# Project Planning Phase

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

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| **Date** | **28 October 2022** |
| **Team ID** | **PNT2022TMID29553** |
| **Project Name** | **A Gesture - Based Tool for Sterile Browsing ofRadiology 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 Stor yNumber | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| **Sprint-1** | **Data Collection** | USN-1 | Download the Dataset | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-1** | | USN-2 | Image Pre-processing | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-1** | | USN-3 | Import and Configure the Image Data Generator Library and Class | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-1** | | USN-4 | Apply Image Data Generator Functionality to Train-Set and Test-Set | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |

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| **Sprint-2** | **Model Building** | USN-5 | Import the Model Building Libraries and Initializing the Model | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |

| Sprint | Functional Requirement (Epic) | User StoryNumber | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| **Sprint-2** | | USN-6 | Adding CNN Layers and Dense Layers | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-2** | | USN-7 | Configure the Learning Process | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-2** | | USN-8 | Train the Model, Save the Model and Testthe Model | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-3** | **Application Building** | USN-9 | Create Web Application using HTML, CSS,JavaScript | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-3** | | USN-10 | Build Python code | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-4** | **Train The Model onIBM** | USN-11 | Register for IBM Cloud | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |
| **Sprint-4** | | USN-12 | Train the Model and Test the Model and itsOverall Performance | 10 | High | Akash, Jeevanesh , Sriram ,Vetriselvan |

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

| Sprint | Total StoryPoints | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|---|---|---|---|---|---|---|
| **Sprint-1** | 10 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 10 | 29 Oct 2022 |
| **Sprint-2** | 10 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 10 | 05 Nov 2022 |
| **Sprint-3** | 10 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 10 | 12 Nov 2022 |
| **Sprint-4** | 10 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 10 | 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)

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