Project Planning Phase
(Product Backlog, Sprint Planning, Stories, Story points)

Date	24 October 2022
Team ID	PNT2022TMID52880
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation.

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Model Deployment	USN-10	The final model is deployed for the end user to use it.	2	High	Abiisek M Kamya H Girish babu B Keerthana Reddy R
Sprint-4	Storage	USN-9	As a user, I can access my images stored from Google drive.	1	Medium	Abiisek M Kamya H Girish babu B Keerthana Reddy R
Sprint-3	Registration	USN-8	As a user, I can upload my images to be analyzed in the website.	1	Low	Abiisek M Girish Babu B
Sprint-3	Registration	USN-7	As a user, I can access the application through website.	1	Medium	Keerthana Reddy R Kamya H
Sprint-2	Testing & Evaluation	USN-6	As a developer, we tested the trained model using the provided dataset andmodel will be evaluated for accurate results.	2	High	Kamya H Abiisek M
Sprint-2	Train the model	USN-5	As a developer, the dataset will be uploaded and trained by developedalgorithm.	2	High	Girish Babu B Keerthana Reddy R
Sprint-2	Initialize the Model	USN-4	Initializing the Image recognition model	1	Low	Abiisek M Kamya H

Sprint-1	Registration	USN-3	As a user, I am able to upload the necessary images.	2	High	Keerthana Reddy R
Sprint-1	Dashboard	USN-2	As an Admin, I gave user all the data available to run the test.	2	High	Abiisek M Girish babu B
Sprint-1	Dashboard	USN-1	As an Admin, I can manage the Arrhythmia Classification details. If normal or abnormal the UI model will share the result for the dashboard.	2	High	Abiisek M Girish babu B

Project Tracker, Velocity & Burndown Chart:

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	5 Days	24 Oct 2022	28 Oct 2022	20	28 Oct 2022
Sprint-2	20	5 Days	31 Oct 2022	04 Nov 2022	20	04 Nov 2022
Sprint-3	20	5 Days	07 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	20	5 Days	14 Nov 2022	18 Nov 2022	20	18 Nov 2022

Velocity:

To calculate the team's **average velocity (AV)** per iteration unit

$$AV = \frac{sprint\ duration}{velocity}$$

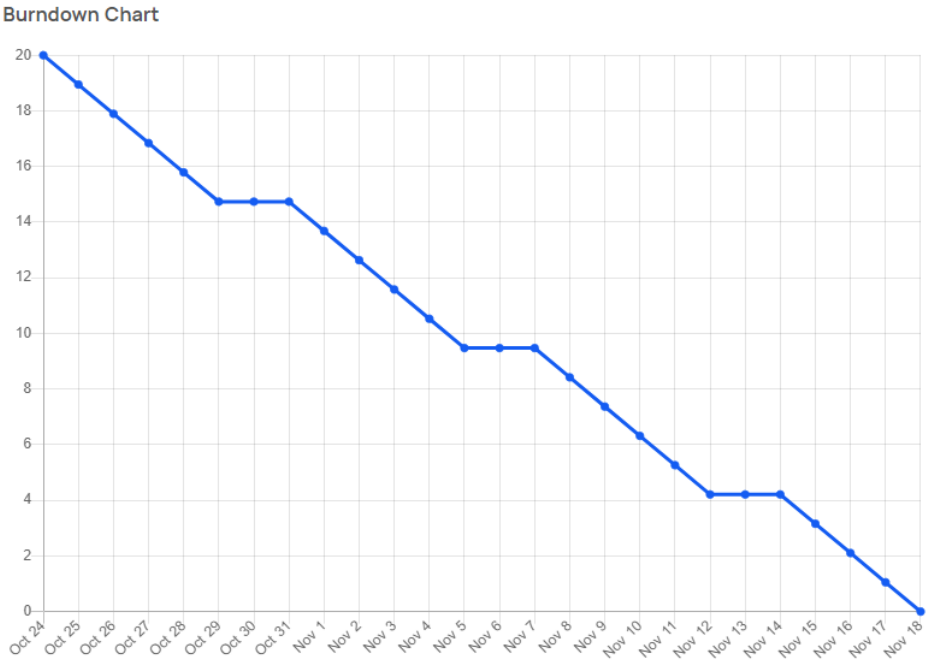
Where,

Average Velocity - Story points per day
Sprint duration - Number of days (Duration) for Sprints
Velocity - Points per Sprint

$$Av = 20/5 = 4$$

Average Velocity is 4 **points per Sprint**

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. For other Sprints it will be submitted through JIRA..