# PROJECT PLANNING PHASE

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| Date | 04 November 2022 |
| Team ID | PNT2022TMID29001 |
| Project Name | A Gesture Based Tool For Sterile Browsing of Radiology Images |

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

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint - 1 | Launching Software | USN - 1 | As a user, I can launch the developed software. | 1 | Low | Akshaya TA M<br>Gokhul T G |
| Sprint - 1 | Access UI | USN - 2 | As a user, I can use the software and operate<br>on the UI. | 1 | Medium | Sriram K<br>Swetha G |
| Sprint - 2 | Launching Camera | USN - 3 | As a user, I can open the camera from the software to perform gestures. | 1 | Low | Akshaya TA M<br>Swetha G |
| Sprint - 2 | Upload images from local system | USN - 4 | As a user, I can upload images to the software<br>from the local system. | 2 | Low | Gokhul T G<br>Sriram K |
| Sprint - 3 | Perform gestures | USN - 5 | As a user, I can perform various gestures with<br>respect to system specification for processing. | 2 | Medium | Akshaya TA M<br>Gokhul T G<br>Sriram K<br>Swetha G |

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| Sprint - 4 | Display output | USN - 6 | As a user, I can see the sterile browsed image<br>with respect to the gestures performed, displayed on the screen. | 2 | High | Akshaya TA M<br>Gokhul T G<br>Sriram K<br>Swetha G |

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

| Sprint | 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 | 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 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$