**Project Planning Phase**

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

Date

28 October 2022

Team ID

PNTIBMSQ56

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

**Sprint**

**Functional**

**Requirement (Epic)**

**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, and password, and confirming my password.

10

High

Joseph Matilda John

Sprint-1

E-mail confirmation

USN-2

As a user, I will receive a confirmation email once I have registered for the application

10

Medium

Jersha.J

Sprint-2

Login

USN-3

As a user, I can log into the application by entering my email & password

5

High

Laevi Jerisha.A

Sprint-2

Upload Images

USN-4

As a user,I should be able to upload the image of ECG.

10

High

Meera Reeshman.P

Sprint-2

Dashboard

USN-5

As a user, based on my requirement I can navigate through the dashboard.

5

Medium

Jersha.J ,

Laevi Jerisha.A

Sprint-3

Train the model

Task 1

As a developer, the dataset will be uploaded and trained by developed algorithm.

20

High

Laevi Jerisha.A

Joseph Matilda John

Sprint-4

Testing & Evaluation

Task 2

As a developer, we tested the trained model using the provided dataset and model will be evaluated for accurate results.

10

High

Joseph Matilda John

Meera Reeshman.P

Sprint-4

Display predicted result

USN-6

As a user, I can view the predicted result in the dashboard.

10

High

Meera Reeshman.P

Jersha.J

**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

1 Nov 2022

5 Nov 2022

20

29 Oct 2022

Sprint-2

20

6 Days

6 Nov 2022

10 Nov 2022

20

05 Nov 2022

Sprint-3

20

6 Days

11 Nov 2022

17 Nov 2022

20

12 Nov 2022

Sprint-4

20

6 Days

18 Nov 2022

25 Nov 2022

20

19 Nov 2022

**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)

AV=20/6=3.33points 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time. **https://www.visual-paradigm.com/scrum/scrum-burndown-chart/ https://www.atlassian.com/agile/tutorials/burndown-charts**