

AI Maestros

AI Maestros is a time-bound development challenge designed to assess participants' ability to strategically use AI tools for building a functional full-stack web application. The focus is on prompt engineering, AI-assisted development efficiency, logical implementation, and execution under time constraints.

1. Project Title

SmartCanteen – Digital Food Ordering & Management System

2. Problem Statement

College canteens often face issues such as long queues, manual order tracking, food availability confusion, and inefficient management. Develop a responsive full-stack web application that digitizes the food ordering process and enables basic administrative management. The system should streamline ordering, improve clarity, and ensure structured handling of food items and orders.

3. Core Functional Requirements

User Module

- Registration & Login with OTP
- Browse Available Food Items
- Add to Cart
- Place Order
- View Order Status

Admin Module

- Admin Login
- Add / Edit / Delete Food Items
- Update Availability
- View and Manage Orders

4. Technical Expectations

- Full-stack implementation required
- Backend integration mandatory
- Dynamic data storage and retrieval
- Responsive UI
- Basic validation and logical routing
- Use of AI tools is permitted

Rules & Evaluation

1. Time Limit

90 Minutes (1.5 Hours)

All development and demo preparation must be completed within this duration.

2. Allowed Resources

- AI tools and LLMs
- AI-powered code editors
- Open-source libraries
- Internet access (if permitted)

3. Restrictions

- No pre-built complete project templates
- No prior prepared full solutions

4. Submission Requirements

- Working Demo
- 2–3 minute explanation covering:
 - AI tools used
 - Prompting approach
 - Development strategy

5. Evaluation Criteria

- Prompt Engineering Strategy
- Effective AI Tool Utilization
- Functional Completion
- Logical Data Flow
- UI/UX & Responsiveness
- Debugging & Adaptability