## **Project Planning Phase**

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

Date	02 November, 2022
Team ID	PNT2022TMID08044
Project Name	DEEP LEARNING FUNDUS IMAGE ANALYSIS FOR EARLY DETECTION OF DIABETIC RETINOPATHY
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 using government certified IDs.	6	High	Tejaswini	
Sprint-1	Authentication	USN-2	As a user, I will authenticate using ID credentials.	8	High	Varsha,	
						Tejaswini	
Sprint-1	Login	USN-3	With the credentials the user can login easily.	6	Low	Varshini	
Sprint-2	Training the system	USN-4	Model is trained with all different images of diabetic retinopathy and in different dimensions.	10	Medium	Kala sree,	
						Tejaswini	
Sprint-2	Implementation	USN-5	The model is implemented to check its working and accuracy.	10	Medium	Varsha,	
						Varshini	

Sprint	Functional User Story User Story / Task Requirement (Epic) Number		Story Points	Priority	Team Members	
Sprint-3	Classification	USN-6	Classify the images into Normal images and DR images	10	High	Tejaswini,
						Varshini
Sprint-3	Prediction	USN-7	Predict the output of which DR level will be the output	10	High	Kala sree,
Sprint-4	Final Output	USN-8	On accurate detection of diabetic retinopathy in early time will be save the eye-vision	10	High	Varsha, Kala sree
Sprint-4	Controls and has overview of entire process	USN-9	The customer needs are checked and satisfied. Handle any sort of emergency and get it fixed.	5	Medium	Varsha
Sprint-4	Database	USN-10	All the past datas are collected and stored for future reference.	5	Low	Kala sree

## 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	7 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	20	7 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022

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-3	20	7 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	7 Days	14 Nov 2022	19 Nov 2022	20	20 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

# Average velocity(AV)= 20/7=2.85

#### **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.

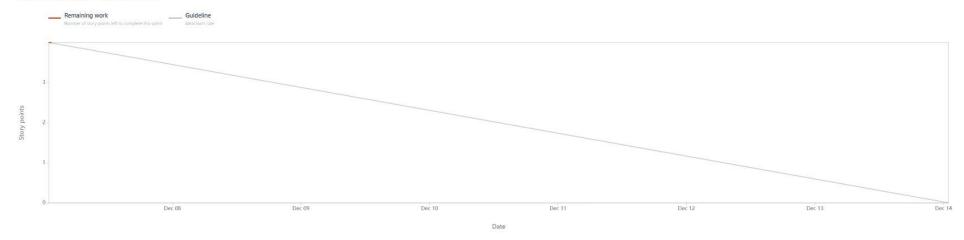
#### Sprint burndown chart

Sprint Estimation field

DLFIAFED Sprint 4 • Story points •

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Date - November 14th, 2022 - November 21st, 2022



Report: DLFIAFED Sprint 4

Scope changes log

Date: Key: Summary: Issue type: Epic: Details of scope change: Change in estimation

Empty