Project Planning Phase

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

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| Team ID | PNT2022TMID11781 |
| Project Name | Smart Waste Management System for Metropolitan Cities |
| Maximum Marks | 8 Marks |

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

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by  entering my email, and password and confirming my password. | 3 | High |
| Sprint-1 |  | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 2 | High |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook. | 2 | Low |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail. | 5 | Medium |
| Sprint 4 |  | USN-5 | As a user, I can register for the application through Twitter. | 2 | Low |
| Sprint-1 | Login | USN-6 | As a user, I can log into the application by entering my email & password | 3 | High |
| Sprint-2 | Dashboard | USN-7 | As a user, I need to give permission to access My Contacts, Location, and Storage. | 5 | High |
| Sprint-2 |  | USN-8 | As a user, I get access to the dashboard which shows a map with marked zones | 5 | High |
| Sprint-1 | Registration | USN-9 | As a management, I need to register my hospitals on the site. | 2 | high |

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** |
| Sprint-3 | Login | USN-10 | As a management, I need to login into my dashboard with my given hospital id and password. | 5 | medium |
| Sprint-2 | Dashboard | USN-11 | As a management, I need to enter the case information of the patient that visits our hospital. | 5 | high |
| Sprint-3 |  | USN-12 | As a management, I need to store all the patient information on the cloud | 5 | high |
| Sprint-2 | Services | USN-13 | As an admin, I need to provide valid information about the pandemic out there. | 5 | high |
| Sprint-3 |  | USN-14 | As an admin, I need to provide medical advice through a chatbot. | 5 | medium |
| Sprint-3 |  | USN-15 | As an admin, I need to provide medical recommendations by collaborating with top hospitals. | 5 | low |
| Sprint-4 |  | USN-16 | As an admin, I need to alert the user when they enter pandemic zones. | 3 | Medium |
| Sprint-3 |  | USN-17 | As an admin, I need to provide preventive measures when they travel through it. | 5 | high |
| Sprint 4 |  | USN-18 | As an admin, I need to provide special services for  premium users by giving services like monitoring health by their smart bands. | 3 | low |
| Sprint-4 | Data collections | USN-19 | As an admin, I need to store all the user information on the cloud | 5 | Medium |
| Sprint-4 |  | USN-20 | As an admin, I need to collect the list of viruses & bacteria present in this world. | 5 | High |

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

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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-1 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 19 Nov 2022 |
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# 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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.