Project Planning Phase

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

Date	**22 October 2022**
Team ID	**PNT2022TMID15252**
Project Name	**A Gesture - Based Tool for Sterile Browsing of Radiology Ideations 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 Dataset	5	Low	Kalapoorani P
Sprint-1		USN-2	Image Pre-processing (Import thelibrary, Image preprocessing, Configure Image Data Generator, Apply image generator functionality)	6	High	Kalpika K
Sprint-2	**Model Building**	USN-6	Import the model building libraries and initialize the model	3	Low	Hiba Mariam H
Sprint-2		USN-7	Adding CNN layers and Dense layers	2	High	Kalapoorani P

Sprint-2		USN-8	Configure the learning process	3	High	Hiba Mariam H
Sprint-2		USN-9	Train test and save the model	4	High	Hemalatha J
Sprint-3	**Website Building**	USN-3	Create HTML pages and design UI layout	4	Medium	Kalpika K
Sprint-3		USN-4	Build Python code and optimize	5	High	Hemalatha J
Sprint-3		USN-5	Run the application	3	High	Kalapoorani P
Sprint-4	**Train The Model on IBM**	USN-11	Register for IBM Cloud	4	High	Kalapoorani P
Sprint-4		USN-12	Train the Model and Test the Model and its Overall Performance	8	High	Hiba Mariam H

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	12	6 Days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	18 Nov 2022	12	19 Nov 2022

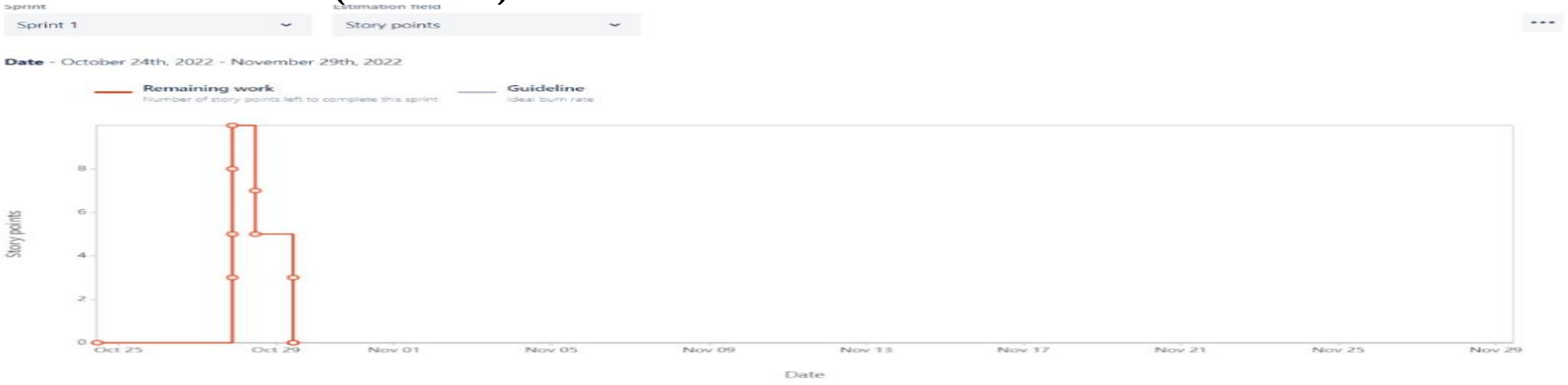
Velocity:

