

## Project Planning Phase

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

Date	8 November 2022
Team ID	PNT2022TMID51176
Project Name	Project – A Novel Method for Handwritten Recognition system
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	Understanding the data	USN-1	Loading the data	8	High	M. Sai Janani
Sprint-1		USN-2	Importing the required libraries	5	Medium	M. Sai Janani
Sprint-1		USN-3	Analyzing the data	3	Medium	G. Selva Lakshmi
Sprint-1		USN-4	Reshaping the data	2	Low	K. Uma Maheswari
Sprint-1		USN-5	Applying one hot encoding	2	Low	R. Monisha
Sprint-2	Model Building	USN-6	Add CNN Layer	5	Medium	G. Selva Lakshmi
Sprint-2		USN-7	Compiling the model	4	Medium	R. Monisha
Sprint-2		USN-8	Train the model	2	High	K. Uma Maheswari
Sprint-2		USN-9	Observing the Metrics	3	Medium	M. Sai Janani
Sprint-2		USN-10	Test the Model	2	High	K. Uma Maheswari
Sprint-2		USN-11	Observing the Metrics	2	Medium	R. Monisha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-12	Test the model	1	Low	G. Selva Lakshmi
Sprint-2		USN-13	Save the Model	1	Low	M. Sai Janani
Sprint-2		USN-14	Test with saved model	-	Low	K. Uma Maheswari
Sprint-3	Application Building	USN-15	Create an HTML file	3	Low	R. Monisha
Sprint-3		USN-16	Build Python code (Part 1)	8	High	G. Selva Lakshmi
Sprint-3		USN-17	Build Python code (Part 2)	4	Medium	M. Sai Janani
Sprint-3		USN-18	Run the Application	5	Medium	K. Uma Maheswari
Sprint-4	Train the model on IBM	USN-19	Register for IBM cloud	10	High	M. Sai Janani
Sprint-4		USN-20	Train the model on IBM	10	High	R. Monisha

### 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)

$$AV = \frac{\text{Sprint Duration}}{\text{Velocity}} = 20 / 4 = 5 \text{ per sprint}$$

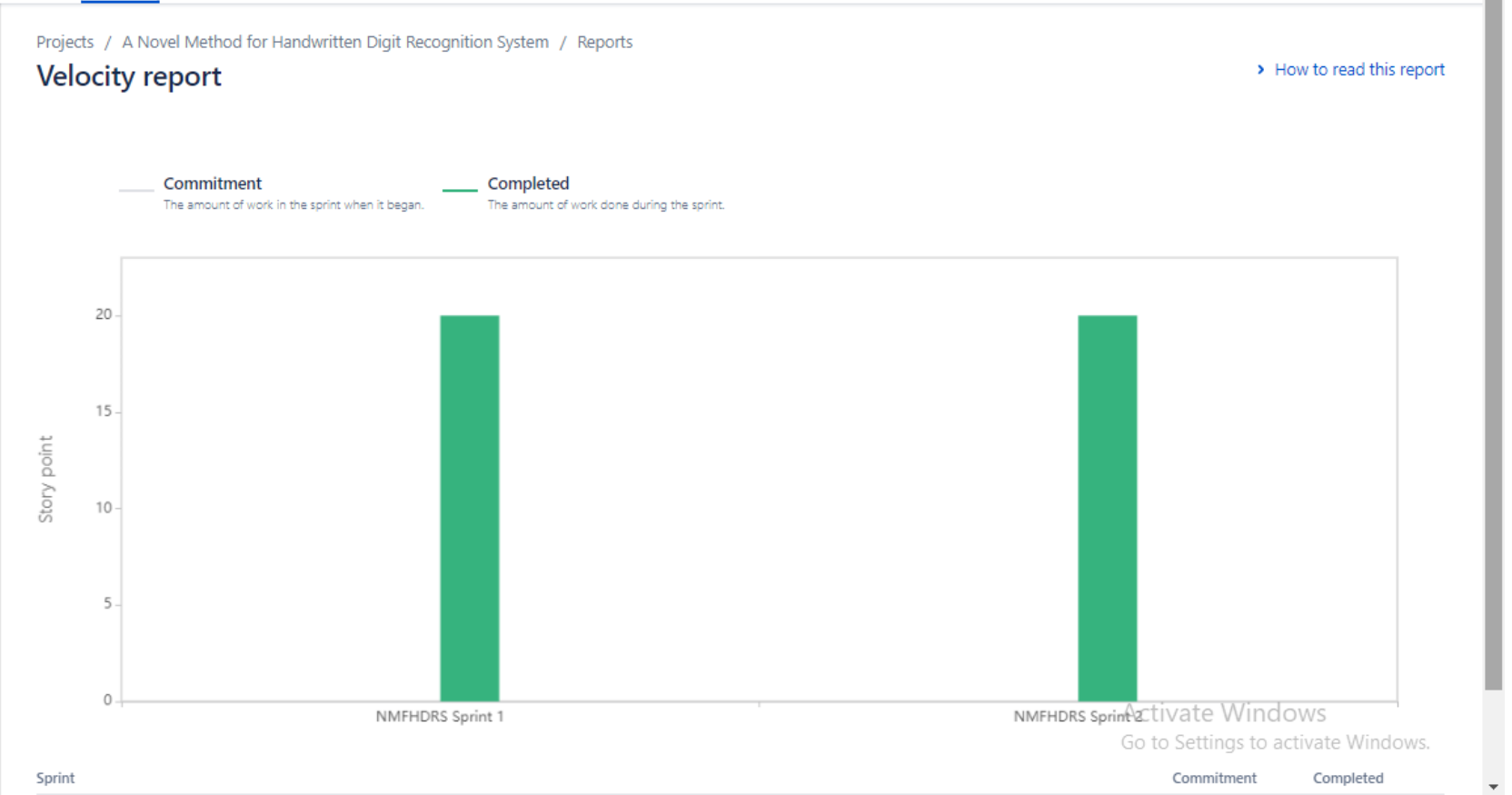
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Software project

