Project Planning Phase

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

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| Date | 30October 2022 |
| Team ID | PNT2022TMID45689 |
| Project Name | Project - Classification 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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 5 | Medium | Devendiram |
| Sprint-3 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | Medium | Sareshkumar |
| Sprint-4 |  | USN-3 | As a user, I can register for the application through mobile OTP method | 5 | Low | Monisha |
| Sprint-4 |  | USN-4 | As a user, I can register for the application through Gmail | 5 | Medium | Monisha |
| Sprint-3 | Login | USN-5 | As a user, I can log into the application by entering email & password | 3 | Medium | Devendiran, Sareshkumar |
| Sprint-1 | Homepage | USN-6 | As a user, the homepage must properly define the Arrhythmia, its causes and effects and understand how the application helps in solving  the problem. | 5 | High | Monisha |
| Sprint-1 | More Information Page | USN-7 | As a user, I must be able to comprehend all medical jargon related to Arrhythmia such as ECG, Coronary Heart Disease,  Cardiomyopathy and its types. | 5 | High | Monisha |

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-2 | Prediction Page | USN-8 | As a user, I must be able to upload the ECG image for prediction. | 8 | High | Monisha, Sareshkumar |
| Sprint-2 | Results Page | USN-9 | As a user, I must be able to view the results of the classification. For this purpose, an ML model must be trained on the dataset. Also, I  must also receive additional information about the type of arrhythmia. | 13 | High | Monisha, Devendiran |
| Sprint-2 | Contact Page | USN-10 | As a user, I must be directed to further sources of help which would help in the treatment process. | 5 | Medium | Devendiran, Sareshkumar |
| Sprint-4 | Hosting | USN-11 | As a user, it must be accessible on a single website for both mobile, PC users. | 3 | Medium | Devendiran, Sareshkumar |

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 Release Date (Actual)** |
| Sprint-1 | 10 | 6 Days | 24 Oct 2022 | 29 Oct 2022 |  |  |
| Sprint-2 | 26 | 6 Days | 31 Oct 2022 | 05 Nov 2022 |  |  |
| Sprint-3 | 9 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 13 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  |  |