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

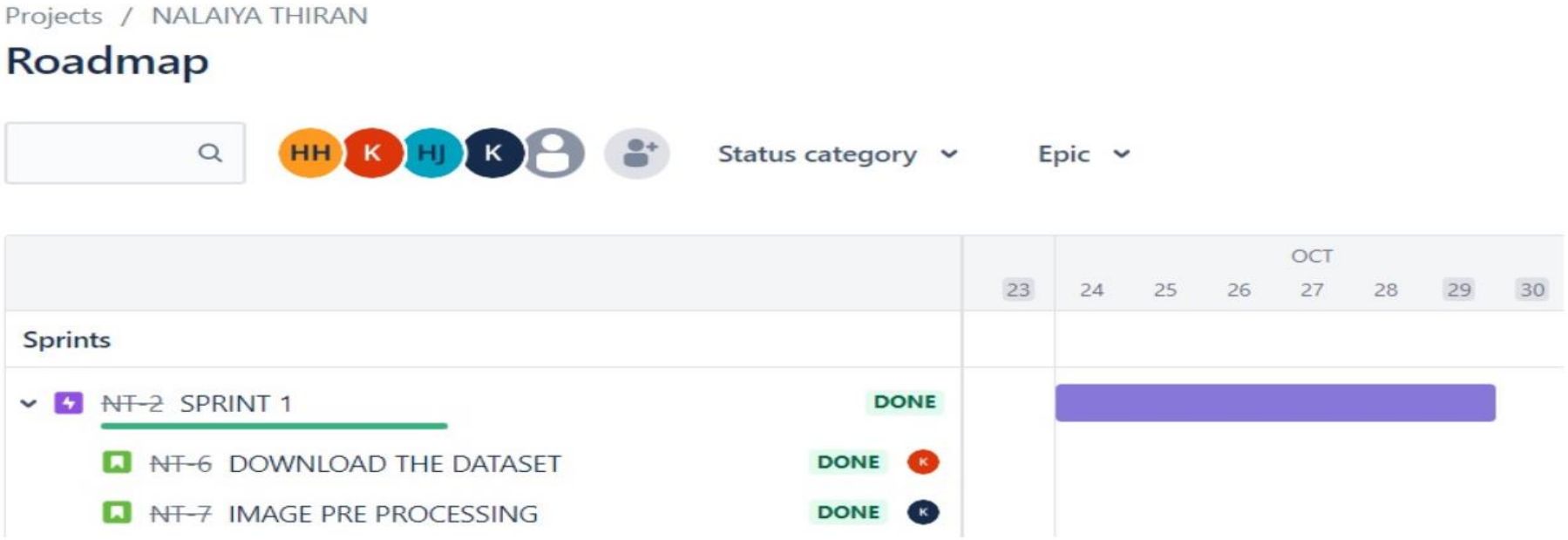
$$AV = \frac{\text{SPRINT DURATION}}{\text{VELOCITY}} = \frac{12}{6} = 2$$

SPRINT 1

BURNDOWN CHART (SPRINT 1):

