Project Design Phase
Proposed Solution Template

Date	28 June 2025
Team ID	LTVIP2025TMID30350
Project Name	Cafeteria Menu Display
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The Cafeteria Menu Display Portal will enhance the management, publication, and accessibility of daily and weekly cafeteria menus across an organization. Administrators will be able to create, update, and publish menus efficiently, ensuring employees have real-time access to meal options. The portal will streamline the approval process for new menus, automate menu scheduling, and maintain a historical record for future reference. Employees can easily view upcoming meals, dietary options, and special offerings, improving cafeteria engagement and meal planning. By centralizing menu management, the platform will reduce manual effort, minimize errors, and enhance the overall dining experience for employees.

2.	Idea / Solution description	The **Cafeteria Menu Display Portal** is a centralized web-based platform designed to simplify and optimize the management, publication, and accessibility of daily and weekly cafeteria menus across an organization. This solution empowers cafeteria administrators with intuitive tools to efficiently create, update, and publish menus, ensuring that employees have timely and accurate access to meal options. The portal features a streamlined approval workflow that allows for easy review and authorization of new menus before they go live, reducing delays and errors in the menu publication process. Automated scheduling capabilities enable menus to be published automatically at predefined times, supporting
		consistent communication of meal offerings without manual intervention. Employees benefit from a user-friendly interface that provides real-time visibility into upcoming meals, dietary accommodations (such as vegan or gluten-free options), and special menu items. This transparency improves meal planning and cafeteria engagement by catering to diverse preferences and dietary needs.
3.	Novelty / Uniqueness	1.**Automated and Intelligent Menu Scheduling:** Unlike traditional manual menu posting, this portal automates menu scheduling with support for recurring menus and smart reminders, reducing administrative overhead and ensuring consistent updates without human error. 2.**Real-Time Employee Engagement and Feedback Loop:** The system allows employees not only to view menus but also to rate meals and provide feedback directly through the portal. This ongoing dialogue drives continuous improvement and responsiveness, creating a user-driven cafeteria experience.

4.	Social Impact / Customer Satisfaction	**1. Promoting Healthier Eating Choices:** By providing detailed information on dietary options, allergens, and nutritional tags (e.g., vegan, gluten-free), the portal empowers employees to make informed and healthier meal decisions. This transparency supports wellness initiatives and fosters a culture of health-consciousness within the organization. **2.Reducing Food Waste:** Accurate menu forecasting and historical data enable cafeteria management to better anticipate demand, reducing over-preparation and food waste. This contributes to the organization's sustainability goals and responsible resource use.
5.	Business Model (Revenue Model)	**1. SaaS Subscription Model (Software as a Service)** Offer the portal as a cloud-based subscription service with tiered pricing based on organization size, features, or number of users. **Basic Plan:** Core menu creation, viewing, and scheduling features for small organizations.
		Standard Plan: Includes approval workflows, bulk uploads, and dietary tagging for medium organizations. **Enterprise Plan:** Full features including integrations (Slack, Teams), analytics, digital signage support, and custom branding for large enterprises.

6.	Scalability of the Solution	**1. Technical Scalability** **a. Cloud-Native Architecture:** By leveraging cloud platforms like AWS, Azure, or Google Cloud, the portal can scale resources (compute, storage, bandwidth) dynamically based on demand—supporting thousands of concurrent users without performance degradation. **2.Operational Scalability** **a. Automation of Routine Tasks:** Recurring menu scheduling, approval reminders, and employee notifications reduce manual workload as the user base grows—allowing the system to function efficiently with minimal administrative effort.