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DIGITAL FORENSICS CASE STUDY

UNIT -03

Case Study

In the field of digital forensics and investigation, timeline analysis is a crucial and useful procedure used to reconstruct, arrange, and analyse events that take place throughout time. This frequently provides investigators with case-related hints.

We can determine how crucial timeline analysis is in the field of forensics. Some essential elements of a timeline analysis would be as follows:

1. Time analysis enables investigators to establish a connection or correlation between specific events (represented by various data sources, such email timestamps, network logs, and system event logs) that occurred during a crime or even between different crimes. As a result, it is crucial in linking linked crimes.

2. By linking relevant information to data whose timestamps correspond to that of the crime event, it aids detectives in quickly filtering out extraneous data timestamps. The scope of the research is constrained. When working with a lot of data, this can be incredibly helpful.

3. Seeing the incidents in chronological order assists investigators in figuring out the attack's pattern. It will also be important in estimating how much the attack or crime would cost or affect people.

4. Typically, time analysis includes generating graphs or charts that visually illustrate the occurrences. This can simplify the complicated chain of events.