PROJECT PLANNING PHASE

PRODUCT BACKLOG, SPRINT PLANNING, STORIES, STORY POINTS

Date	14/11/2023
Team ID	Team-592404
Project Name	AI Enabled CAR Parking Using OPENCV
Maximum Marks	8 Marks

AI ENABLED CAR PARKING USING OPEN CV:

AI-enabled car parking systems, harnessing the power of OpenCV, are a game-changer in modern urban mobility. By employing computer vision and machine learning, these systems detect, monitor, and optimize parking spaces. OpenCV facilitates real-time object recognition, space occupancy tracking, and license plate recognition. This not only simplifies the parking process for drivers but also enhances security and revenue for operators. With the ability to guide drivers to available spots and automate payment, these systems reduce congestion, save time, and minimize environmental impact. However, they come with initial implementation costs and privacy considerations. Nevertheless, AI-enabled car parking using OpenCV represents a smart, data-driven solution for efficient and convenient parking management in our increasingly crowded cities.

PRODUCT BACKLOG, SPRINT SCHEDULE AND ESTIMATION:

SPRINT	FUNCTIONAL REQUIREMENT	USER STORY NUMBER	USER STORY / TASK	STORY POINTS	PRIORITY
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High

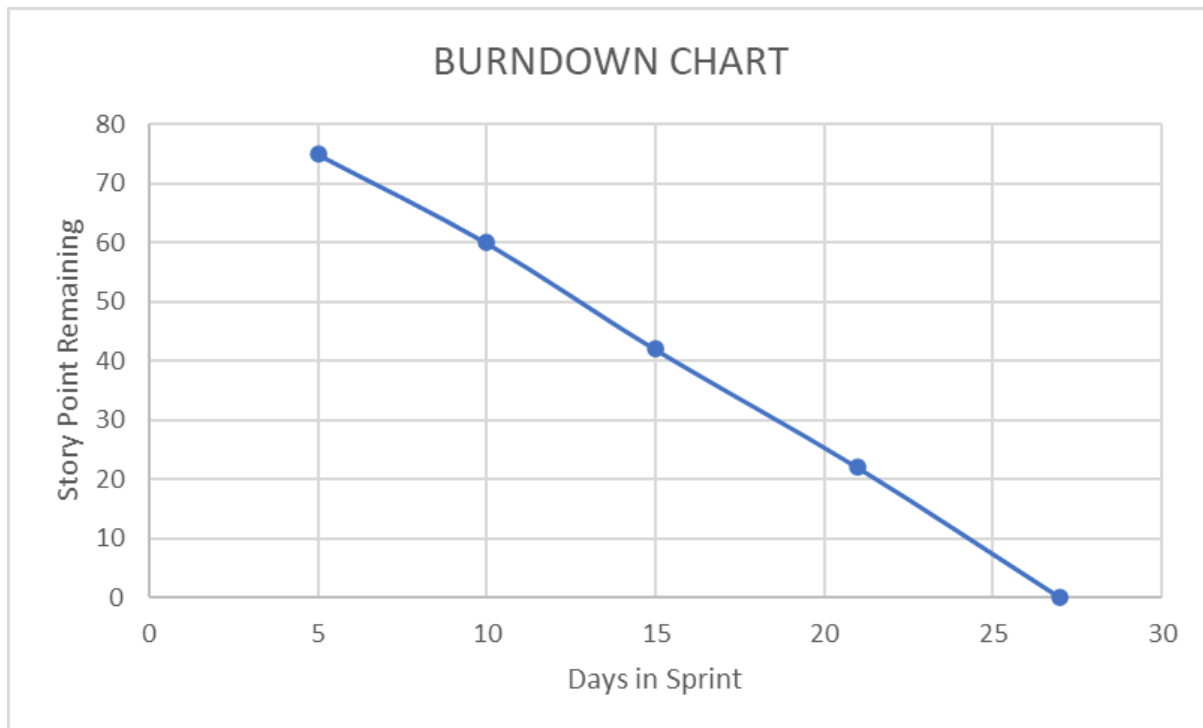| Sprint		USN			
Sprint-2		USN-3	As a user, I can register for the application throug h Facebook	2	Low
Sprint-1		USN-4	As a user, I can register for the application throug h Gmail	2	Medium
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High
	Dashboard	USN-6	As a user, I want the system to notify me of available parking spaces and guide me to the nearest one.	3	High
	Dashboard	USN-7	As a user, I want the system to notify me of available parking spaces and guide me to the nearest one.	2	Medium
	Dashboard	USN-8	As a user, I want the system to notify me of available parking spaces and guide me to the nearest one.	3	High

PROJECT TRACKER AND VELOCITY:

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	5 Days	24 Oct 2023	28 Oct 2023	20	28 Oct 2023
Sprint-2	20	5 Days	29 Oct 2023	02 Nov 2023	15	03 Nov 2023
Sprint-3	20	5 Days	03 Nov 2023	07 Nov 2023	18	07 Nov 2023
Sprint-4	20	6 Days	08 Nov 2023	13 Nov 2023	20	14 Nov 2023
Sprint-5	25	6 Days	14 Nov 2023	19 Nov 2023	22	20 Nov 2023

VELOCITY:

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

BURNDOWN CHAT:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

REFERENCE:

- **https://www.studocu.com/in/document/anna-university/artificial-intelligence/ai-enabled-car-parking-using-open-cv/60396601**
- **https://www.atlassian.com/agile/scrum/backlogs**
- **https://www.aha.io/support/develop/develop/work/backlog-introduction**
- **https://www.scribd.com/document/650944475/AI-enable-car-parking-1**
- **https://towardsdatascience.com/smart-parking-an-application-of-ai-9a4af90b1de6**