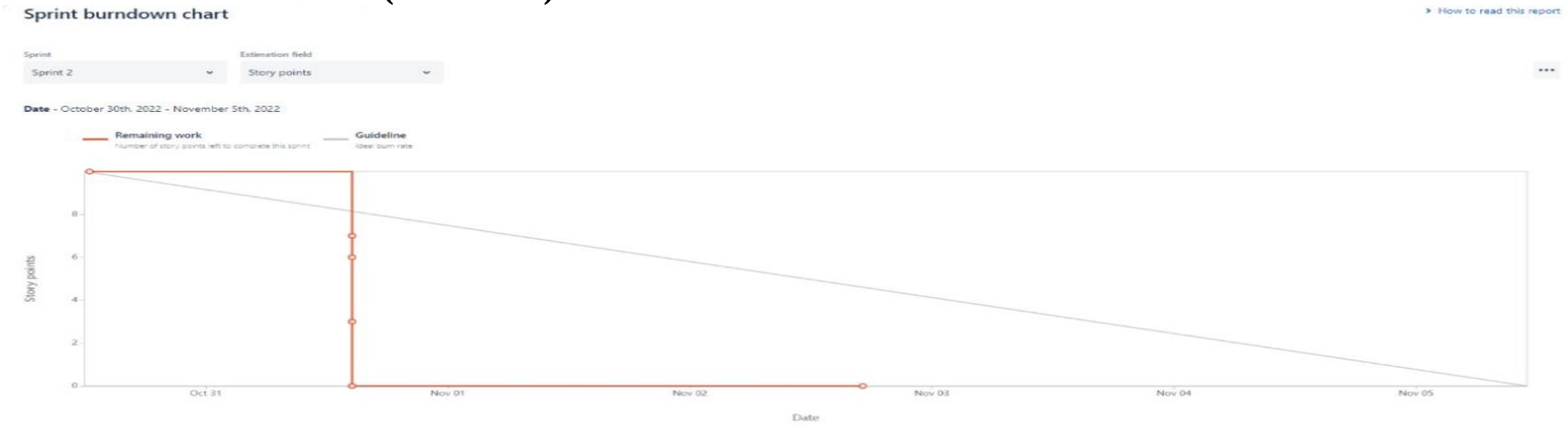


ROAD MAP (SPRINT 1):

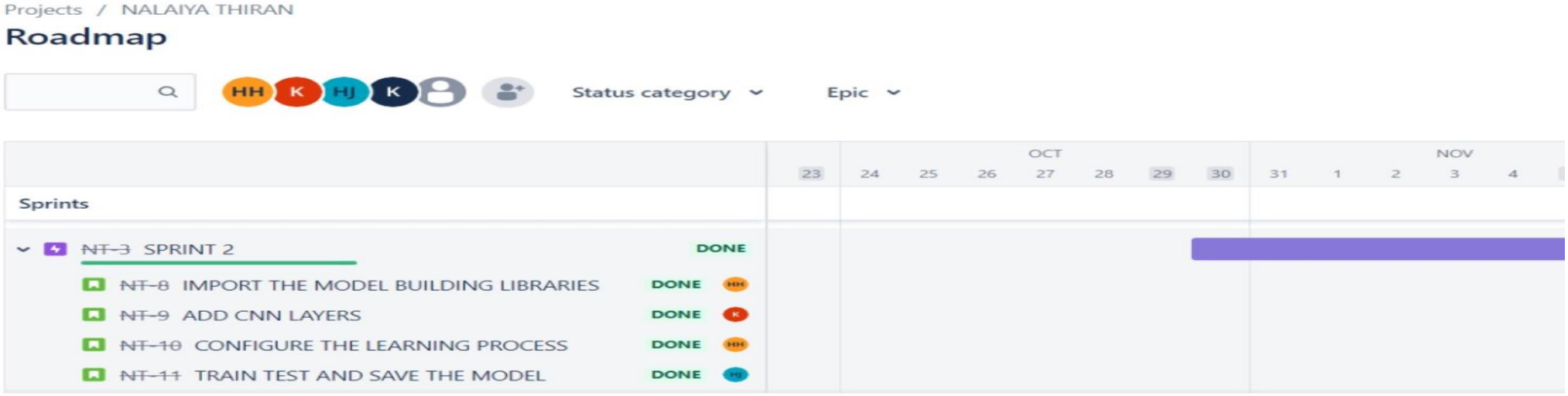


SPRINT 2

BURNDOWN CHART (SPRINT 2):

