2            | High     | Ashwini. R, Durgadevi. M  |
| Sprint-1 | Preventing the worst forest fires                    | USN-2             | The forest officer is worried about the worst forest fires because it is unable to put off.                  | 2            | High     | Pavithra. G, Pradeepa. H  |
| Sprint-2 | To detect the forest fire                            | USN-3             | The environmentalist can collect various data from the forest to detect fire at the earliest                 | 2            | Medium   | Ashwini. R, Pradeepa. H   |
| Sprint-2 | Can deploy various sensors and camera                | USN-4             | The government can take necessary steps by deploying heat detectors, smoke sensors and cameras in the forest | 2            | High     | Pavithra. G, Durgadevi. M |
| Sprint-3 | Testing and training the forest fire detection model | USN-5             | The programmer can build an forest fire detection model by training the dataset                              | 2            | High     | Ashwini. R, Pavithra. G   |
| Sprint-4 | Notification   | <u>USN-6</u>      | The fire detected by the model can be notified by using message and fire alarm system                        | 2            | High     | Pradeepa. H, Durgadevi. m |

**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      | 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                         |