**PROJECT PLANNING PHASE**

**SPRINT DELIVERY PLAN**

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| 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)**

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| 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)**

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| 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.