

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 the library, 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 burndown chart

Sprint Sprint 2 Estimation field Story points

The chart displays two metrics over time:

- Remaining work (Red line):** Represents the number of story points left to complete this sprint. It starts at 10, drops to 7 on Oct 31, then to 6, then to 3, and finally to 0 on Nov 01.
- Guideline (Grey line):** Represents the ideal burn rate. It starts at 10 and decreases linearly to 0 by Nov 05.

Date	Remaining work (Story points)	Guideline (Story points)
Oct 31	7	9.2
Nov 01	0	8.4
Nov 02	0	7.6
Nov 03	0	6.8
Nov 04	0	6.0
Nov 05	0	5.2

Projects / NALAIYA THIRAN

HH
K
Hj
K

Status category ▼

Epic ▼

	OCT	NOV
	23	24 25 26 27 28 29 30 31 1 2 3 4
Sprints		
NT-3 SPRINT 2 DONE		
NT-8 IMPORT THE MODEL BUILDING LIBRARIES DONE		
NT-9 ADD CNN LAYERS DONE		
NT-10 CONFIGURE THE LEARNING PROCESS DONE		
NT-11 TRAIN TEST AND SAVE THE MODEL DONE		

Sprint burndown chart

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HH
K
HJ
K

Status category ▼

Epic ▼

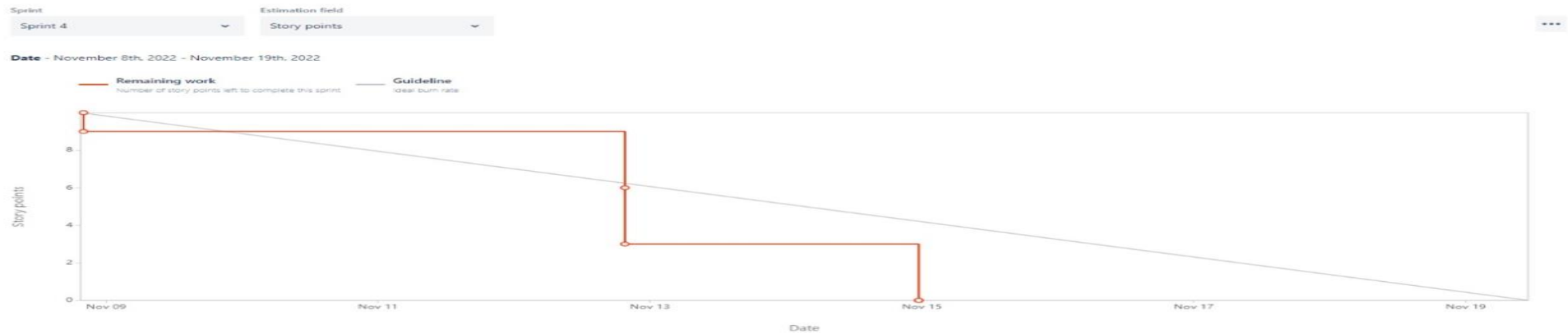
				NOV						NOV						
				1	2	3	4	5	6	7	8	9	10	11	12	13
Sprints																
	NT-10	CONFIGURE THE LEARNING PROCESS	DONE													
	NT-11	TRAIN TEST AND SAVE THE MODEL	DONE													
▼	NT-4	SPRINT 3	DONE													
	NT-12	CREATE HTML FILES	DONE													
	NT-13	BUILD PYTHON CODE	DONE													
	NT-14	RUN THE CODE	DONE													

SPRINT 4

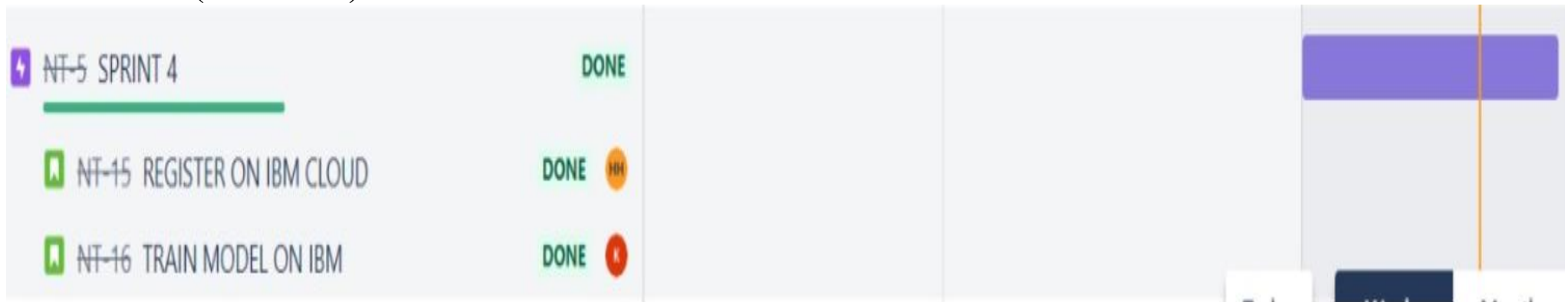
BURNDOWN CHART (SPRINT 4):

Projects / A Gesture-based Tool for Sterile Browsing of Radiology Images 1 / Reports
Sprint burndown chart

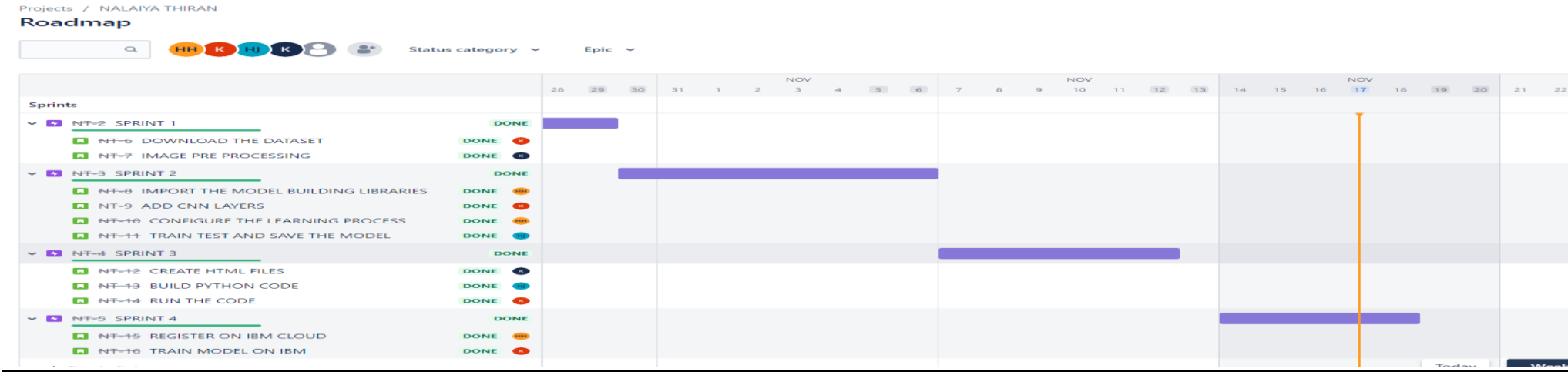
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ROAD MAP (SPRINT 4):



OVER ALL ROAD MAP:



VELOCITY CHART:

