PROJECT PLANNING PHASE

Project Planning (Product Backlog, Spring Planning, Stories, Story Points

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| --- | --- |
| **Date** | 29th October, 2022 |
| **Team ID** | PNT2022TMID39493 |
| **Project Name** | Machine Learning – Based Predictive Analytics  for Aircraft Engine |
| **Maximum Marks** | 8 Marks |

Product Backlog, Sprint Schedule and Estimation (4 Marks)

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| --- | --- | --- | --- | --- | --- |
| SPRINT NO | FUNCTION PERFORMED | TASK | STORY POINTS | PRIORITY | TEAM MEMBERS |
| SPRINT-1 | Data Collection and processing | The needed data for processing and cleaning of the same has been done | 20 | High | Premkumar,bhuvaneshwaran,prasanth |
| SPRINT-2 | Model Building | Splitting of data into two sets and testing of the data is done | 20 | High | Gokul ,musraf |
| SPRINT-3 | Integrating with flask | Python has been integrated with flask framework | 20 | High | Prasanth,premkumar,gokul |
| SPRINT-4 | Deployment of code | Deployment of code has been done | 20 | High | Mushraf ,bhuvaneshwaran |

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

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| --- | --- | --- | --- | --- | --- | --- |
| **SPRINTS** | **TOTAL STORY POINTS** | **DURATION** | **SPRINT START DATE** | **SPRINT END DATE (PLANNED)** | **STORY POINTS 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 | 10 NOV 2022 | 20 | 10 NOV 2022 |
| Sprint – 4 | 20 | 6 DAYS | 14 NOV 2022 | 18 NOV 2022 | 20 | 18 NOV 2022 |

VELOCITY :

SPRINT DURATION : 6 Days

VELOCITY OF THE TEAM : 20 (Points per Sprint)

TOTAL AVERAGE VELOCITY :

𝐴𝑉 = 𝑠𝑝𝑟𝑖𝑛𝑡 𝑣𝑎𝑙𝑢𝑎𝑡𝑖𝑜𝑛 = 20 = 3.33 Story points per day

𝑣𝑒𝑙𝑜𝑐𝑖𝑡𝑦 6

BURNDOWN CHART :

