

Project Planning Phase

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

Date	02 November 2022
Team ID	PNT2022TMID04381
Project Name	Early Detection of Chronic Kidney Disease Using Machine Learning

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Registration	USN-1	I can register for the application by entering my name, mobile number, email, password, and confirming my password - user	10	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S
Sprint-2		USN-2	I can register for the application through Gmail - user	5	Medium	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S
Sprint-1	User Confirmation	USN-3	I will receive a confirmation email once I have registered for the application - user	10	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S
Sprint-2		USN-4	I will receive confirmation OTP to verify the identity. - user	5	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S
Sprint-2	Data Collection	USN-5	I will enter the input data for disease prediction in the form - user	10	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Provide output to the user	USN-6	I will get the result of disease prediction in the dashboard - user	10	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S
Sprint-3	Data Analysis	USN-7	I will develop modules to preprocess and store the data - admin	10	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S
Sprint-4	Prediction of disease	USN-8	I will build a Machine Learning model to predict the disease - admin	10	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S
Sprint-4	Final Delivery	USN-9	Deploy the application in IBM cloud and make it available for use.	10	High	Kowsalya S Muthupriyanka R Manodharshini S Ishwarya S

Project Tracker, Velocity & Burndown Chart

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		
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:

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). The team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint duration/velocity} = 20 / 6 = 3.33$$

Burndown Chart

October / November 2022

