Project Planning Phase

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

Date	**13 November 2022**
Team ID	**PNT2022TMID15106**
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	**Data Collection**	USN-1	Download the Data-set	10	High	T.V.Mokshagnaa Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-1		USN-2	Image Pre-processing	10	High	T.V.Mokshagnaa Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-1		USN-3	Import and Configure the Image Data Generator Library and Class	10	High	T.V.Mokshagnaa Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh

Sprint-1		USN-4	Apply Image Data Generator Functionality to Train-Set and Test-Set	10	High	T.V.Mokshagna a Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh

Sprint	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	T.V.Mokshagna a Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-2		USN-6	Adding CNN Layers and Dense Layers	10	High	T.V.Mokshagna a Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-2		USN-7	Configure the Learning Process	10	High	T.V.Mokshagnaa Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-2		USN-8	Train the Model, Save the Model and Test the Model	10	High	T.V.Mokshagna a Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-3	**Application Building**	USN-9	Create Web Application using HTML, CSS, JavaScript	10	High	T.V.Mokshagnaa Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-3		USN-10	Build Python code	10	High	T.V.Mokshagna a Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh

Sprint-3		USN-10	Run the Application	10	High	T.V.Mokshagna a Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-4	**Train The Model on IBM**	USN-11	Register for IBM Cloud	10	High	T.V.Mokshagna a Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh
Sprint-4		USN-12	Train the Model and Test the Model and its Overall Performance	10	High	T.V.Mokshagnaa Redde S.V.Sai Tejesh Naidu T.Srinivasa Rohith T.Naga Lokesh

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

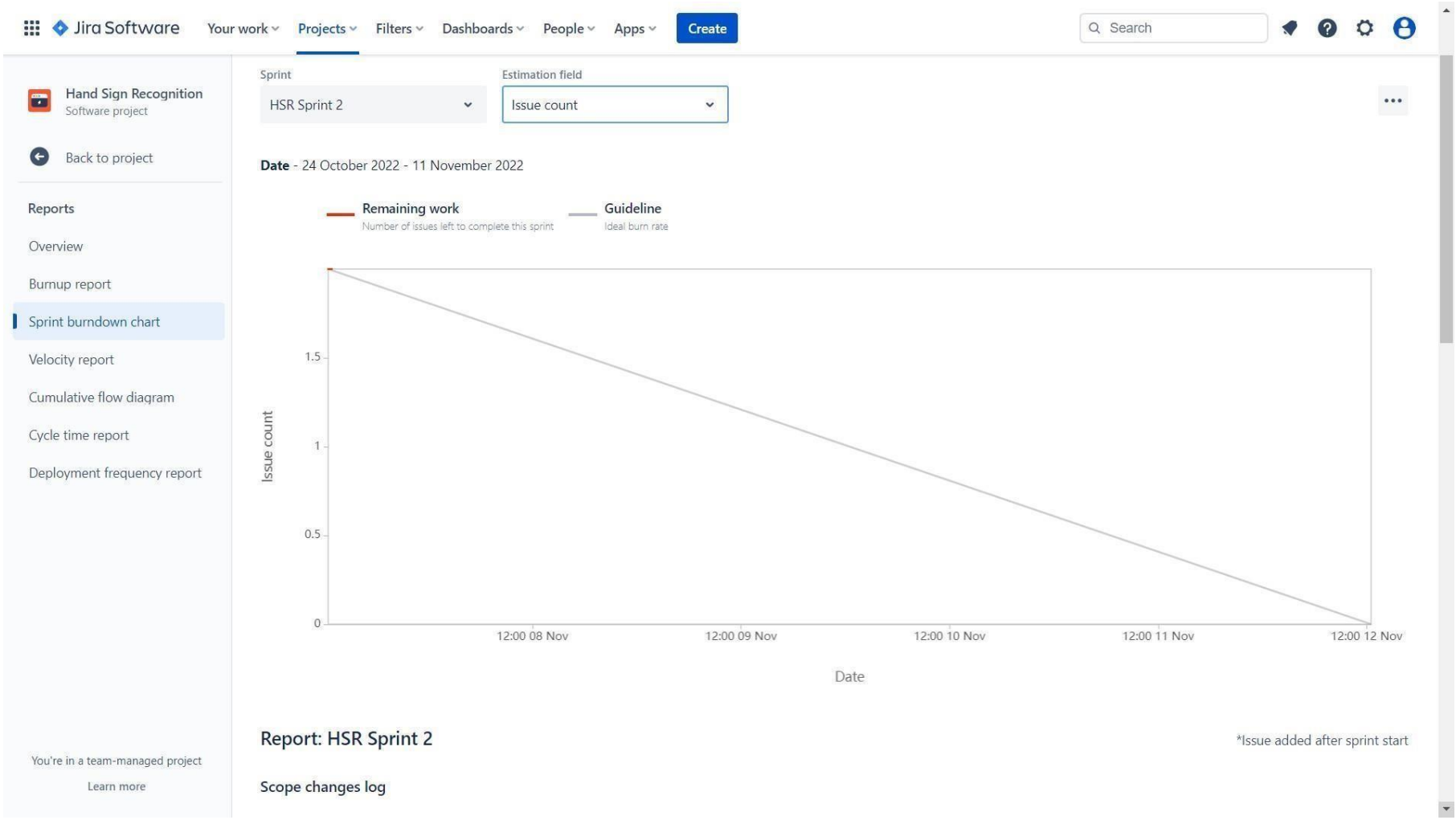
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022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

