# Project Design Phase-I
## Proposed Solution

| | |
|---|---|
| Date | 15 February 2026 |
| Team ID | LTVIP2026TMIDS51614 |
| Project Name | Online Payments Fraud Detection using Machine Learning |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

| S.No. | Parameter | Description |
|---|---|---|
| 1. | Problem Statement (Problem to be solved) | Online payment fraud is on the rise, as evidenced by the rapid growth of online transactions and the surge in e-commerce activity. To reduce this threat, it is important to develop and implement an advanced fraud detection system. |
| 2. | Idea / Solution description | We need to develop and implement a cutting-edge fraud detection system using A.I to reduce the number of fraudulent activities. |
| 3. | Novelty / Uniqueness | Developing a fraud detection system that uses A.I to identify patterns of fraudulent behaviour in real time that would be difficult for clients to identify. |
| 4. | Social Impact / Customer Satisfaction | Protected consumers and businesses and reduced financial losses. It guarantees the clients that they will be reimbursed for any fraudulent transactions. |
| 5. | Business Model (Revenue Model) | Clients pay a monthly or an annual subscription fee to use the fraud detection system. The developer is entitled to receive 2% of the funds that users pay for fraud detection services. This means that for every transaction made by users through the fraud detection system, the developer shall receive a 2% share of that amount as compensation for their work or contribution to the service. |
| 6. | Scalability of the Solution | The fraud detection system is able to handle large amounts of data and traffic without decreasing the performance. |