

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

Date	22 October 2022
Team ID	PNT2022TMID28899
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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Download the Dataset	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-1		USN-2	Image Pre-processing	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-1		USN-3	Import and Configure the Image Data Generator Library and Class	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-1		USN-4	Apply Image Data Generator Functionality to Train-Set and Test-Set	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Model Building	USN-5	Import the Model Building Libraries and Initializing the Model	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-2		USN-6	Adding CNN Layers and Dense Layers	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-2		USN-7	Configure the Learning Process	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-2		USN-8	Train the Model, Save the Model and Test the Model	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-3	Application Building	USN-9	Create Web Application using HTML, CSS, JavaScript	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-3		USN-10	Build Python code	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-3		USN-11	Run the Application	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-4	Train The Model on IBM	USN-12	Register for IBM Cloud	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar
Sprint-4		USN-13	Train the Model and Test the Model and its Overall Performance	10	High	C.Vignesh S.Shriram U.Sanjeev G.Monish Kumar

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

Sprint	Total Story Point	Duration	Sprint Start Date	Sprint End Date	Story Point Completed	Sprint Release Date
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-1	10	6 Days	31 Oct 2022	5 Nov 2022	10	5 Nov 2022
Sprint-1	10	6 Days	7 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-1	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)

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

Burndown Chart

