Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID50020
Project Name	Project – Early Detection of Chronic Kidney Disease
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	User enter in to the website they must fill the mail id, username and password,	2	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-2	User Verification	USN-2	The user will receive OTP through mail notification.	3	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-1	Login	USN-3	After Successful registration the user can Login to the application by entering the registered Username and Password	2	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Website	USN-4	User can get into the Website only when the Verification Successful. After the user can access the information in the website.	3	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-3	Collect user datas	USN-5	Diagnose the result based on the user data.	3	High	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-4	Detection of Results	USN-6	Based on collected data the trained model will predict and display the result.	2	High	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-4	Suggestions	USN-7	Based on the result their suggestions and remedies are varies	2	Low	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-1	Dataset Collection	USN-8	Detection of chronic kidney disease.	2	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Clean the Dataset	USN-9	The dataset had to be cleaned. Cleaning process includes removing null values, Replacing missing values, seperation of test and train data.	3	Mediium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-2	Train Machine Learning Model in IBM	USN-10	The model will be trained in IBM cloud.	4	High	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-3	Test the model	USN-11	The model will be tested using the dataset	3	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-3	Integration	USN-12	HTML file and python Code Integration	2	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju
Sprint-4	Deployment	USN-13	The model will be deployed in Cloud	3	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju

Sprint-4	Feedback	USN-14	The issues are faced by the user while using the application can be clarified	2	Medium	S.Rubashree, S.Sudarmathi, S.Sathya, C.Raju

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	9	6 Days	23 Oct 2022	28 Oct 2022	9	28 Oct 2022
Sprint-2	10	8 Days	29 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	8	6 Days	05 Nov 2022	11 Nov 2022	8	11 Nov 2022
Sprint-4	9	7 Days	12 Nov 2022	19 Nov 2022	9	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)

Sprint 1 AV = Sprint duration/velocity = 9/6 = 1.5

Sprint 2 AV = Sprint duration/velocity = 10/8 = 1.25

Sprint 3 AV = Sprint duration/velocity = 8/6 = 1.33

Sprint 4 AV = Sprint duration/velocity = 9/7 = 1.28

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.