

Project Planning Phase

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

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| Date | 30 October 2022 |
| Team ID | PNT2022TMID23017 |
| Project Name | Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation |
| Maximum Marks | 8 Marks |

| 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 | Lakshman |
| Sprint-3 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | Medium | Kamalesh |
| Sprint-4 | | USN-3 | As a user, I can register for the application through mobile OTP method | 5 | Low | Barath |
| Sprint-4 | | USN-4 | As a user, I can register for the application through Gmail | 5 | Medium | Harish |
| Sprint-3 | Login | USN-5 | As a user, I can log into the application by entering email & password | 3 | Medium | Harish, Barath |
| 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 | Kamalesh |
| 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 | Lakshman |

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| Sprint-2 | Prediction Page | USN-8 | As a user, I must be able to upload the ECG image for prediction. | 8 | High | Kamalesh, Barath |
| 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 | Harish, Barath |
| 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 | Lakshman, Kamalesh |
| Sprint-4 | Hosting | USN-11 | As a user, it must be accessible on a single website for both mobile, PC users. | 3 | Medium | Lakshman Harish |

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 | 10 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 9 | 30 Oct 2022 |
| Sprint-2 | 26 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 24 | 07 Nov 2022 |
| Sprint-3 | 9 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 8 | 14 Nov 2022 |
| Sprint-4 | 13 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 12 | 20 Nov 2022 |