INTRODUCTION:

Project Overview:

The Cosmetic Store Management project aims to design and implement an integrated management system for a cosmetic store. The system will streamline operations, improve efficiency, and enhance customer satisfaction.

Purpose:

The purpose of this project is to develop a comprehensive management system that enables the cosmetic store to:

- Manage inventory and sales efficiently
- Enhance customer experience and satisfaction
- Improve operational productivity and reduce costs
- Provide real-time insights and analytics for informed decision-making
- Ensure security, reliability, and scalability of operations.

KEY DEFINITIONS:

A Sprint fixed period or duration in which a team works to complete a set of tasks
An Epic is a big task or project that is too large to complete in one sprint. It is broken down into smaller tasks (stories) that can be completed over multiple sprints.
A Story is a small task . It is part of an Epic.
A Story Point is a number that represents how much effort a story takes to complete. (usually in form of Fibonacci series)

1- Very Easy task
2- Easy task
3- Moderate task
5- Difficult task

Sprint 1: (5 Days)
Data Collection
        Collection of Data 2
        Loading Data   1
Data Preprocessing
        Handling Missing Values   3
        Handling Categorical values 2

Sprint 2 (5 Days)
Model Building
        Model Building   5

Testing Model   3
Deployment
        Working HTML Pages 3
        Flask deployment   5

Total Story Points
Sprint 1 = 8
Sprint 2 = 16

Velocity= Total Story Points Completed/ Number of Sprints
Total story Points= 16+8 =24
No of Sprints= 2
Velocity = (16+8)/2= 24/2
12 (Story Points per Sprint)
Your team's velocity is 12 Story Points per Sprint.

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

Date	15 February 2025
Team ID	LTVIP2025TMID19445
Project Name	Cosmetics store management
Maximum Marks	5 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requiremen t (Epic)	User Story Number	User Story / Task	Story Points	Priori ty	Team Members
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	K.padmini v.Hemasri D.priyanka E.Ramalakshmi N.Naga durga manilakshmi
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	K.padmini v.Hemasri D.priyanka E.Ramalakshmi N.Naga durga manilakshmi
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	K.padmini v.Hemasri D.priyanka E.Ramalakshmi N.Naga durga manilakshmi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	K.padmini v.Hemasri D.priyanka E.Ramalakshmi N.Naga durga manilakshmi
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	K.padmini v.Hemasri D.priyanka E.Ramalakshmi N.Naga durga manilakshmi
sprint-2	Dashboard	USN-6	As an admin ,I can view user statistics on the dashboard.	3	high	K.padmini v.Hemasri D.priyanka E.Ramalakshmi N.Naga durga manilakshmi
sprint-2	Dashboard	USN-7	As an admin,I can generate reports from the dashboard.	3	medium	K.padmini v.Hemasri D.priyanka E.Ramalakshmi N.Naga durga manilakshmi

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	20	04 nov2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	10 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	17 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	24 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)

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

Burndown Chart:

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.

CONCLUSION:

The planning phase of the Cosmetic Store Management project has established a solid foundation for the development of an integrated management system. The project's objectives, scope, and deliverables have been defined, and a comprehensive plan is in place to ensure successful execution. With a clear understanding of the project's requirements and timelines, the project team is now ready to proceed with the development phase.

THANKYOU TEAM SMARTBRIDGE

K.PADMINI(TEAM LEADER)