PROJECT PLANNING PHASE

SPRINT DELIVERY PLAN

DATE	30 OCTOBER 2022
TEAM ID	PNT2022TMID32429
PROJECT NAME	EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING
MAXIMUM MARKS	8

PRODUCT BACKLOG,SPRINT SCHEDULE ,AND ESTIMATION (4MARKS)

SPRINT	FUNCTIONAL REQUIREMENT	USER STORY NUMEBR	USER STORY	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 user details such as username and mobile number.	2	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-2	USER VERIFICATION	USN-2	The user will receive OTP through SMS.	2	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-1	LOGIN	USN-3	After Successful registration the user can Log into the application by entering the registered Username and Password	4	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-1		USN-4	CAPTCHA will be provided to reduce the network traffic.	2	MEDIUM	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-2	DASHBOARD	USN-5	User can get into the Dashboard only when the Verification Successful. After the user can access the displayed information in the Dashboard	3	MEDIUM	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J

SPRINT-3	DATA COLLECTION	USN-6	Diagnosed result data will be entered by the user.	4	MEDIUM	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-4	PREDICTION RESULT	USN-7	By the collected data the trained model will predict and display the result.	2	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-4		USN-8	Based on the result the suggestion varies	3	LOW	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-1	DATASET COLLECTION	USN-9	Chronic Kidney Disease dataset identification	4	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-1	CLEAN THE DATASET	USN-10	The dataset had to be cleaned. Cleaning process includes removing null values, Replacing missing values, segregation of test and train data.	2	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-2	TRAIN ML MODEL IN IBM	USN-11	The model will be trained in IBM.	2	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-3	MODEL TESTING	USN-12	The model will be tested using the test data	3	HIGH	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-3	INTEGRATION	USN-13	HTML file and python Code Integration	5	MEDIUM	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J
SPRINT-4	DEPLOYMENT	USN-14	The model will be deployed in Cloud	2	MEDIUM	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J

SPRINT-4	FURTHER CLARIFICATION	USN-15	The problems which are faced by the user while using the application can be clarified	3	MEDIUM	KIRANMAI R MEENA PREYA S ROJINI M ROVIGA J

PROJECT TRACKER, VELOCITY & BURNDOWN CHART(4 MARKS)

SPRINT	TOTAL STORY POINTS	DURATION	SPRINT START DATE	SPRINT END DATE	STORY POINTS COMPLETED(AS ON PLANNED END DATE)	STORY RELEASE DATE(ACTUAL)
SPRINT-1	14	10DAYS	24 OCT 2022	29 OCT 2022	14	29 OCT 2022
SPRINT-2	7	10DAYS	31 OCT 2022	05 NOV 2022	7	05 NOV 2022
SPRINT-3	12	10DAYS	07 NOV 2022	12 NOV 2022	12	07 NOV 2022
SPRINT-4	10	10DAYS	14 NOV 2022	19 NOV 2022	10	14 NOV 2022

VELOCITY

Team’s average velocity(AV) per iteration unit(story points per day).

Sprint 1 AV=sprint duration/velocity=14/10=1.4

Sprint 2 AV=sprint duration/velocity=7/10=0.7

Sprint 3 AV=sprint duration/velocity=12/10=1.2

Sprint 4 AV=sprint duration/velocity=10/10=1

BURNDOWN CHART:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.