Project Design Phase-I
Proposed Solution Template

Date	23 October 2023
Team ID	9.3
Project Name	Network Anomaly Detection
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Identification of Malicious Data Packets
2.	Idea / Solution description	The data in the packet are extracted and analysed and if malicious data is found, the server blacklists the IP address.
3.	Novelty / Uniqueness	The data is extracted in the form of a string and the details are sent to AI (OpenAI's GPT4) to analyse.
4.	Social Impact / Customer Satisfaction	Because the analysis comes from an AI, it can detect possible new malicious codes as well as ones that already exist.
5.	Business Model (Revenue Model)	Businesses and Organizations can use the server model to scan their traffic and keep their server safe. Every year, almost $5 Billion is lost in Data Leaks and Breaches.
6.	Scalability of the Solution	The solution is currently small scale, but can be easily scaled to work on much larger systems and traffic.