

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52529
Project Name	Project – Inventory Management System For Retailers

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	Login & Registration UI Design	USN-1	As a user, I want login and registration page design	2	High	4
Sprint-1	Landing Page UI Design	USN-2	As a user, I want to view the application overview and available functionalities	1	High	4
Sprint-2	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application	2	Low	4
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	2	Medium	4
Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available	1	High	4
Sprint-2	Add items to cart	USN-6	As a user, I can add the products I wish to buy to the carts	5	Medium	4
Sprint-3	Stock Update	USN-7	As a user, I can add products which are not available in the dashboard to the stock list.	5	Medium	4
Sprint-4	Request to Customer Care	USN-8	As a user, I can contact the Customer Care Executive and request any services I want from the customer care.	5	Low	4
Sprint-4	Contact Administrator	USN-9	I can be able to report any difficulties I experience as a report	5	Medium	4

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	7	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	9	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

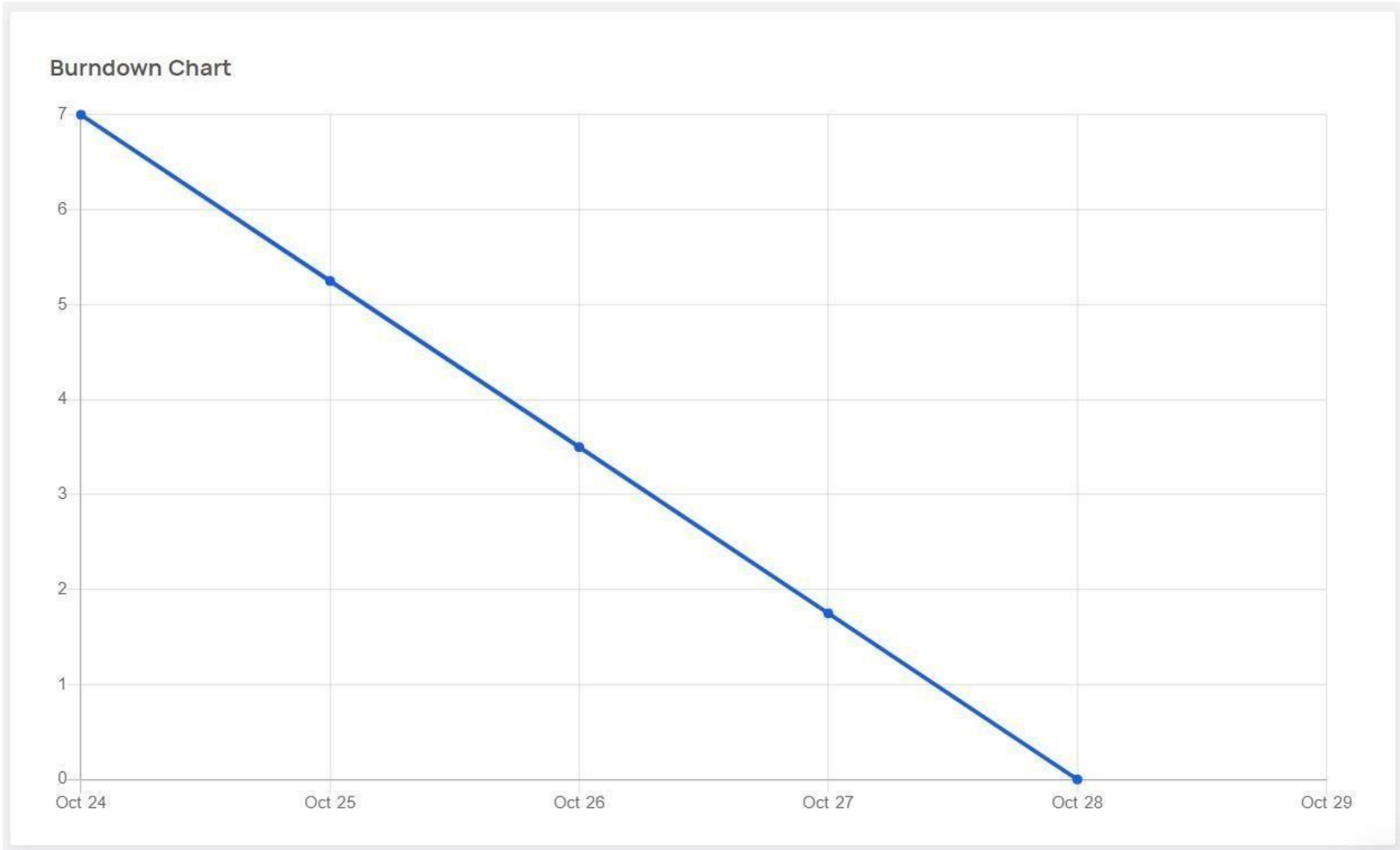
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

Velocity:

Sprints	Sprint Duration	Velocity	Actual Velocity
Sprint-1	6	7	0.85
Sprint-2	6	9	0.66
Sprint-3	6	5	1.2
Sprint-4	6	10	0.6

Burndown Chart:



