Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID53276
Project Name	Project - Early Detection of Chronic Kidney Diseases 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 (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Home Page Development	USN-1	Creation of Home page with Description given about the fatality of chronic kidney diseases and statistics provided on the same	8	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-1		USN-2	Information about various kidney diseases and most common symptoms	4	Medium	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-1		USN-3	Rundown on the steps and procedure to be followed by the user before they begin the process	4	Medium	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-1		USN-4	About the model, accuracy, predictions made etc	4	Medium	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	User Registration	USN-5	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-2	User Login	USN-6	As a user, I can log into the application by entering email & password	10	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-4	Data Collection	USN-7	As a user, I can input details about my health for disease prediction	5	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-4	Output Prediction	USN-8	As a user, I can view results	5	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-4	Further Steps	USN-12	As a user, i can get guidance from experts based on my need	5	Medium	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-4		USN-13	As a developer, i should record the results of the user for future requirements	5	Medium	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-3	Model Building	USN-9	As a developer, need to find out the right machine learning algorithm to make accurate predictions	10	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Model Training	USN-10	As a developer, need to train and test the model with the available dataset	5	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P
Sprint-3	Model Integration	USN-11	As a developer, need to integrate the model to the website to present results to the user	5	High	Sri Kavya Hariharan Yuvan Arvind Vibha V K Shalini P

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

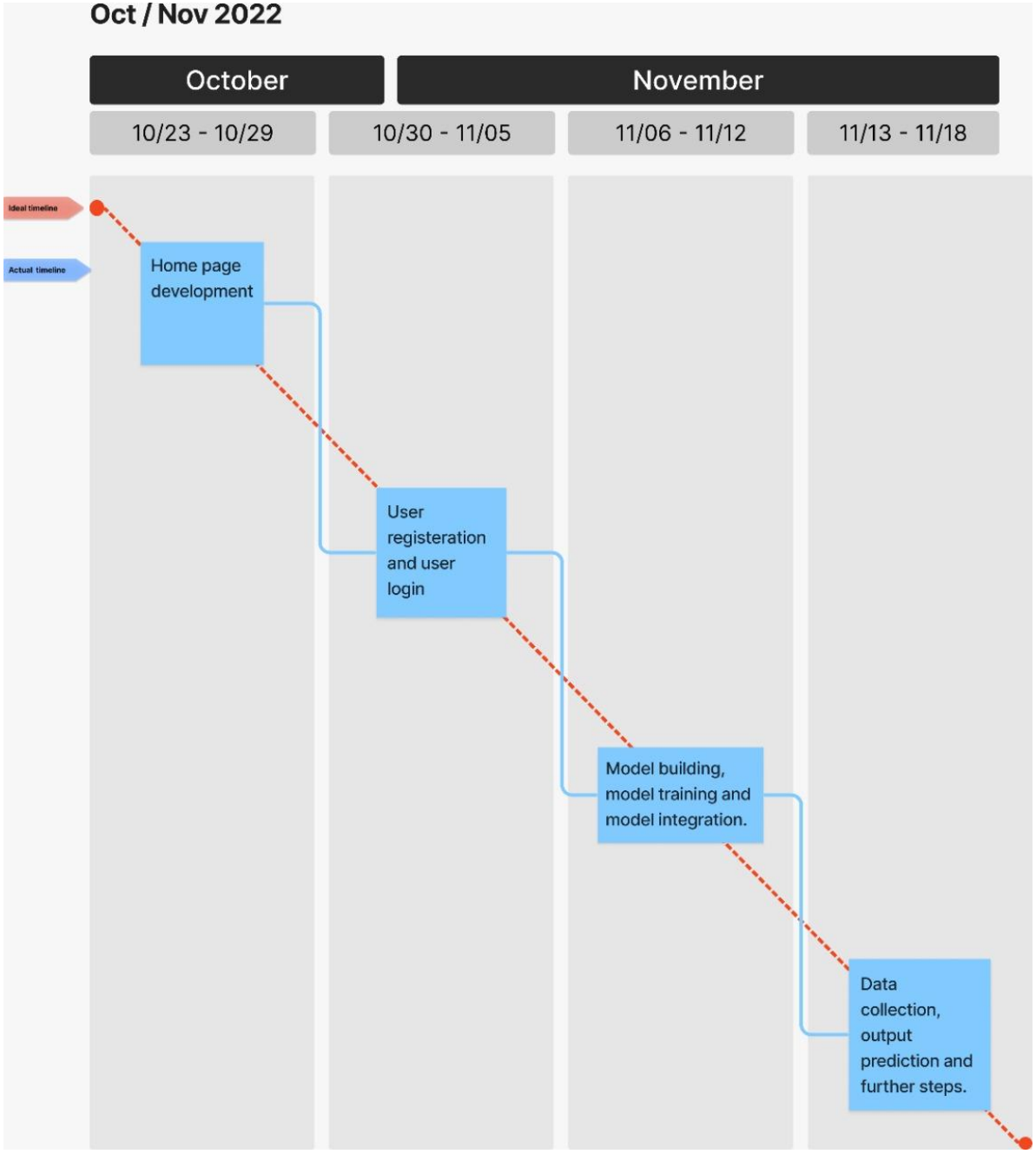
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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 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.


Oct / Nov 2022
October
November
10/23 - 10/29
10/30 - 11/05
11/06 - 11/12
11/13 - 11/18
Ideal timeline
Actual timeline
Home page development
User registeration and user login
Model building, model training and model integration.
Data collection, output prediction and further steps.