MEETING MINUTES

Project Summary

Meeting Number	1
Date and Time	30 /10/ 25, 1pm
Project Name	Network Traffic Profiler Dashboard
Attendees	Timothy Birtles, Sophia Krasowski, Tomiris Ashim, Tomek Bergier, Amelia Lee

Key Discussion Topics	Discussion Points
Project Guidelines Clarification	● Project will involve both provided data (pickup files) and data gathered independently - To note, some websites like Facebook and Tiktok defines bots quite well ● In the project guidelines: 'Extract and display relevant network flow features (e.g., number of packets, average size, duration, transport protocol)' - 'flow' and 'features' are differentiated but the priority should be placed on features ● Choice of development tools is flexible but suggested technologies include: Python, Linux, Wireshark ● No requirements to build a bot for this project. ● The project focuses on building a detection system that is prototype level, not production-ready. ● Website is to be hosted locally but optionally we can host it - Contact Tomek for assistance with hosting

Dashboard Requirements	1) It should showcase the type of user activity with relevant data 2) Minimal graphs displaying relevant information 3) Graphs needs to be simplified for user's understanding Example reference: MITG — tracking user activity over time*
Items to Consider	Determine which features to extract/ store and use from the pickup files.
ACTION ITEMS	
Next Steps	STEP 1: Capture additional data from pickup files - Identify websites that are bot-friendly for testing STEP 2: Extract relevant features from the data. STEP 3: Select an appropriate machine learning method to identify user activities
Additional Actions to Take	• Explore cloud credits for AWS and Microsoft Azure (student credits available) • Conduct research on: - Overall tech stack to be used - Machine learning platform - Libraries to aid in implementation