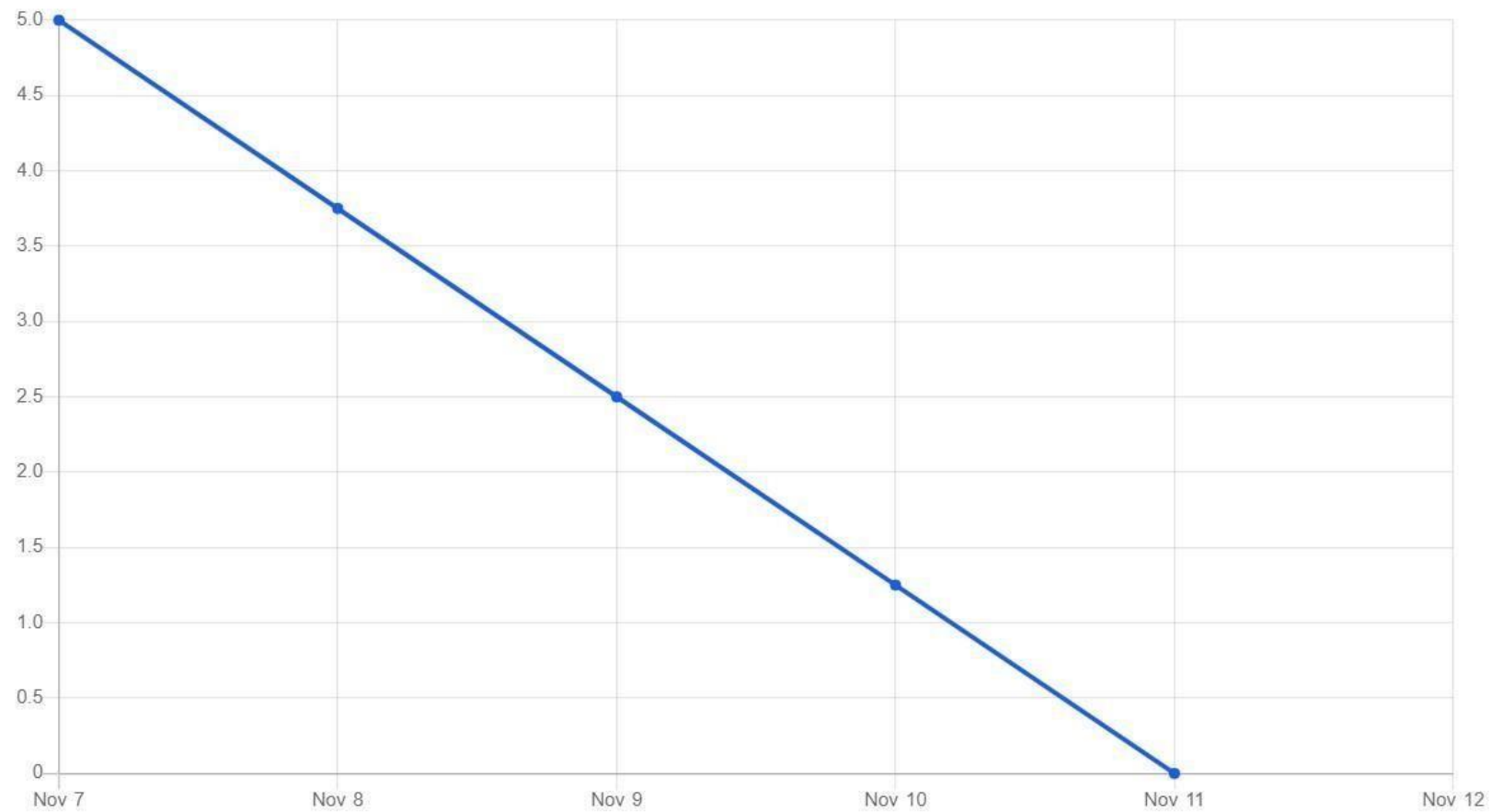
Sprint - 1

Burndown Chart



Sprint - 2

Burndown Chart



Sprint - 3



Sprint – 4

Project Tool: JIRA

The screenshot displays a web browser window with the URL https://careereducation.smartinternz.com/Student/guided_project_workspace/16478. The browser's address bar shows the URL, and the tabs include "IBM", "Project Design Phase-I - Google", "Project Planning Phase - Google", "Sprint Delivery Plan.pdf", and "IBM".

The main content area is a project workspace with four columns: "BACKLOG", "IN-PROCESS", "REVIEW", and "COMPLETE". The "IN-PROCESS" column contains three task cards, each with a yellow "RP" icon and a progress bar set to 50%:

- TSK-157440: Create Flask Project
- TSK-260927: Create IBM Cloud Account
- TSK-734: Install IBM Cloud CLI

Below the task cards, there are four horizontal bars representing project phases:

- IMPLEMENTING WEB APPLICATION
- INTEGRATING SENDGRID SERVICE
- DEPLOYMENT OF APP IN IBM CLOUD
- IDEATION PHASE

An "Activate Windows" watermark is visible in the bottom right corner of the workspace area, with the text "Go to Settings to activate Windows."

The Windows taskbar at the bottom shows the search bar, task view button, and several application icons (Edge, File Explorer, Store, Firefox, Word, Chrome). The system tray on the right indicates the time as 12:15 and the date as 02-11-2022.