# Monitoring Session

9/11/2023

## Page #1: Introduction

Assalamualaikum and Good day I bid to the panels. Thank you for listening to my presentation.

My name is Ahmad Osama bin Roslan, and I am delighted to present my final year project titled: Native Threat Intelligence Platform (TIP) with vulnerabilities management under the supervision of Dr Muhammad Faiz bin Mohd Zaki.

To provide some insight, let me briefly discuss the problem that led to the production of this project.

## Page #2: Problem Statement

Today, there is an increasing number and complexity of vulnerabilities in critical infrastructure and systems, a Lack of mobile capabilities in the existing threat intelligence platform, and less efficient awareness and responses of security analysts to potential incidents.

All of these issues are significant because they could lead to a security breach and data loss to an organization.

## Page #3: Objective

The objective of this project is to study the existing TIP with mobile capabilities, to propose a mobile application of TIP with vulnerability management features, and to develop a mobile application of TIP with capabilities to generate an overview of the organization's security.

## Page #4: Comparison of TIPs

After an extensive exploration through literature reviews and a comprehensive comparative study, we've identified various competitors in the market. While each TIP highlights its unique qualities, what separates our project is its excellent mobile feature capabilities.

## Page #6: Summary of overall work

Within our team, we have strategically organized members into two specialized groups focusing on distinct applications: AI chatbot capabilities and the Threat Intelligence Platform. Each group is assigned specific responsibilities and features tailored to their respective domains.

In my role, I am responsible for developing the front end of the Threat Intelligence Platform. The modules encompassed within this platform include user authentication, search and discovery, data collection, and endpoint discovery.

## Page #7: System Design

To enhance the understanding of the project, allow me to present a comprehensive overview of the system design. The final product of the project will be the integration of the Threat Intelligence Platform (TIP) and the AI chatbot assistant, that spans both web and native applications.

## Page #8: System Module

Now, almost all of the module has been completed and there are still some of the modules are still in progress. After all of these modules have been completed, we will integrate with AI chatbot team.

## Page #9 : Technical Implementation (Data Collection)

Collects data from various sources, including Internal Log Data, Vulnerability Feeds and Security Feeds

## Page #10: Technical Implementation (Endpoint Discovery)

Collects the information about the endpoint that can be used to conduct vulnerability mapping to the endpoint

## Page #12: Technical Implementation (User Authentication)

Provides Login, Logout, Register and User Management Features into the system

## Page #13: Technical Implementation (Search and Discovery)

Enable users to search information or records based on given search criteria and display the relevant information

## Page #14: Technical Implementation (PWA Implementation)

## Page #15: User Interface

## Page #16: Error Free Operation

## Page #17: Error Handling

## Page #19: Collaboration