**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 9th NOVEMBER 2022 |
| Team ID | PNT2022TMID29748 |
| Project Name | Project –IOT based smart waste management for metropolitan cities |
| 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 email, password, and confirming my password. | 2 | low | Vidhyalakshmi s  Shanmugapriya v |
| Sprint-1 | Login Credentials | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | Low | Yogalakshmi v  Preethi v |
| Sprint-1 | Login | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Shanmugapriya v  Preethi v |
| Sprint-2 | Dashboard | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Vidhyalakshmi s  Yogalakshmi v |
| Sprint-2 | Overall UI | USN-5 | Non functional overall UI developed for userconvenience | 1 | High | Overall team |
| Sprint-2 | Backend development | USN-6 | Giving user semi functional UI of the application | 2 | Medium | Overall team |
| Sprint-3 | Connecting application with cloud | USN-7 | User can experience the semi functional working of the data(from cloud) with application | 2 | Medium | Overall team |
| Sprint-3 | Connecting Devices /Gateways with cloud | USN-8 | User can experience the semi functional working of iot device connected wit application | 2 | High | Overall team |
| Sprint-4 | Debug and Testing | USN-9 | Testing has been done for finding debugs | 2 | High | Overall team |
| Sprint-4 | Testing and deployment | USN-10 | Final testing deployment | 2 | High | Overall team |

**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 | 6 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | To be updated  (to be 6) | 29 Oct 2022 |
| Sprint-2 | 6 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | To be updated  (to be 6) | 05 Nov 2022 |
| Sprint-3 | 4 | 4 Days | 07 Nov 2022 | 12 Nov 2022 | To be updated  (to be 4) | 12 Nov 2022 |
| Sprint-4 | 4 | 4 Days | 14 Nov 2022 | 19 Nov 2022 | To be updated  (to be 4) | 19 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 burndown chart is a graphical representation of work left to do versus time.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DAYS** | **0** | **6** | **12** | **16** | **24** |
| **ACTUAL WORK EFFORT** | **20** | **20** | **14** | **0** | **0** |
| **IDEAL WORK EFFORT** | **20** | **14** | **8** | **4** | **0** |

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