

SOLAPUR EDUCATION SOCIETY'S

S.E.S. POLYTECHNIC, SOLAPUR

Samrat Chowk, Solapur



C E R T I F I C A T E

This is to certify that **Suvarnalaxmi Lambture (3502)** of Sixth Semester of Diploma in Computer technology of Institute **Solapur Education Society's Polytechnic, Solapur(0095)** has satisfactorily completed micro-project titled **Case Study of falsification crime solved using digital forensics** in subject **“Emerging Trends in Computer and Information Technology” (22618)** for academic year 2021-2022 as prescribed by Maharashtra State Board Of Technical Education, Mumbai.

Place: Solapur

Enrolment No:1900950046

Date: / 05 / 2022

Exam Seat no:

(Mr. Kawathe A.R.)
Staff In-charge

(Mr. Patil M.C)
Head of Dept

(Bhawtankar A.A.)
Principal
S.E.S. Polytechnic,
Solapur

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Micro Project Report

Program: Computer Technology

Course (Code): Emerging Trends in Computer and Information Technology(22618)

Academic Year: 2021-2022

Semester/Scheme: 6th I

Title of microproject: Case Study of falsification crime solved using digital forensics

Name of the teacher: Mr.Kawathe A.R

Group Member:

Suvarnalaxmi Lambture

Roll No.

3502

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Program: Computer Technology

Annexure I

Rubric Evaluation of Microproject

Title of Microproject: **Case Study of falsification crime solved using digital forensics**

Sr.no	Roll No.	Name of Candidate
1	3502	Suvarnalaxmi Lambture

Sr. No	Criteria	Marks Obtained (Out of 2)	Indicators for different level of Performance (Evaluation Scale 0 to 2)		
			Poor (0)	Average (1)	Good (2)
1	Submission of Project proposal/Report		Not Submitted anything in time	proposal or project report submitted in time	Project proposal & project report submitted in time
2	CO/Microproject mapping		Not attained any CO/Micro.Pro.	Attained some CO/ Micro.Pro.	Attained maximum CO/ Micro.Pro.
3	Content of project/Formatting		Not contains relevant information	Contains some relevant information	Contains maximum relevant information
4	Total Marks (06)				
5	Question/ Answers (04)				
Out of (10)					

Name & Sign of Teacher

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Samrat Chowk, Solapur

Program: Computer Technology

Micro Project Proposal

Academic Year:2021-2022

Class: CM 6I

Course: Emerging Trends in Computer and Information Technology

Course Code:22618

Roll No:3502

Exam Seat no:

Title of Microproject: **Case Study of falsification crime solved using digital forensics**

Sr.no	Roll No.	Name of Candidate	Signature
1	3502	Suvarnalaxmi Lambture	

Key Points:

Defamation ,falsification,digital data extraction, digital forensics lab,case solving using digital evidence

Stationary/ Material / Tool Required:

Software:OS:Windows 11,Documentation:Microsoft Word,Browser:Google Chrome

References:

<https://www.cyberimmersions.com/digital-forensics/>

<https://www.cyberimmersions.com/client-defamed-on-whatsapp-authentic-evidence-by-cdfsl/>

Sign of Teacher

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S.E.S. POLYTECHNIC, SOLAPUR

Samrat Chowk, Solapur

Program: Computer Technology

CO/Microproject Mapping

Academic Year:2021-2022

Class:CM 6I

Course: Emerging Trends in Computer and Information Technology

Course Code:22618

Roll No:3502

Exam Seat no:

Title of Microproject: **Case Study of falsification crime solved using digital forensics**

Course Outcomes:

CO a	Describe Artificial Intelligence, Machine Learning and deep learning
CO b	Interpret IoT Concepts
CO c	Compare Models of Digital Forensic Investigation
CO d	Describe Evidence Handling procedures
CO e	Describe Ethical Hacking process
CO f	Detect Network, Operating System and applications vulnerabilities

Title of Microproject	CO a	CO b	CO c	CO d	CO e	CO f
Case Study of falsification crime solved using digital forensics	-	-	✓	✓	-	-

*put – (dash) if cannot mapped with CO

Sign of Teacher

Client Defamed on WhatsApp; Authentic Evidence by CDFSL

This case is distinct from all the other cases than usually handled at Cyber Immersions Digital Forensics Solutions Laboratory (CDFSL), as most of the cases are criminal cases involving electronic evidence in which their digital/cyber forensic professionals examine digital evidence to check authenticity and integrity or modifications or tampering in the media based on the metadata of the evidence media received, extract deleted or hidden data from the storage media, and gather artifacts which can help legal services provider in cross examination.

Case Brief

This case study is about a defamation case filed by a client, a 65-year-old person who received certain derogatory messages on his '**WhatsApp Messenger**' from a known person who also belongs to his community. The person has defamed their client personally in the chat as well as put certain allegations on him in a mutual group on WhatsApp. Their client hired the legal counsel from the well reputed legal services provider named "**Hazen Legal Associates**". **The main challenge in front of the legal counsel was to prove the authenticity of the messages received by the client from the person on WhatsApp Messenger, for which they sought CDFSL assistance.**

Role of CDFSL

CDFSL, along with the client's legal counsel worked on the case and understood the facts. To provide best support to client, they took acquisition of clients' mobile phone for forensic examination on which he had received those messages on '**WhatsApp Messenger**'.

Sections of Law:

Section 499 of the IPC, Section 500 of IPC

Forensic Examination Adopted

A mobile forensics software toolkit **UFED Ultimate- Cellebrite**, licensed to us, was used to examine the client's mobile phone. The Integrated Digital Investigation Process (IDIP) was used for investigation in this case. During the analysis, they identified the individual chat of their client and the wrongdoer, based on the mobile phone numbers of both the parties. Further, the group was also identified and all the relevant messages for a given time period were extracted and, a report for the same was generated.

Issue of Report Containing Evidence and 65 B certificate

The report containing the forensic software generated evidence that he received those messages (identified by client) from the person had been provided to the client.

Along with the report, the necessary conditions under the Section 65B of Indian Evidence Act were also fulfilled and, Certificate under Section 65B, supporting the report was also attached. Further, the client's legal counsel presented the forensic examination report along with the Certificate to support their evidence in court.

The alleged was fined and sentenced for two years imprisonment.