PROJECT PLANNING PHASE:

Project planning template(product backlog,sprint planning,stories,story points

Date	30 October 2022
Team ID	PNT2022TMID33883
Project name	Real time communication system powered by artificial intelligence for specially abled.
Maximum marks	8 marks

Product backlog,Sprint Schedule and estimation (4 marks)

Sprint	Functional requirement	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.	4	Low	Priya S
Sprint-1	Email confirmation	USN-2	As a user,I will receive a confirmation email once I have registered for the application.	4	Low	Shree Sorna V
Sprint-1	Login page	USN-3	As a user,I can log into the application by entering my email and password.	6	Medium	Tamizhanbu M
Sprint-2	Dashboard	USN-4	As a user,based on my requirement I can navigate through the dashboard.	4	High	Thangamari S
Sprint-2	Data collection	USN-5	Collecting dataset and uploading	5	High	Priya S

Sprint-2	Image processing	USN-6	Perform preprocessing technique on the dataset for building the model.	5	High	Shree Sorna V
Sprint-3	Model building	USN-7	Model initialization with required layers.create and add different layers to the neural network models .	5	High	Tamizhanbu M
Sprint-3	Training	USN-8	Training the image classification model using CNN and downloading the stored model to the system.	5	Medium	Thangamari S
Sprint-3	Testing	USN-9	Testing the models performance by passing the image to get predictions	10	High	Thangamari S
Sprint-4	Application building	USN-10	Now we will be building a Flask application that is used for building our UI which in the back end can be interfaced to the model to get predictions.	6	High	Priya S
Sprint-4	Contact us About us	USN-11	The user can contact us for further queries or information about the developers and their current progress	5	High	Shree Sorna V
Sprint-4	Deployment of model in web/app	USN-12	Converting the text to speech API	10	Medium	Tamizhanbu M

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint start date	Sprint End Date	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	05 nov 2022
Sprint-3	20	6 days	07 nov 2022	12 nov 2022	20	12 nov 2022
Sprint-4	20	6 days	14 nov 2022	19 nov 2022	20	14 nov 2022

Velocity:

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

AV= Velocity / Sprint duration

Where,

Average Velocity - Story points per day

Sprint duration-number of days(duration)for Sprints

Velocity - Points per Sprint

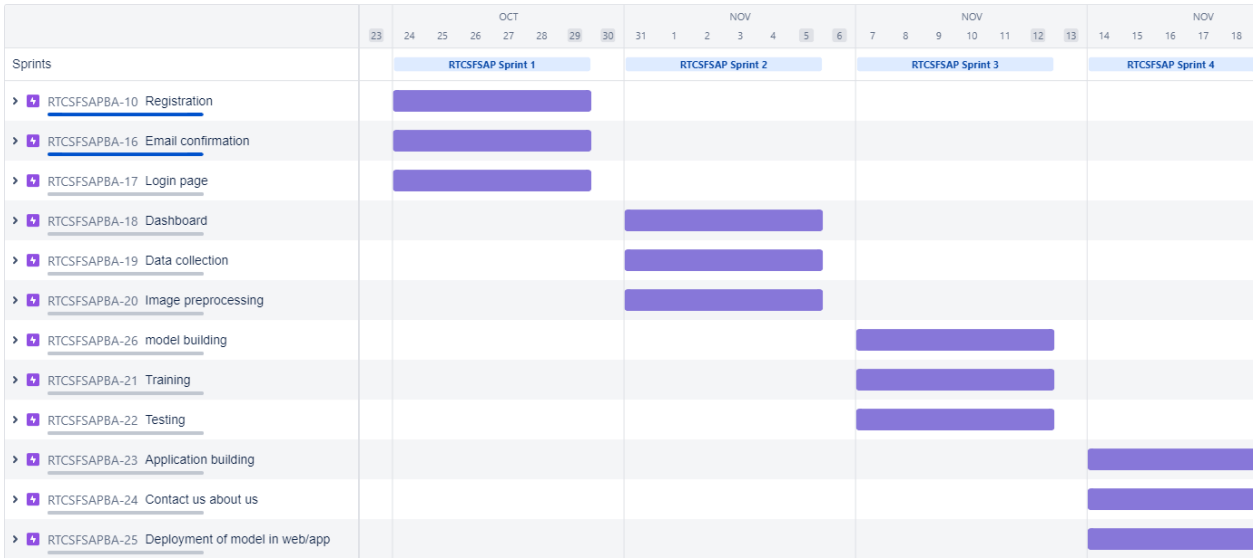
Av=20 / 6

= 3.3

Burndown Chart:

A burndown 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.

Burndown Chart:


OCT
NOV
NOV
NOV
23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Sprints
RTCSFSAP Sprint 1
RTCSFSAP Sprint 2
RTCSFSAP Sprint 3
RTCSFSAP Sprint 4
RTCSFSAPBA-10 Registration
RTCSFSAPBA-16 Email confirmation
RTCSFSAPBA-17 Login page
RTCSFSAPBA-18 Dashboard
RTCSFSAPBA-19 Data collection
RTCSFSAPBA-20 Image preprocessing
RTCSFSAPBA-26 model building
RTCSFSAPBA-21 Training
RTCSFSAPBA-22 Testing
RTCSFSAPBA-23 Application building
RTCSFSAPBA-24 Contact us about us
RTCSFSAPBA-25 Deployment of model in web/app