# Project Planning Phase

## Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID35818 |
| Project Name | A Gesture - Based Tool for Sterile Browsing of Radiology Images |
| 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-1 | Building IBM Watson Assistant | USN-1 | Building the IBM Watson account | 10 | High | TM – 1<br>TM – 4 |
| Sprint-1 | | USN-2 | Collection of datasets and doing necessary prerequisites | 10 | High | TM – 2<br>TM – 3 |
| Sprint-2 | Modelling | USN-3 | Creation of model so that it must predict correct hand gestures | 10 | Hign | TM – 1<br>TM – 2 |
| Sprint-2 | | USN-4 | Enhance the accuracy of model and adding additional features | 10 | Medium | TM – 3<br>TM – 4 |
| Sprint-3 | User Interface and Testing | USN-5 | Creating a User Interface like web page | 10 | High | TM – 2<br>TM – 4 |
| Sprint - 3 | | USN-6 | As a user I must capture images of hand and upload it into the web portal and produce correct testing results | 10 | High | TM – 1<br>TM – 3 |
| Sprint - 4 | Model Improvision | USN-7 | As a user I must receive a correct hand gesture as output | 10 | High | TM – 1<br>TM – 2 |
| Sprint - 4 | | USN-8 | Additional features can be made and collecting of feedback from the user to improve the quality | 10 | Medium | TM – 3<br>TM –4 |

**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 |
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**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)

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

AV = sprint duration / velocity = 20/6 = 3.33

**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.



Burndown Chart