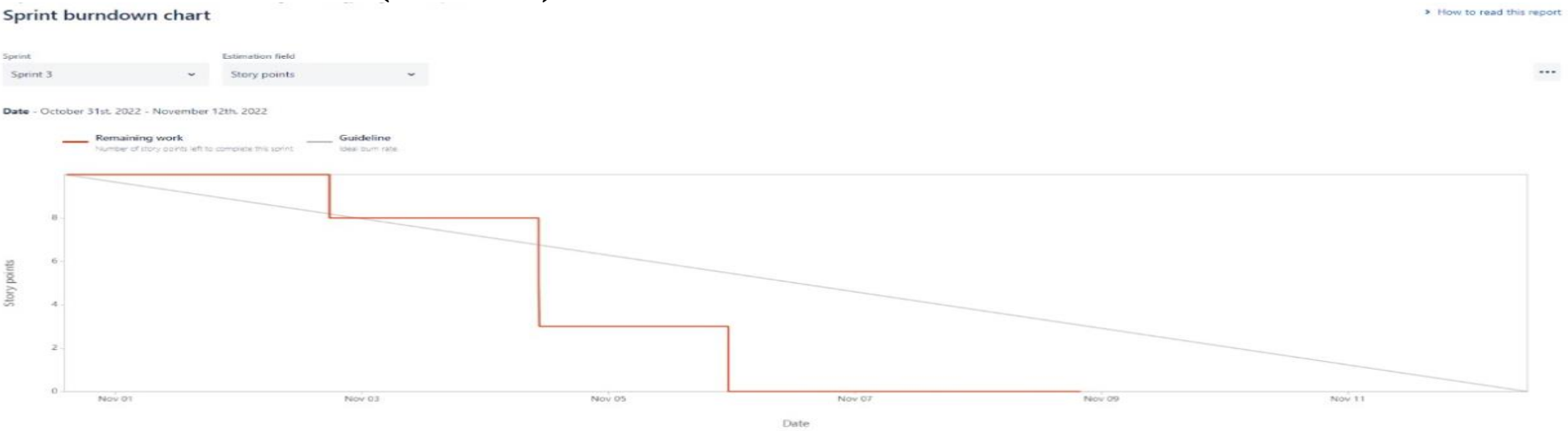


ROAD MAP (SPRINT 2):

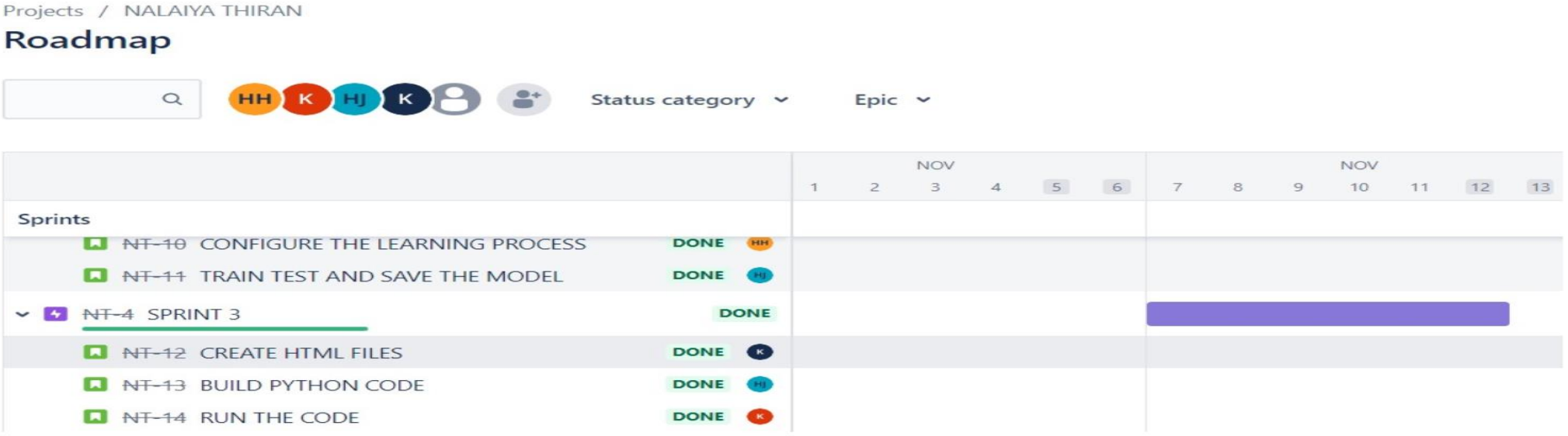


SPRINT 3

BURNDOWN CHART (SPRINT 3):

