PROJECT PLANNING PHASE

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| --- | --- |
| **DATE** | **02.11.2022** |
| **TEAM ID** | **PNT2022TMID45909** |
| **PROJECT NAME** | **PLASMA DONOR APPLICATION** |
| **MAXIMUM MARKS** | **8 MARKS** |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement** | **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 | High | SHAJITA BEGAM |
|  | USN-2 | As a user, I will receive confirmation email once I have  registeredfor the application | 1 | High | PAVITHRA |
| LOGIN | USN-3 | As a user, I can log into the application by entering email  &password | 1 | High | BIRUNTHA DEVI |
| DASHBOARD | USN-4 | Logging in takes to the dashboard for the logged user. | `2 | High | POOMITHA |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint 2** | **WORK SPACE** | **USN-1** | **Workspace nutrition assistance application** | **2** | **High** | **PAVITHRA** |
| **CONNECTING T0 IBM DB2** | **USN-2** | **Linking database with application** | **2** | **High** | **SHAJITHA BEGAM** |

|  |  |  |  |  |  |  |
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| Sprint 3 |  | **USN-1** | **Wrapping up the server side works of frontend** | **1** | **Medium** | **BIRUNTHA** |
| WATSON ASSISTANT | USN-2 | Creating Chatbot for nutritional facts query and basic problems should be solved | 1 | Medium | SHAJITHA BEGAM |
| SENDGRID | USN-3 | Using SendGrid to send mail to the user about how many calories can eat in every day | 1 | Medium | SHAJITHA BEGAM |
| PLASMA API | USN-4 | To assist application developers wishing to incorporate nutrient data into their applications | 2 | High | SIVA SAKTHI |

DOCKER

US N-1

Creating image of website using docker

2

High

SHAJITHA

BEGAM

CLOUD REGISTRY

US N-2

Uploading Docker image to IBM Cloud registry

2

High

BIRUNTHA

**Sprint**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **4** | KUBERNETES | US N-3 | Create container using the Docker image and hosting the site | 2 | High | PAVITHRA |
|  | EXPOSING | US N-4 | Exposing IP/Ports for the site | 2 | High | SHAJITA BEGAM |

**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 | 03 Oct 2022 | 08 Oct 2022 | 20 | 10 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 16 Oct 2022 | 22 Oct 2022 | 20 | 30 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 13 Nov 2022 | 18 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity**

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Calculating the team’s average velocity (AV).

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𝐴𝑉 = sprint duration

velocity

20

= =3.33

6