

## Project Planning Phase

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

Date	02 October 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

