FYP Logbook Entry Sheet

Meeting No: 14   **Date: 2025-03-23**

Start Time: 10:00 am   **End Time: 12:00 pm**

Items Discussed:

1. Continued development of the real-time packet capture module with focus on DNS data extraction.
2. Discussed options for dynamically modifying settings.py values at runtime and the implications for Django's config system.
3. Explored solutions to fix the issue with the blank PDF generation for the router scan report.

Achievements:

1. Successfully extracted DNS-related data from captured packets and pushed it into Redis.
2. DNS data now displays on the frontend in both table and graphical formats.
3. Solved the issue with blank PDF downloads by rendering the report from the backend and passing it as an object, ensuring proper content is now generated in the PDF.

Problems:

No problems faced.

Tasks for Next Meeting:

1. Finalize and test the DNS data visualization and ensure consistency across cards, tables, and graphs.
2. Implement a working solution to allow users to change configurable values during runtime.
3. Display outgoing network traffic on a map using appropriate geolocation data.

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Student Sign   **Internal Supervisor Sign**   **External Supervisor Sign**