



FAKULTI TEKNOLOGI MAKLUMAT DAN KOMUNIKASI
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

BITS3443: DIGITAL FORENSICS

PROJECT FORENSIC SKILL : Forensics Analysis

June 16, 2021

1 PROJECT OBJECTIVE

Due to the rapid changes to the technology nowadays, the incident become more sophisticated and the amount of potential evidence become huge. The digital traces currently are also generated by drones, vehicles and IoT devices, including on mobile devices. Thus, this scenario creates a challenge on investigating and analysing the incident due to lack of current forensics tools available in the market and also the expert of analysing the evidence. As the motivation, investigator needs upgrade their skill on analysis and develop their own scripts to help them on their investigation. Hence, the aim of this project is to provide students with the ability on analysing the forensics evidence. Students are also free to use any forensic tools that are available and suitable for their analysis and investigation.

Based on the **evidence provided**, students should **analyse the evidence and identify the scenario of case** and answering the questions on **Who, What, When, Where and How the incident happen**. Students are also encourage to develop their own forensics tool in order to facilitate them in analysing the evidence.

2 TASKS

1. This project must be completed in group (10 members)
2. Choose your group leader and members
3. The data used in this project must be downloaded from MTeams
4. Your group is required to submit the plan of analysis. The content must be covered on:
 - a) Objective of the analysis
 - b) Scope of the analysis
 - c) List of potential forensics tools
 - d) Method and design of the analysis
 - e) Milestone of analysis

3 DELIVERABLE

Your deliverable in this group project is as the following:

1. Plan of analysis must be submitted before or on **24th June 2021**
2. Each group is required to submit the analysis report as the following:

Item	Method of Delivery	Deadline
Full Analysis Report	Softcopy	01th July 2021
Tools (Pseudocode/Algorithm, Testing), if any	Softcopy	01th July 2021

3. The full analysis report should consist of the following:
 - a) Scenario of the case
 - b) Objective of the analysis
 - c) Scope of the analysis
 - d) Forensics tools that used for analysis
 - e) Method of any analysis done in detail (how the evidence is analyse)
 - f) Findings/results of the analysis (Please provide the elaboration of the findings/result in detail)
 - g) Conclusion of the analysis
 - h) Recommendation

3.1 IMPORTANT DATES

Submit a hardcopy and softcopy of your group project report and tool before or on **Friday (01th July 2021) before 6.00pm** by email at: sitirahayu@utem.edu.my.

Please take note that:

- Late submission will cause your project to be rejected.
- Attached a plagiarism report with the similarity index not more than 23%.