

Project Design Phase
Proposed Solution Template

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| Date | 15 February 2026 |
| Team ID | LTVIP2026TMIDS80365 |
| Project Name | Cafeteria Menu Display |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | Cafeterias currently rely on manual paper menus that require daily rewriting, leading to inaccurate information, inability to communicate sold-out items, wasted printing costs, and customer dissatisfaction due to outdated pricing and availability. |
| 2. | Idea / Solution description | A digital web-based Cafeteria Menu Display System built with ServiceNow developer that allows staff to instantly update menu items, prices, and availability through a secure admin panel, with changes automatically reflected on a customer-facing display screen. |
| 3. | Novelty / Uniqueness | Unlike static paper boards, the system features auto-refresh functionality every 5 minutes, dietary icons for special needs, category-based filtering, and out-of-stock indicators, all managed through an intuitive admin interface requiring no technical expertise. |
| 4. | Social Impact / Customer Satisfaction | Reduces staff workload and stress from manual menu updates, eliminates customer confusion over unavailable items, helps individuals with dietary restrictions make informed choices, and creates a modern, professional cafeteria environment. |
| 5. | Business Model (Revenue Model) | One-time setup fee for hardware and software installation combined with a monthly subscription for maintenance, updates, and cloud backup, targeting college cafeterias, corporate canteens, and restaurant chains. |
| 6. | Scalability of the Solution | The modular architecture allows for easy expansion to include mobile app ordering, digital payments integration, inventory management, sales analytics, and multi-location support across multiple cafeterias from a central admin panel. |