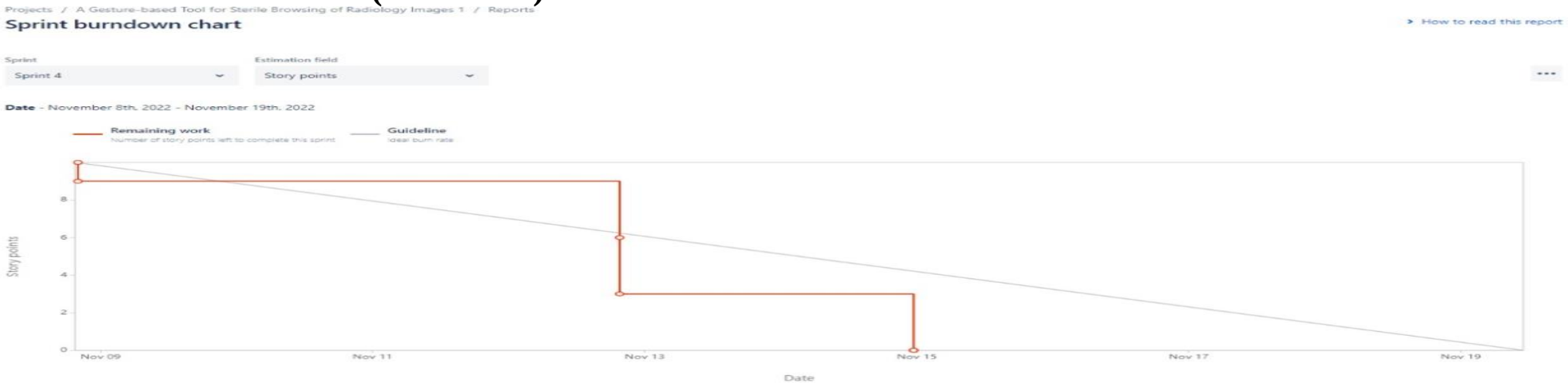


ROAD MAP (SPRINT 3):



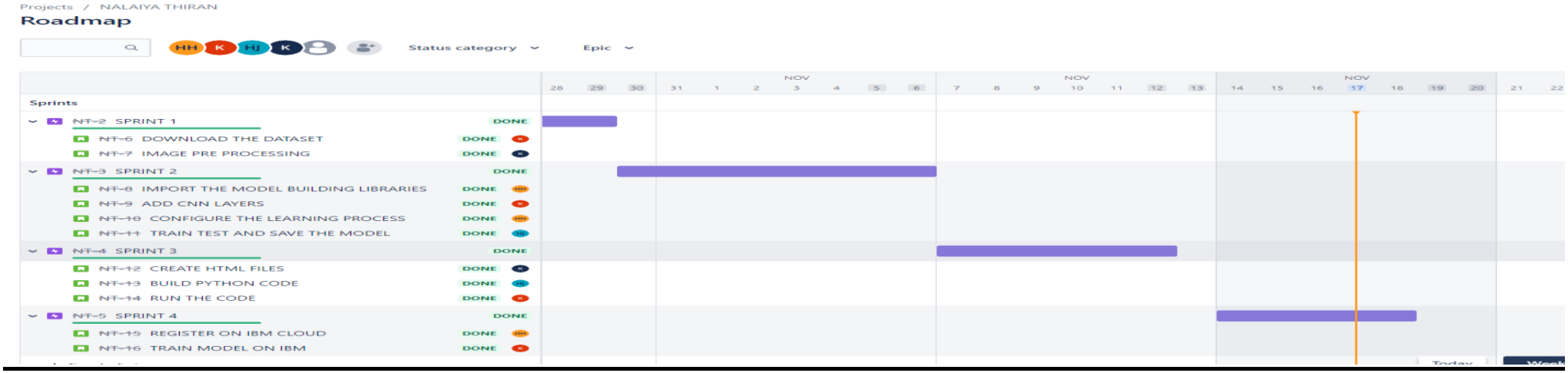
SPRINT 4

BURNDOWN CHART (SPRINT 4):



ROAD MAP (SPRINT 4):

OVER ALL ROAD MAP:



VELOCITY CHART: