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

Date	22 October 2022
Team ID	PNT2022TMID48153
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	8 Marks

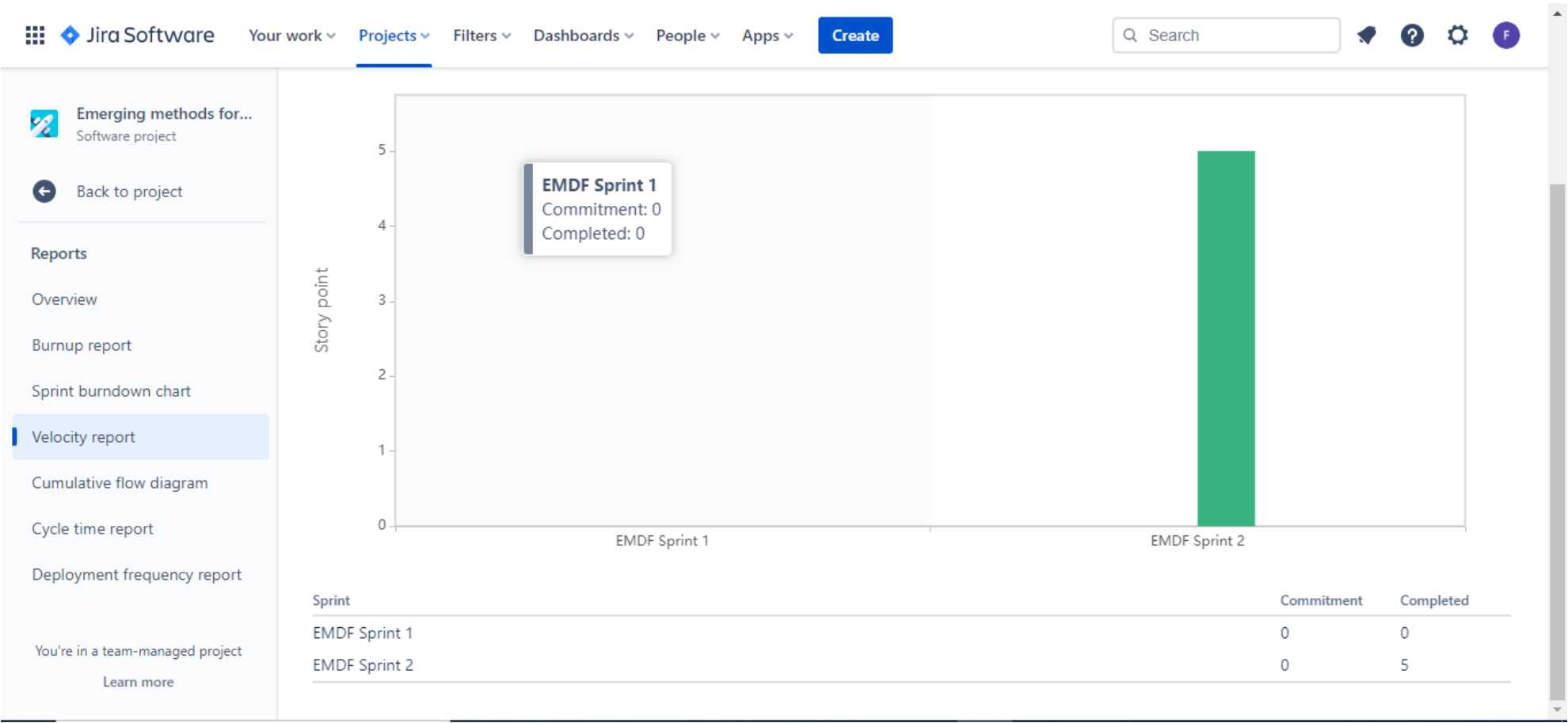**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection	USN-1	Artificial Intelligence is a data hunger technology, it depends heavily on data, without data, it is impossible for a machine to learn. It is the most crucial aspect that makes algorithm training possible. In Convolutional Neural Networks, as it deals with images, we need training and testing data set. It is the actual data set used to train the model for performing various actions.The required datas should be collected	1	Medium	B.FAHMIDHA M.ANNAPOORANI P.DAYANA D.SANTHI
Sprint-1	Image preprocessing	USN-2	The dataset images are to be preprocessed before giving it to the model.	2	High	B.FAHMIDHA M.ANNAPOORANI P.DAYANA D.SANTHI

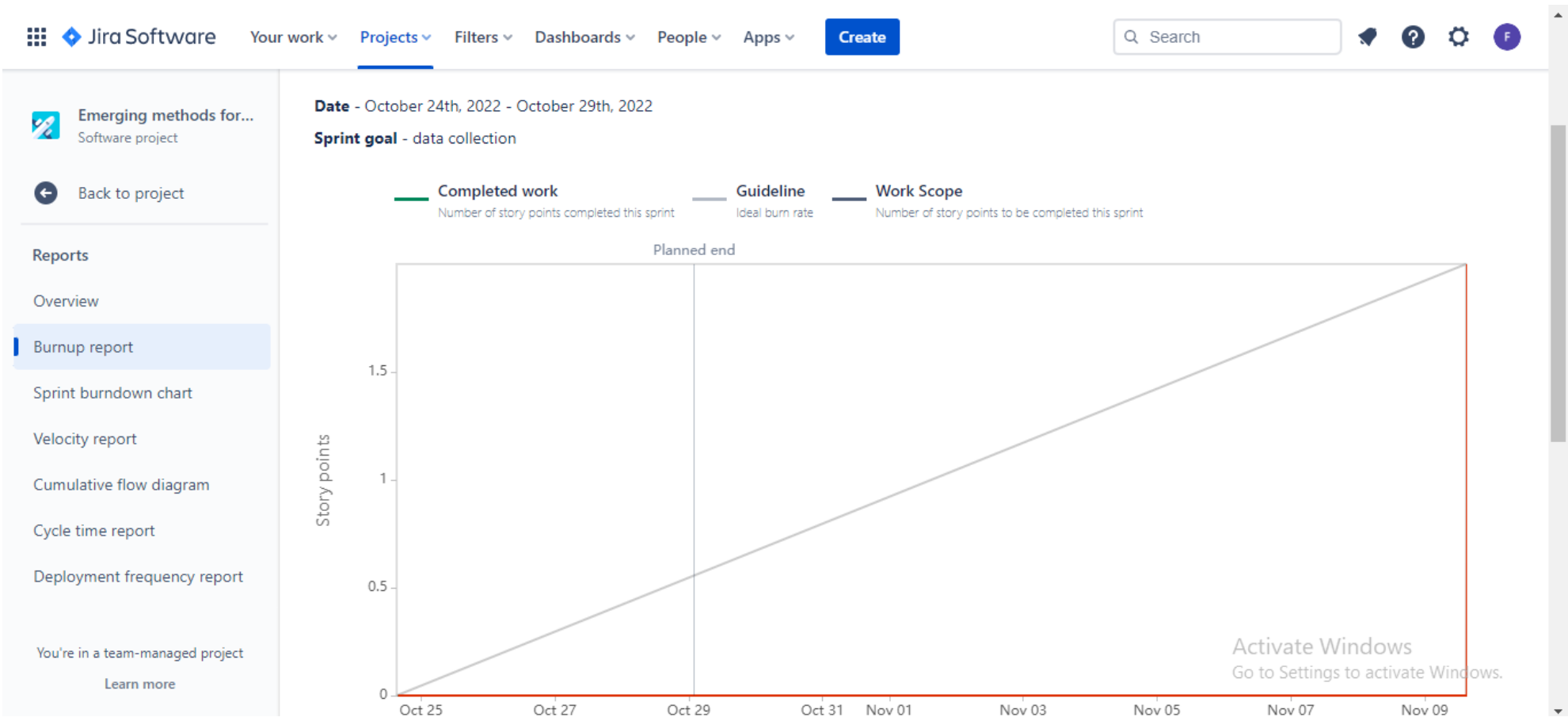| Sprint-2	Model building	USN-3	The drone videos will be split into frames todetect the fire.	3	High	B.FAHMIDHA M.ANNAPOORANI P.DAYANA D.SANTHI
Sprint-3	Video analysis	USN-4	After the fire is detected the alert message haveto be sent .	2	High	B.FAHMIDHA M.ANNAPOORANI P.DAYANA D.SANTHI
Sprint-4	Train CNN model on IBM	USN-5	The exact location of the drone will be predictedand sent along with the alert message.	2	High	B.FAHMIDHA M.ANNAPOORANI P.DAYANA D.SANTHI

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	20	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

Burndown Chart:

Emerging methods for...
Software project

Back to project

Reports

Overview

Burnup report

Sprint burndown chart

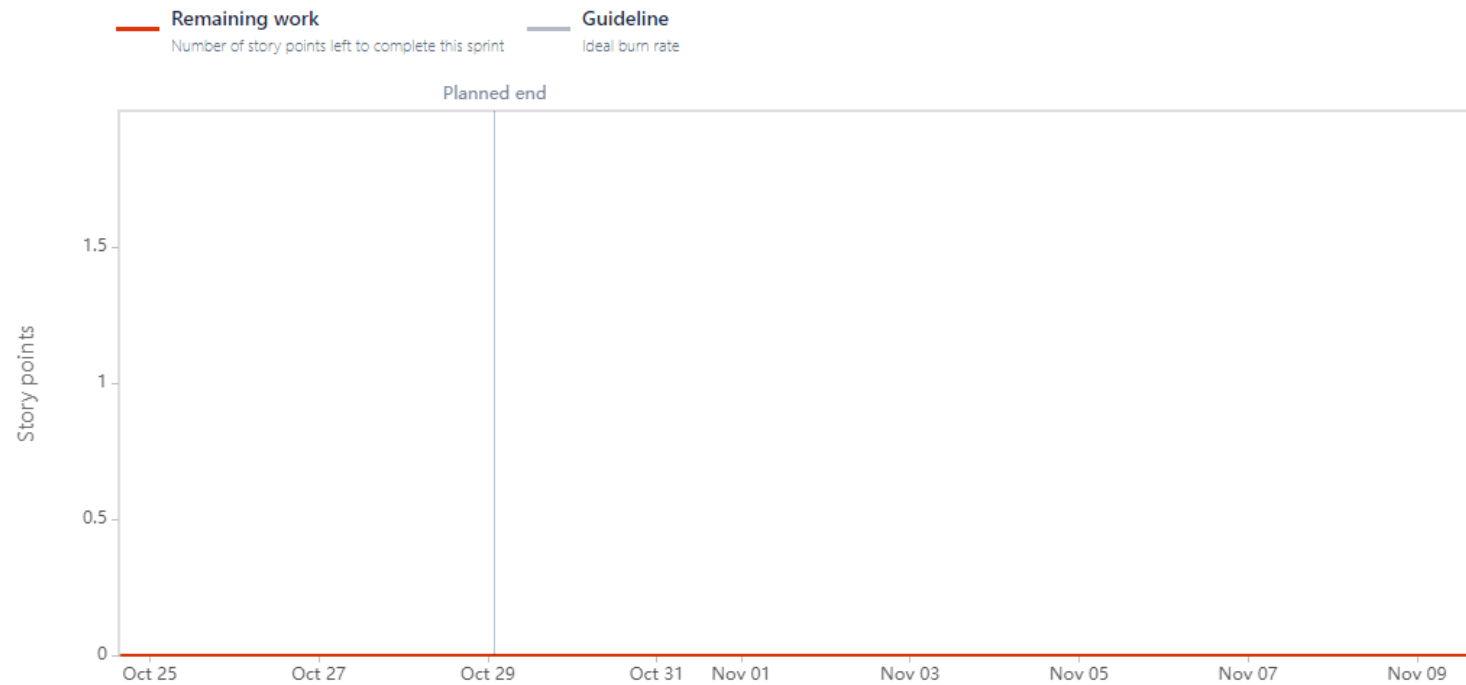Velocity report

Cumulative flow diagram

Cycle time report

Deployment frequency report

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Date - October 24th, 2022 - October 29th, 2022

Sprint goal - data collection

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate

Planned end

Story points

1.5

1

0.5

0

Oct 25   Oct 27   Oct 29   Oct 31   Nov 01   Nov 03   Nov 05   Nov 07   Nov 09

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Software project

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Reports

Overview

Burnup report

Sprint burndown chart

Velocity report
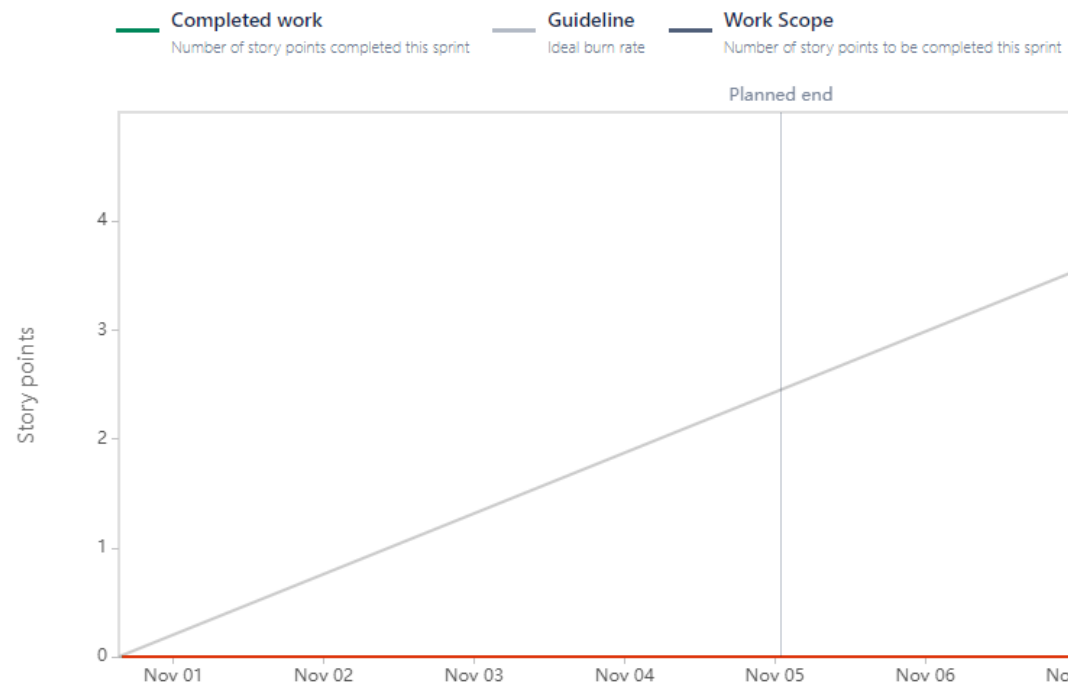
Cumulative flow diagram

Cycle time report

Deployment frequency report

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Date - October 31st, 2022 - November 5th, 2022

Sprint goal - model building

Completed work
Number of story points completed this sprint

Guideline
Ideal burn rate

Work Scope
Number of story points to be completed this sprint

Burnup report chart. X-axis: Nov 01 through Nov 09. Y-axis: Story points 0 to 4. "Planned end" marked at Nov 05.

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Cycle time report

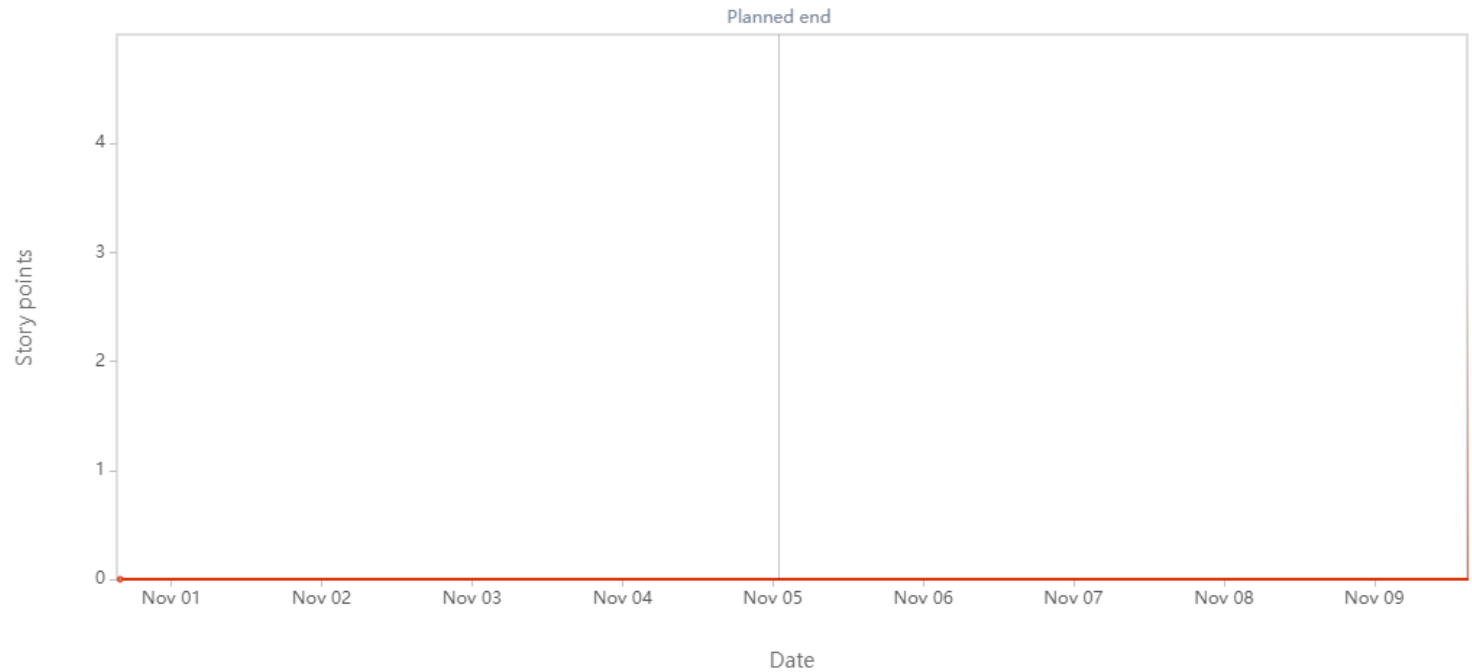Deployment frequency report

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─── **Remaining work**
Number of story points left to complete this sprint

─── **Guideline**
Ideal burn rate

Planned end

4

3

Story points   2

1

0
Nov 01   Nov 02   Nov 03   Nov 04   Nov 05   Nov 06   Nov 07   Nov 08   Nov 09

Date

Report: EMDE Sprint 2

*Issue added after sprint start