

## Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID53417
Project Name	Project – 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 (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Collection of Dataset	USN-1	I need to collect dataset from IBM resource	3	High	Sudarshan SriReghan Srivathsan Thinesh Babu
Sprint-1	Data Pre-Processing	USN-2	I need to take raw data and transform it into a format that can be understood and analyzed by machine learning algorithms	6	High	Sudarshan SriReghan Srivathsan Thinesh Babu
Sprint-2	Exploratory Data Analysis (EDA)	USN-3	I need to do Exploratory Data Analysis to obtain the main characteristics	8	Medium	Sudarshan SriReghan Srivathsan Thinesh Babu
Sprint-2	Model Building	USN-4	I need to explore the type of algorithms which can be used to train and test the model for providing the best accurate results	13	High	Sudarshan SriReghan Srivathsan Thinesh Babu

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	UI Designing	USN-5	As a developer, I need to design a simple and understandable UI	3	Medium	Sudarshan SriReghan Srivathsan Thinesh Babu
Sprint-3	UI Integration	USN-6	As a developer, I need to integrate the user interface and the model developed using machine learning algorithms	5	Medium	Sudarshan SriReghan Srivathsan Thinesh Babu
Sprint-4	Dashboard	USN-7	As a user, I will be able to enter my test results as input which will be used for prediction	5	High	Sudarshan SriReghan Srivathsan Thinesh Babu
Sprint-4	Result	USN-8	As a user, I will receive whether chronic kidney disease is there or not	5	High	Sudarshan SriReghan Srivathsan Thinesh Babu

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	9	6 Days	24 Oct 2022	29 Oct 2022	20	29 oct 2022
Sprint-2	21	6 Days	31 Oct 2022	05 Nov 2022	20	05 nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	20	12 nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	20	19 nov 2022