8.0 Work Date/Hours Log

Date	Student Name	Number of Hours	Description of Work
2025-10-20	Bright Ekeator	30 Minutes	Met with instructor to discuss project scope, tool selection, and proposal feedback.
2025-10-20	Bright Ekeator	1 hour	Team meeting to discuss project objectives, divide tasks, and plan analysis workflow for selected apps.
2025-10-24	Bright Ekeator	2 hours	Team meeting to set up the project proposal structure and created the GitHub repository for collaborative work.
2025-10-24	Bright Ekeator	3 hrs	Installed Andriller and set up test environment for Imo and Tinder APK extraction.
2025-10-27	Bright Ekeator	1 hour	Installed and configured Android Studio and AVD emulator with rooted image.
2025-10-28	Bright Ekeator	30 mins	Installed IMO app on emulator and confirmed package path
2025-10-29	Bright Ekeator	30 mins	Attempted adb backup on IMO; backup produced 1 KB file.
2025-10-30	Bright Ekeator	1 hour	Pulled internal IMO app data using adb pull.

Date	Name	Duration	Description
2025-10-31	Bright Ekeator	30 mins	Organized project folders for analysis outputs
2025-11-01	Bright Ekeator	1 hour	Installed Python environment and Andriller; verified modules
2025-11-02	Bright Ekeator	1 hour	Extracted .ab backup using Andriller and decoded data
2025-11-03	Bright Ekeator	1 hour	Opened SQLite databases and reviewed message tables.
2025-11-04	Bright Ekeator	1 hour	Identified encrypted BLOB message content.
2025-11-05	Bright Ekeator	1 hour	Analyzed shared preferences for configuration data.
2025-11-06	Bright Ekeator	1 hour	Documented folder sizes and data extraction process.
2025-11-07	Bright Ekeator	1 hour	Drafted initial analysis report.
2025-11-07	Bright Ekeator	1 hour	Re-verified data integrity and repeated extraction steps
2025-11-08	Bright Ekeator	3 hours	Researched runtime key extraction and alternative decryption methods
2025-11-08	Bright Ekeator	2 hours	Reviewed all databases and performed additional test extractions.
2025-11-12	Bright Ekeator	30 mins	Tried Installing another APk file for Tinder and tried sign in but unsuccessful

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2025-11-14	Bright Ekeator	30 mins	Prepared Progress report and compared previous analysis
2025-11-15	Bright Ekeator	2 hours	Attempted multiple Tinder APK installations (v14–v18), tested compatibility on emulator, collected crash logs.
2025-11-16	Bright Ekeator	1.5 hours	Research on Tinder root/jailbreak detection; attempted patching via apktool. **(Debugging time: 1 hr included)**
2025-11-17	Bright Ekeator	2 hours	Set up new emulator images (Android 11 & 12) to test APK compatibility.
2025-11-18	Bright Ekeator	1.5 hours	Used DCode to decode additional IMO timestamps; manually correlated values with call logs
2025-11-19	Bright Ekeator	2 hours	Deep dive into IMO shared preference XML files; recorded authentication token behaviour and storage paths.
2025-11-20	Bright Ekeator	3 hours	Full extraction test using Andriller TAR method; compared AB backup vs TAR output. **(Debugging time: 1 hr included — Andriller extraction errors)**

2025-11-21	Bright Ekeator	2 hours	SQLite DB Browser manual inspection of IMO call logs and message metadata; exported tables to CSV for report.
2025-11-22	Bright Ekeator	2 hours	Mapped Tinder cache directory contents; identified profile thumbnails and unmatched user artefacts.
2025-11-23	Bright Ekeator	3 hours	Attempted ADB-over-TCP connection between Windows host and Kali VM; resolved network bridging issues. **(Debugging time: 2 hrs)**
2025-11-24	Bright Ekeator	2 hours	Re-extracted IMO databases after emulator reset; validated consistency of timestamps across runs.
2025-11-25	Bright Ekeator	3 hours	Drafted Detailed Analysis section with screenshots; wrote correlation for call timestamps (UI → DB → DCode).
2025-11-26	Bright Ekeator	3 hours	Tinder forensic gap assessment: tested API-based message absence, confirmed no storage of unmatched swipes.
2025-11-27	Bright Ekeator	2 hours	Re-tested Andriller on Tinder TAR

			extraction; confirmed partial metadata recovery; documented database schema.
2025-11-28	Bright Ekeator	3 hours	Built Results & Insights section, focusing on manual DB Browser analysis and timestamp decoding. **(Debugging time: 1 hr — inconsistent timestamp formats)**
2025-11-29	Bright Ekeator	3.5 hours	Final report assembly
2025-11-29	Bright Ekeator	1 hour	Work Integration
2025-11-29	Bright Ekeator	1 hour	Video recording for submission
2025-11-29	Bright Ekeator	30 mins	Submission and push to GitHub.