

**Project Design Phase-I**  
**Proposed Solution Template**

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Project Name: AI-Based Threat Intelligence Platform

Maximum Marks: 2 Marks

**1. Problem Statement (Problem to be solved)**

Providing real-time, actionable threat intelligence to security analysts and organizations is challenging due to the volume and variety of threat data from diverse sources.

**2. Idea / Solution description**

Develop an AI-based platform that aggregates threat intelligence from open-source feeds (e.g., AlienVault OTX), preprocesses the data, and provides visualizations, anomaly detection, and search capabilities using Streamlit, Plotly, and scikit-learn.

**3. Novelty / Uniqueness**

Integrates real-time data fetching with interactive dashboards and customizable anomaly detection, offering a user-friendly interface for non-technical users alongside advanced analytics for experts.

**4. Social Impact / Customer Satisfaction**

Enhances cybersecurity awareness and response times, protecting organizations and individuals from cyber threats, leading to increased trust and satisfaction among users.

**5. Business Model (Revenue Model)**

Freemium model: Free basic access with limited queries; premium subscription (e.g., SuperGrok-like) for higher quotas and advanced features.

**6. Scalability of the Solution**

Designed with a microservices architecture, cloud deployment options, and database scalability (SQLite extendable to cloud databases), supporting growth in data volume and user base.