Project Planning Phase

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

Date	08 November 2022
Team ID	PNT2022TMID39247
Project Name	Early Detection of Chronic Kidney Disease using Machine learning
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	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	New user enters into the System. He/ She can register into the Application by entering user details such as username and mobile number	2	High	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S
Sprint-2	User Verification	USN-2	The user will receive OTP through SMS.	3	High	Gayathri K Jeevith E V Rathina Priya M Kadhar Beck S

Sprint-1	Login	USN-3	After Successful registration the user can Log into the application by entering the registered Username and Password	2	High	Gayathri K Jeevitha E V Rathina priya M Kadhar Beck S

Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-1		USN-4	CAPTCHA will be provided to reduce the network traffic.	2	Medium	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S
Sprint-2	Dashboard	USN-5	User can get into the Dashboard only when the Verification Successful. After the user can access the displayed information in the Dashboard	3	Medium	Gayathri K Jeevitha E V Rathina PRIYA M Kadhar Beck S
Sprint-3	Data collection	USN-6	Diagnosed result data will be entered by the user.	2	Medium	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S
Sprint-4	Prediction result	USN-7	By the collected data the trained model will predict and display the result.	2	High	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S

Sprint-4		USN-8	Based on the result the suggestion varies.	2	Low	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S
Sprint-1	Dataset Collection	USN-9	Chronic Kidney Disease dataset identification	2	High	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S

Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-1	Clean the Dataset	USN-10	The dataset had to be cleaned. Cleaning process includes removing null values, Replacing missing values, segregation of test and train data.	3	High	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S
Sprint-2	Train ML Model in IBM	USN-11	The model will be trained in IBM.	4	High	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S
Sprint-3	Model Testing	USN-12	The model will be tested using the test data	3	High	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S

Sprint-3	Integration	USN-14	HTML file and python Code Integration	2	Medium	Gayathri k Jeevitha E V Rathina Priya M Kadhar Beck S
Sprint-4	Deployment	USN-15	The model will be deployed in Cloud	3	Medium	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck s
Sprint-4	Further Clarification	USN-16	The problems which are faced by the user while using the application can be clarified	2	Medium	Gayathri K Jeevitha E V Rathina Priya M Kadhar Beck S

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	11	6 Days	24 Oct 2022	29 Oct 2022	11	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	7	6 Days	07 Nov 2022	12 Nov 2022	7	07 Nov 2022
Sprint-4	9	6 Days	14 Nov 2022	19 Nov 2022	9	14 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)

Sprint 1 AV = Sprint duration/velocity = 11/6 = 1.83

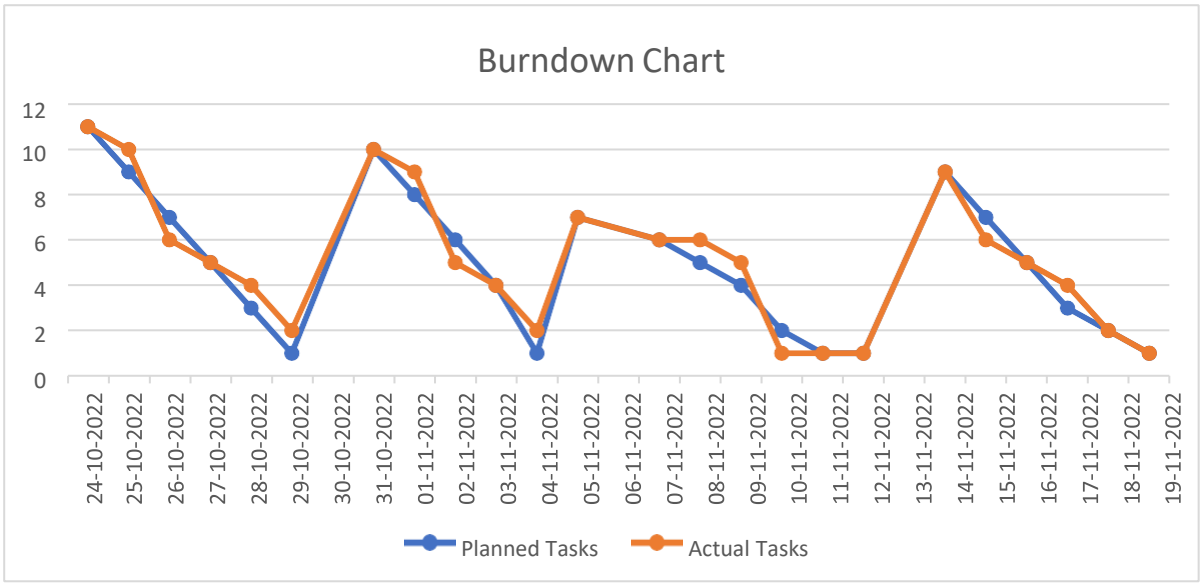
Sprint 2 AV = Sprint duration/velocity = 10/6 = 1.67

Sprint 3 AV = Sprint duration/velocity = 7/6 = 1.16

Sprint 4 AV = Sprint duration/velocity = 9/6 = 1.5

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.


Burndown Chart
12
10
8
6
4
2
0
24-10-2022
25-10-2022
26-10-2022
27-10-2022
28-10-2022
29-10-2022
30-10-2022
31-10-2022
01-11-2022
02-11-2022
03-11-2022
04-11-2022
05-11-2022
06-11-2022
07-11-2022
08-11-2022
09-11-2022
10-11-2022
11-11-2022
12-11-2022
13-11-2022
14-11-2022
15-11-2022
16-11-2022
17-11-2022
18-11-2022
19-11-2022
Planned Tasks
Actual Tasks