MEETING MINUTES

Project Summary

Meeting Number	4
Date and Time	05/12/ 25, 11.00
Project Name	Network Traffic Profiler Dashboard
Attendees	Timothy Birtles, Sophia Krasowski, Tomiris Ashim, Amelia Lee, Tomek Bergier

Key Discussion Topics	Discussion Points
Machine Learning	● The team confirmed the system currently uses unsupervised machine learning. ● Sophia explained that any data point outside the expected scale or distribution is marked as anomalous. ● Tomek asked for clarification on how standard deviation is calculated. - Each feature (packet count, flow duration, byte size, etc.) has its own standard deviation. ● Client agreed unsupervised ML is appropriate for the final system. ● Supervised ML may be used later to validate or benchmark anomaly detection performance.
Dashboard Design Feedback	● Overall dashboard look and structure was approved; no major visual changes required. ● Client agreed on implementing a Help section to improve non-tech user understanding. ● Suggested removing the “Packets per Protocol” chart as TCP and UDP data look too similar to be useful. ● Traffic Over Time graph requires adjustments).
GitHub Repository & Licensing	● Client confirmed the team may independently choose the GitHub license (public or private).
Issues with Provided PCAP Files	● Client noted that provided PCAPs contain no end-of-flow information, causing incomplete flows.

	● Many flows flagged as “invalid” may be artefacts of missing end packets rather than true anomalies. ● Filtering and anomaly logic may need adjustments to reduce false positives.
ACTION ITEMS	
Send Github Repository to Tomek.	
Send the project plan to the client for signature, with ownership details and LSEP compliance.	