**Project Design Phase**

**Proposed Solution Template**

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID29913 |
| Project Name | Medical inventory management |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Healthcare facilities often face issues like stockouts,expired supplies,lack of real-time visibility, and manual tracking errors in managing medical inventory. |
|  | Idea / Solution description | A smart medical inventory management system using loT, AI,and Cloud technologies. |
|  | Novelty / Uniqueness | The system combine AI Forecasting, IoT-based smart shelves, and block chain for Secure tracking. |
|  | Social Impact / Customer Satisfaction | Improves patient safety by reducing supply shortage and expired item Usage. |
|  | Business Model (Revenue Model) | Subscription-based SaaS Model for hospital and clinics. |
|  | Scalability of the Solution | Easily scalable to hospital of all sizes, including multi-location chains. |