**Project Planning Phase**

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

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| --- | --- |
| Date | 03 November 2022 |
| Team ID | PNT2022TMID34104 |
| Project Name | Classifications of Arrhythmia by using deep learning with 2-D ECG Spectral image representation. |
| 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 | User can register for the application by entering through email, application form or phone number. | 10 | High | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R. |
| Sprint-1 | User confirmation. | USN-2 | User will receive a confirmation code through email or OTP. | 10 | High | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R |
| Sprint-2 | User personal information. | USN-3 | User should provide his personal details like name, age, height and weight | 10 | High. | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R |
| Sprint-2 | User login | USN-4 | User can log into the application by entering email & password | 10 | High. | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R |
| Sprint-3 | Cloud storage | USN-5 | The developer must create a storage in cloud for storing customer information. | 10 | High | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R |
| Sprint-3 | Dashboard | USN-6 | User must give the heart condition they are suffering with. All the databases collected are displayed to the user | 10 | High | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R |
| Sprint-4 | Training | USN-7 | Developer must train the software with various datasets and train the system to classify the output. | 10 | Medium | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R |
| Sprint-4 | Applications. | USN-8 | The classified output is given to the user. | 10 | High | Arithra.L.A.  Arathy.M  Asmi Rufina.S  Ajitha.R |

**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 | 20 | 06 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 20 Nov 2022 |

**Velocity: To calculate the team's average velocity per iteration unit**

**Av= Velocity/Sprint duration.**

**Where, Average velocity-story points per day.**

**sprint duration-Number of days for sprints**

**velocity-Points per sprint.**

**Av=20/6=3.333**

**average velocity is 3 points per sprint.**

**Burndown Chart:**

X-axis represents the number of weeks and Y- axis represents the story points.