Back to project

Reports

- Overview
- Burnup report
- Sprint burndown chart
- Velocity report**
- Cumulative flow diagram
- Cycle time report
- Deployment frequency report

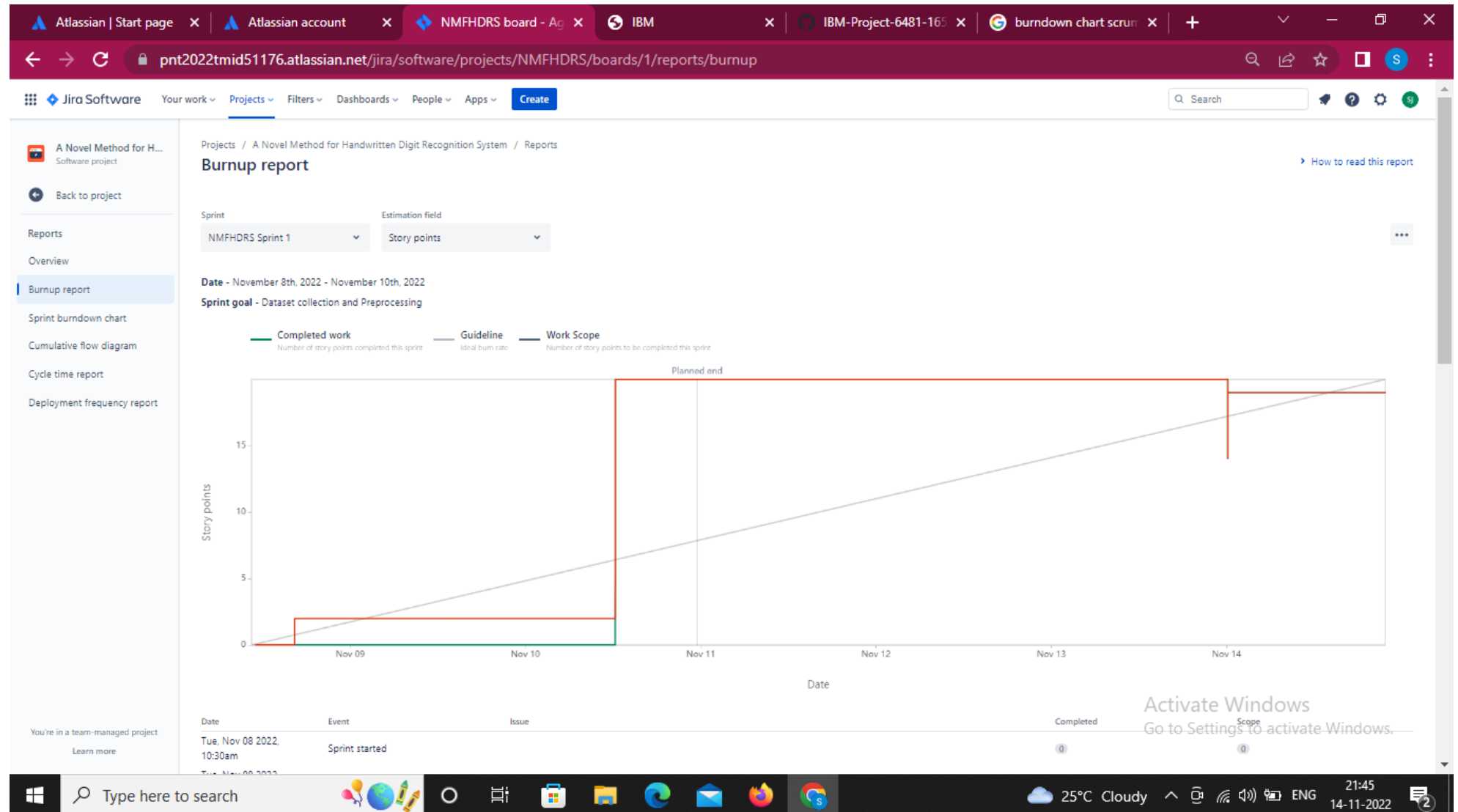
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**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	3 Days	8 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-2	20	3 Days	11 Nov 2022	13 Nov 2022	20	11 Nov 2022
Sprint-3	20	3 Days	14 Nov 2022	16 Nov 2022	20	14 Nov 2022
Sprint-4	20	3 Days	17 Nov 2022	19 Nov 2022	20	17 Nov 2022

