

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

Date: 23 August 2025

Name : Mansi Chougule

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.