

## **PROJECT PLANNING PHASE**

**(Product backlog, sprint planning , stories , stories point)**

<b>Date</b>	<b>03-11-2022</b>
<b>Team Id</b>	<b>PNT2022TMID31803</b>
<b>Project title</b>	<b>Early detection of chronic kidney disease using machine learning</b>
<b>Maximum mark</b>	<b>8 marks</b>

### **PRODUCT BACKLOG, SPRINT DELIVERY, ESTIMATION (4MARKS):**

<b>Sprint</b>	<b>Functional requireme nt (Epic)</b>	<b>User story number</b>	<b>User story andtasks</b>	<b>Story point</b>	<b>priority</b>	<b>Team member</b>
<b>Sprint 1</b>	Data collection	USN 1	Use dataset from Google and clean the dataset	<b>110</b>	High	GOKUL R
<b>Sprint 1</b>	Model	USN 2	Create, test and save the model	<b>10</b>	High	GOKUL R
<b>Sprint2</b>	Display	USN 3	Display user entry form to user	<b>6.7</b>	High	SUPRAJA S, SASIDHARAN M,GOKUL R
<b>Sprint2</b>	Enter data	USN 4	Receive data from user as numeric values	<b>6.7</b>	High	SUPRAJA S, SASIDHARAN M
<b>Sprint2</b>	Enter data	USN 5	Receive data from user as selection from pull down menu	<b>6.7</b>	High	SASIDHARAN M, SURESH T,GOKUL R
<b>Sprint 3</b>	Select	USN 6	As a user can select prediction	<b>10</b>	Medium	SURESH T,GOKUL R
<b>Sprint 3</b>	View data	USN 7	As a user can view final result	<b>10</b>	Medium	SURESH T,GOKUL R
<b>Sprint 4</b>	Application building for project	USN 8	Deploy into IBM cloud	<b>20</b>	High	GOKUL R

## Project tracker , velocity :

Sprint	Total story points	duration	Sprint start date	Sprint end date (planned)	Story point 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	20	05-nov- 2022
Sprint 3	20	6 days	07-nov- 2022	12-nov- 2022	20	12-nov- 2022
Sprint 4	20	6 days	14-nov- 2022	19-nov- 2022	20	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)

$$AV = \text{SPRINT DURATION} / \text{VELOCITY} = 20/10 = 2$$

$$AV \text{ of CKD Project} = 20/6 = 3.33$$

**Burndown chart:**

