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

Date	26 October 2022
Team ID	PNT2022TMID01260
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	New user enters into the System He/ She can register into the Application by entering mail Id and Password.	8	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR
Sprint-1		USN-2	The user will receive conformation Email	5	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR
Sprint-1	Login	USN-3	After Successful registration the user can Log into the application by entering the registered Mail Id and Password	8	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-4	User can get into the Dashboard only when the Verification Successful. After the user can access the displayed information in the Dashboard.	8	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR
Sprint-2	Diagnosis Form	USN-5	As a user, I must enter my pre-diagnostic test results to give as required.	10	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR
Sprint-3	Report	USN-6	As a user, I can view the report generated by the tool	7	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Quality Assurance	USN-8	As a user they have some credibility issues while using application.	8	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR
Sprint-3	Train Model	USN-9	As an administrator, I must use the most suitable ML model for detection of CKD	9	High	BARATHKUMAR AVINASH FENIX RAJA SINGH ARUNKUMAR

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on	Sprint Release Date (Actual)

					Planned End Date)	

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

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 6-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)

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}}$$

Sprint	Average Velocity
Sprint-1	6.6
Sprint-2	8
Sprint-3	7.5
Sprint-4	8

Total Average Velocity=7.5

ROADMAP:

Sprints	OCT				OCT							NOV							NOV							NOV								
	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Sprint 1   Sprint 2   Sprint 3   Sprint 4

NAL-10 CKD prediction Model

- ☑ NAL-12 Data Preprocessing — TO DO
- ☑ NAL-13 Data Visualization — TO DO
- ☑ NAL-14 Train CKD Prediction Model — TO DO
- ☑ NAL-15 Test the Model — TO DO
- ☑ NAL-16 Save the Model — TO DO
- ☑ NAL-11 Data Collection — TO DO

NAL-17 Registration

- ☑ NAL-18 Registration Page — TO DO
- ☑ NAL-19 User Authentication — TO DO

NAL-20 Login

- ☑ NAL-25 Login Page — TO DO
- ☑ NAL-26 User Authentication — TO DO

NAL-21 DashBoard

- ☑ NAL-27 Dashboard Page — TO DO

NAL-22 Disease Prediction

- ☑ NAL-28 Disease Prediction Page — TO DO

NAL-23 Testing

- ☑ NAL-29 Testing the Application — TO DO

NAL-24 Deploy Model

- ☑ NAL-30 Deploy Model in cloud — TO DO

BURNDOWN CHART:

Burndown Chart