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

Date	22 October 2022
Team ID	PNT2022TMID49634
Project Name	Real time communication powered by AI for specially abled people
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Download data set	USN-1	The data is downloaded from the Kaggle website and then the data set is classified into training and testing images.	10	High	A.K.Renuha Nivetha
Sprint-1	Image pre-processing	USN-1	In Image processing technique the first step is usually importing the libraries that will be needed in the program. Import Keras library from that library and import the ImageDataGenerator Library to your Python script. The next step is definig the arguments for the ImageDataGenerator . Here the arguments which we are given inside the image data generator class	10	High	A.K.Renuha Nivetha S.Safiya M.Karthika A.HaryVarsine

			are, rescale, shear_range, rotation range of image, and zoom range that we can consider for images. The next step is applying the ImageDataGenerator arguments to the train and test dataset.			
Sprint-2	Training image	USN-2	In this training phase the ImageDataGenerator arguments is applied to the training images and the model is tested with several images and the model is saved.	20	High	A.K.Renuha Nivetha S.Safiya M.Karthika A.HaryVarsine
Sprint-3	Testing image and prediction	USN-3	In this testing phase the Image processing techniques is applied to the testing images and executed for prediction.	20	High	A.K.Renuha Nivetha S.Safiya M.Karthika A.Haryvarsine
Sprint-4	Application Building	USN-4	Build A Flask Application by Load the required packages Initialize graph, load the model, initialize the flask app and load the video Configure the home page and Build an HTML page to display the processed video on the screen, so that the person can show signs which can be detected.	20	High	A.K.Renuha Nivetha S.Safiya M.Karthika A.Haryvarsine

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	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	19 Nov 2022

Velocity:

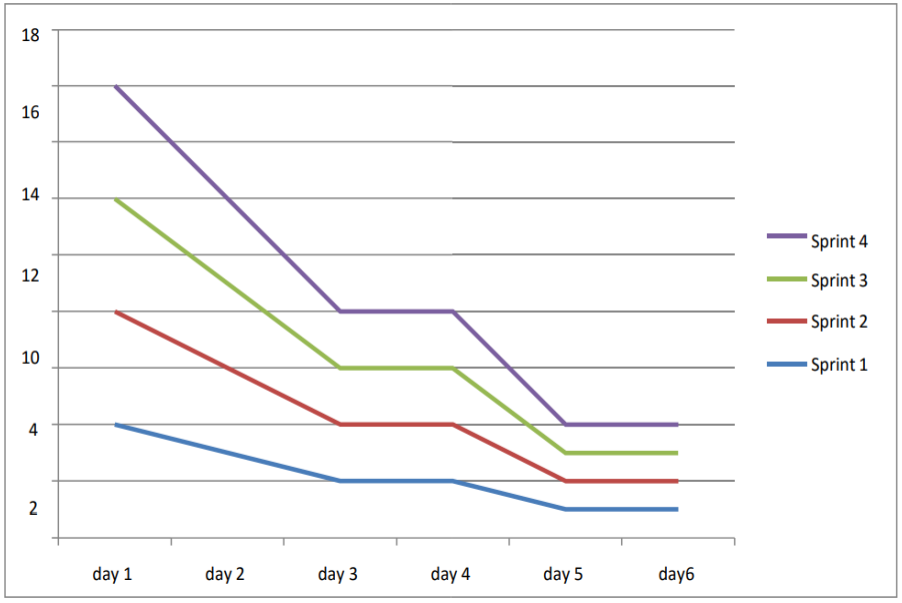
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

AV = Sprint Duration / velocity = 20/6 = 3.33

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

SPRINT SCHEDULE CHART:



SPRINT BURNDOWN CHART: