

# CERTIFIED REVERSE ENGINEER AND MALWARE ANALYST | CREMA

C.R.E.M.A



**COURSE**  
B R O C H U R E



# Introduction to the Course

Reverse Engineering refers to the process in which software is decoded to learn about its details, architecture, vulnerabilities, or to extract knowledge from the software.

Reverse Engineering helps in vulnerability assessment in software and analyses the same for virus attacks. These virus attacks are common in the form of malware. Reverse Engineering helps us to analyze the depth of the problem and provides solutions based on that analysis. It is used for various purposes; to make software interoperate with higher efficiency or to join data between various OSs, and to disclose unrecorded attributes of commercial goods.

In-depth knowledge on the analysis of malware and its structure will help the student apply for suitable job posts related to this field. The Certified Reverse Engineer and Malware Analyst | CREMA course by IEM Labs has become quite acclaimed not only in America but also in other locations in the world as well.

## Focus Areas



Interface



Repurposing



Obsolescence



Security Analysis



What offers this course much value addition is that IEM Labs ceaselessly provides hands-on exposure to all its students. The trainers train the students according to internationally acclaimed processes. IEM Labs constantly focuses on projects and practical-based classes to make the students more erudite and improve their career prospects.

IEM Labs focuses on providing the best possible training to the students via both online and offline training sessions. It uses platforms like Google Hangout Meet, Go to Meeting, and Zoom for doing so. The most helpful aspect for a student in getting educated by IEM Labs is that they have complimentary access to the lab facility. In this way, all the students from the date of admission can utilize the online virtual lab set up by IEM Labs for honing their skills and collecting useful study materials, suggestions, tools, and pre-recorded videos to make things smoother for them.

## Market Job Openings

Given below are the **Certified Reverse Engineer** and **Malware Analyst** jobs that are available aplenty for both students and working professionals.

**Mobile Device Developer  
and Reverse Engineer**

[Click Here to View Jobs](#)

**Cyber/IT Security Specialist**

[Click Here to View Jobs](#)

**Malware Research Analyst  
(Cyber Security)**

[Click Here to View Jobs](#)

**Manager - Malware Analyst**

[Click Here to View Jobs](#)



# About the Course

Course Type - Basic

Eligibility Criteria: -

- ➔ Knowledge of Malwares and Development Process
- ➔ Knowledge on Cyber Security and Penetration Testing
- ➔ Minimum System Configuration Required: -
  - o Intel i5 Processor
  - o 8GB RAM
  - o 1TB Hard Disk

Batch Size - 5 students maximum

Course Duration - 40 hours

Online

Offline

Course Fee: -

**20000 INR**

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Training Location: -

Any

Kolkata

# Course Content

Module 01	Introduction to Malware Analysis
Module 02	Lab Setup
Module 03	Anatomy of Portable Executable (PE) File
Module 04	Basic Working Principle of a Malware
Module 05	Different Types of Malwares Functionalities
Module 06	Crash Course in x86 Disassembly
Module 07	Static Analysis Techniques
Module 08	Dynamic Analysis Techniques
Module 09	Shellcode Analysis Techniques
Module 10	Analyse Metasploit Generated Malware Samples
Module 11	Analyse Non-Executable Malware (PDF, JavaScript etc.)
Module 12	Analyse Malware in Office Document (Macro)
Module 13	Unpacking Malwares
Module 14	Introduction to Reverse Engineering
Module 15	Windows Architecture
Module 16	Assembly Language Fundamentals
Module 17	Reverse Engineering Techniques
Module 18	Anti-Reversing Techniques
Module 19	Project

# MALWARE





# C.R.E.M.A.

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