Velocity:

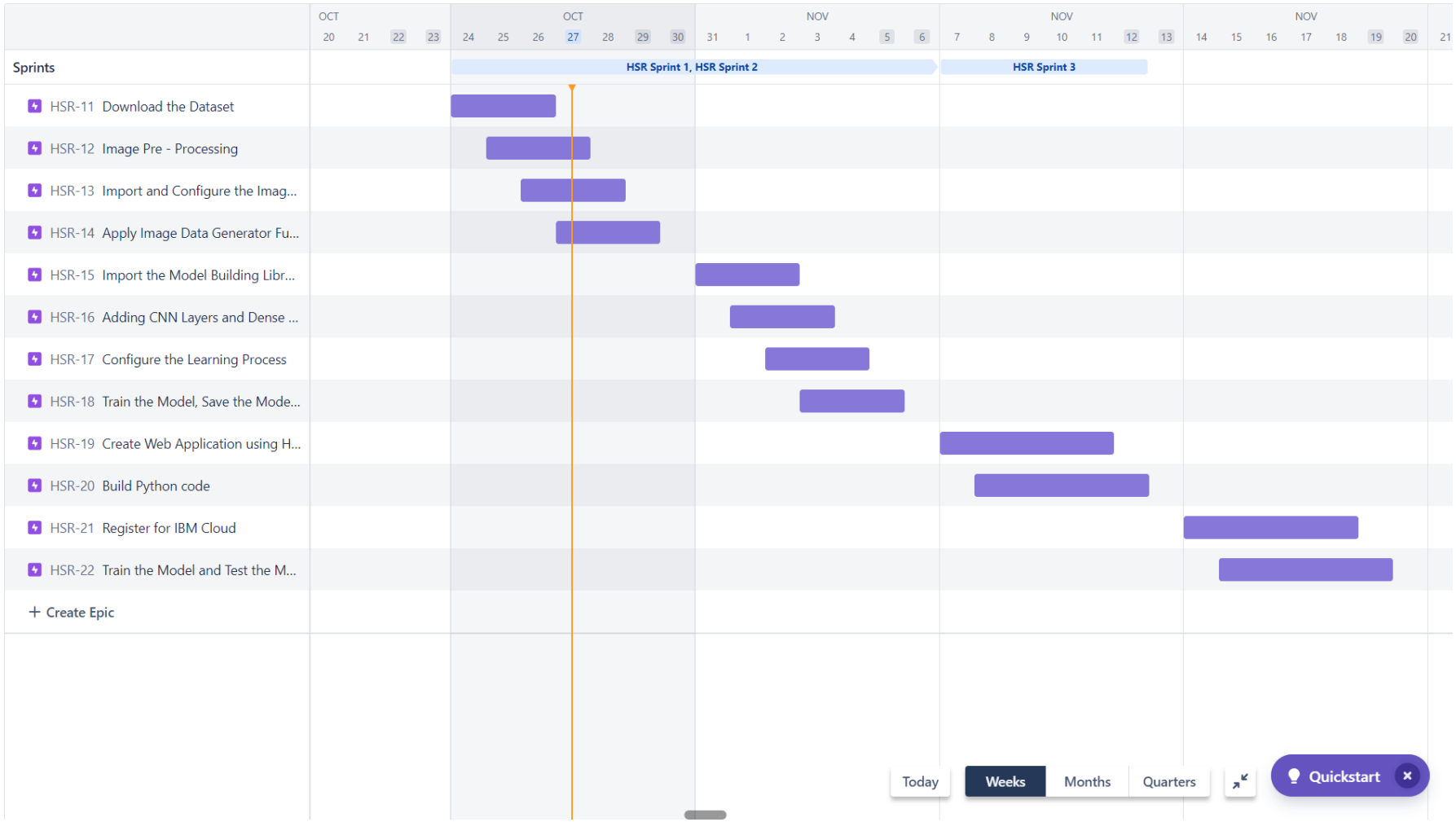
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

Burndown Chart:



Road Map:


OCT
OCT
NOV
NOV
NOV
20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
Sprints
HSR Sprint 1, HSR Sprint 2
HSR Sprint 3
HSR-11 Download the Dataset
HSR-12 Image Pre - Processing
HSR-13 Import and Configure the Imag...
HSR-14 Apply Image Data Generator Fu...
HSR-15 Import the Model Building Libr...
HSR-16 Adding CNN Layers and Dense ...
HSR-17 Configure the Learning Process
HSR-18 Train the Model, Save the Mode...
HSR-19 Create Web Application using H...
HSR-20 Build Python code
HSR-21 Register for IBM Cloud
HSR-22 Train the Model and Test the M...
+ Create Epic
Today
Weeks
Months
Quarters
Quickstart