**Project planning phase**

**Project Planning Template (Product Backlog , Sprint Planning , Story ,**

**Story Points)**

|  |  |
| --- | --- |
| DATE | 5 NOVEMBER 2022 |
| TEAM ID | PNT2022TMID48869 |
| PROJECT NAME | PREDICTING THE ENERGY OUTPUT OF WIND TURBINE BASED ON WEATHER CONDITION |
| 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 2** | **USER INTERFACE** | **USN 1** | **As a user, open the web page by opening the html file** | **2** | **High** | **S.SAHANA**  **D.ANISWEDHA**  **M.YUVETHA**  **S.SOUMIYABALA**  **P.GAYATHRI** |
| **SPRINT 2** |  | USN 2 | **The home page will open** | **1** | **High** | **S.SAHANA**  **D.ANISWEDHA**  **M.YUVETHA**  **S.SOUMIYABALA**  **P.GAYATHRI** |
| **SPRINT 2** |  | **USN 3** | **As a user, click on the introduction button** | **2** | **Low** | **S.SAHANA**  **D.ANISWEDHA**  **M.YUVETHA**  **S.SOUMIYABALA**  **P.GAYATHRI** |
| **SPRINT 2** |  | **USN 4** | **As a user, click on the launch button** | **2** | **Medium** | **S.SAHANA**  **D.ANISWEDHA**  **M.YUVETHA**  **S.SOUMIYABALA**  **P.GAYATHRI** |
| **SPRINT 2** |  | **USN 5** | **As a user, click on the upload button** | **1** | **High** | **S.SAHANA**  **D.ANISWEDHA**  **M.YUVETHA**  **S.SOUMIYABALA**  **P.GAYATHRI** |
| **Sprint 2** |  | **USN 6** | **As a user, the output energy of wind turbine is launched** | **2** | **high** | **S.SAHANA**  **D.ANISWEDHA**  **M.YUVETHA**  **S.SOUMIYABALA**  **P.GAYATHRI** |

**Project Tracker, Velocity & Burndown Chart: (4marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SPRINT** | **TOTAL STORY POINTS** | **DURATION** | **SPRINT START DATE** | **SPRINT END DATE** | **STORY POINT (COMPLETED AS ON PLANNED DATE)** | **SPRINT**  **RELESE 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** |  |  |
| **SPRINT 4** | **20** | **6 DAYS** | **14 NOV 2022** | **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 per day)**

**AV = Sprint duration/velocity**

**= 20/10**

**= 2**