**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID38167 |
| Project Name | Project -IoT Enabled Smart farming  Applications |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 Gmail, email then you can received the OTP or Verification Code. | 2 | High | Abu Aslam.A Jothika. S Fouzal  Akash |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation Gmail or email once I have registered for the application. | 1 | High | Abu Aslam Jothika Akash Fouzal |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Gmail and phone number. | 2 | Low | Abu Aslam Akash Fouzal  Jothika |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Abu Aslam Jothika Akash  Fouzal |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Abu Aslam Jothika Akash Fouzal |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
|  | Dashboard | USN-6 | Once confirmation message received after login the system and Check Credentials  Once check the credentials after go to the  Manage modules. | 2 | High | Abu Aslam Jothika Akash  Fouzal |
|  |  | USN-7 | In this manage modules described the below functions like Manage System Admins Manage Roles of User Manage User permission and etc.. | 2 | Medium | Abu Aslam Jothika Akash Fouzal |
|  | Logout | USN-8 | Then check Temperature, humidity and moisture after then logout or exist the application. | 1 | Medium | Abu Aslam Jothika Akash  Fouzal |

**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 | 35 | 31 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 45 | 05 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 50 | 07 Nov 2022 |

**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)



**Burndown Chart:**



A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

**https://**[**www.visual-paradigm.com/scrum/scrum-burndown-chart HYPERLINK "http://www.visual-paradigm.com/scrum/scrum-burndown-chart/"/**](http://www.visual-paradigm.com/scrum/scrum-burndown-chart/) **https://**[**www.atlassian.com/agile/tutorials/burndown-charts**](http://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

**https://**[**www.atlassian.com/agile/project-management**](http://www.atlassian.com/agile/project-management) **https://**[**www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](http://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software) **https://**[**www.atlassian.com/agile/tutorials/epics**](http://www.atlassian.com/agile/tutorials/epics) **https://**[**www.atlassian.com/agile/tutorials/sprints**](http://www.atlassian.com/agile/tutorials/sprints) **https://**[**www.atlassian.com/agile/project-management/estimation**](http://www.atlassian.com/agile/project-management/estimation) **https://**[**www.atlassian.com/agile/tutorials/burndown-charts**](http://www.atlassian.com/agile/tutorials/burndown-charts)