**A Report**

**On**

**Web Browser Forensics**

by

**Mayur Rajendra Jadhav (162050022)**



**Veermata Jijabai Technological Institute**

**Matunga, Mumbai**

Department of Computer Engineering & Information Technology

2017-2018

**DECLARATION**

I declare that this written submission represents my ideas and does not involve plagiarism. I have adequately cited and referenced the original sources wherever other ideas or words have been included. I also adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of above will be cause for disciplinary action against me by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom.

Date:

Mayur Jadhav (162050022)

**Veermata Jijabai Technological Institute, Matunga**

Department of Computer Engineering & Information Technology

# CERTIFICATE

#### This is to certify that the Report entitled

**Web Browser Forensics**

by

**Mayur Rajendra Jadhav (162050022)**

In partial fulfillment for the degree of Master of Computer Engineering.

Guide HOD

Examiner 1 Examiner 2

**Acknowledgement**

I am grateful to my project guide **Dr. B.B. Meshram** for providing me the opportunity to work in an exciting and challenging field of **Computer Forensics.** My interactions with him have been of immense help in defining my project goals and in identifying ways to achieve them.

I thank **Dr. V. B. Nikam (Head of Computer Engineering and IT Department)** for spending his valuable time for carefully reviewing this Dissertation. His valuable comments and suggestions have been very useful in enhancing the statement of problem and the ways it can be achieve.

Further, I would also like to thank other faculty members for their comments and opinions and above all valuable guidance and timely suggestions to accomplish the project dissertation.

- Mr. Mayur Rajendra Jadhav

**Statement of the Candidate**

I state that work embodied in this synopsis of Dissertation titled **“Web Browser Forensics”** from my own contribution to the work carried out under the Guidance of Dr. B. B. Meshram at the Department of Computer Engineering and Information Technology, Veermata Jijabai Technological Institute, Mumbai. The report reflects work done during the period of candidature but may include related preliminary material provided that it has not contributed to an award of a previous degree. No part of this work has been used by me for the requirements of another degree except where explicitly stated in the body of the text and in the attached statement.

Mr. Mayur Rajendra Jadhav

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M. Tech. (Computer Engineering)

[162050022]

Date:

**Organization of Report**

**Report Orientation**

The report will comprise of four chapters with different content and scenarios providing the complete detail about the project. The report is completed in such a way that it first provides the background knowledge about the computer forensics and then gives the thorough details about it. The different chapters of the report are as follows:

**Chapter 1: Introduction**

This chapter will provide introduction to Forensics. It also discusses the background and history of this domain. Various drawbacks of existing systems in the past which motivated in proposing a new system as the project work are also discussed. This chapter will describe the problem statement of the project and how modules of this project will work in brief.

**Chapter 2: Literature Survey**

The chapter starts by discussing the available literature in general. It focuses on all the topics in detail. Different approaches developed and implemented in the past for providing Web forensics are discussed. It discusses forensics in detail right from network to the host machine which can be used to collect all evidences and analyze them. Browser forensics is focused apart from the main discussion. This chapter concludes by explaining how the literature survey helped to propose a new system for Browser Forensics.

**Chapter 3: Object Oriented System Analysis and Design**

This chapter is basically divided into Object Oriented System Analysis and Object Oriented System Design. System analysis will comprise of class diagram, use case diagram, state transition diagram, sequence diagram and lastly the activity diagram.

**Chapter 4: Implementation**

This chapter introduces setup requirements for implementing and executing the proposed system. It gives a short description about how the system was implemented along with the screenshots of the working system. Further it discusses results and discussions about the project work again with the help of screen shots. Finally last section concludes the chapter.

**Chapter 5: Conclusion and Future Research Direction**

This chapter gives the conclusion and future scope for the proposed system. It discusses how the proposed system is better over already existing systems in the domain and also sheds light on what can be the improvements and future research in the same.