## Burndown chart:



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Reports

Overview

Burnup report

Sprint burndown chart

Velocity report

Cumulative flow diagram

Cycle time report

Deployment frequency report

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## Burnup report

How to read this report

Sprint  
NMFHRS Sprint 2

Estimation field  
Story points

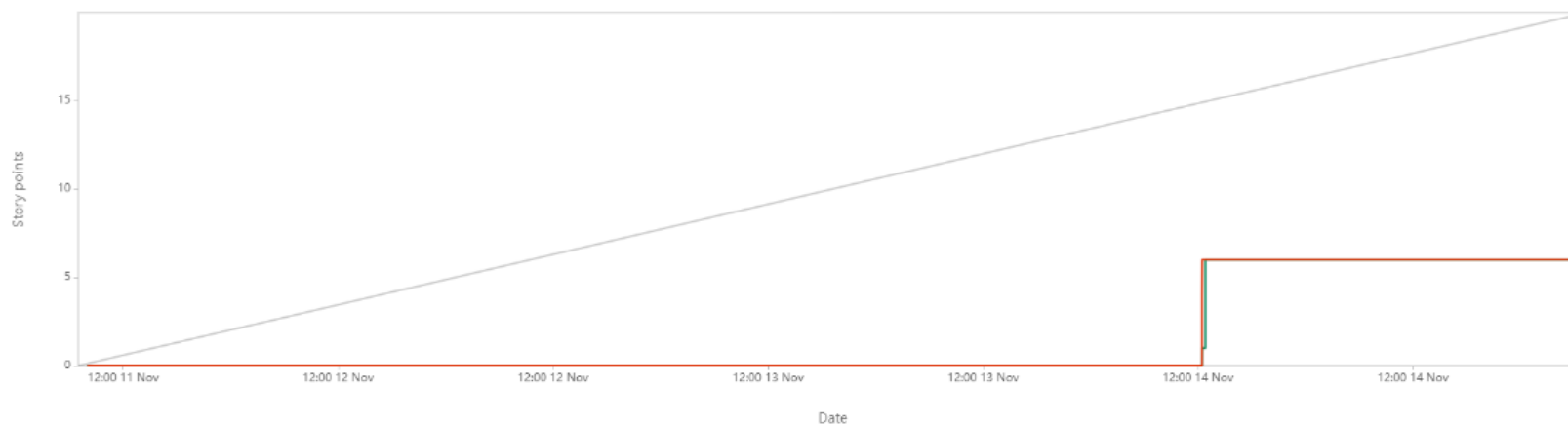
Date - November 11th, 2022 - November 13th, 2022

Sprint goal - Building the model

Completed work  
Number of story points completed this sprint

Guideline  
Ideal burn rate

Work Scope  
Number of story points to be completed this sprint



Date	Event	Issue	Completed	Scope
		NMFHRS-8 Add CNN		
		NMFHRS-9 Compiling the Model		
		NMFHRS-10 Train the model		

Activate Windows  
Go to Settings to activate Windows.