

JADAVPUR UNIVERSITY  
COMPUTER AIDED DESIGN CENTRE  
Faculty Council of Engineering and Technology  
Kolkata - 700 032

**Certificate Course on  
Computer Forensic Course**

**Scope**

Computer forensics (also known as computer forensic science) is a special stream of digital forensic science relating to evidence found in computers and digital storage media. The intention of computer forensics is to check the digital media in a forensically sound manner for identifying, preserving, recovering, analysing, and presenting facts and opinions about digital data.

Anyone who wishes to take up career in law enforcement (police), judiciary, Law, etc need to take up this course. Practicing lawyers, existing police officers and auditors will find this course useful.

**Course Duration:** 32 hrs.

**Eligibility:** Higher Secondary passed with basic knowledge of computer hardware  
Participants must have mobile devices running Android 4.0.3 or above;  
laptop/desktop computer with Windows; and stable internet connectivity. Google Meet should be preinstalled the mobile device.

Course Content

| Sl. No. | Topic  | Theory hours | Practical hours | Total No. of hours |
|---------|--|--------------|-----------------|--------------------|
| 1       | <ul style="list-style-type: none"><li>Introduction</li></ul>   | 1            | 1               | 2                  |
| 2       | <ul style="list-style-type: none"><li>Investigation Process</li></ul>  | 1            | 1               | 2                  |
| 3       | <ul style="list-style-type: none"><li>Searching and Seizing Computers</li><li>Digital Evidence</li><li>First Responder Procedure</li></ul> | 1            | 1               | 2                  |
| 4       | <ul style="list-style-type: none"><li>Computer Forensics Lab</li></ul>   | 1            | 1               | 2                  |
| 5       | <ul style="list-style-type: none"><li>Understanding Hard Disk and File System</li><li>Windows Forensics</li></ul>                          | 1            | 1               | 2                  |
| 6       | <ul style="list-style-type: none"><li>Investigating Web Attack</li></ul>   | 1            | 1               | 2                  |

|    |  |           |           |           |
|----|--|-----------|-----------|-----------|
| 7  | <ul style="list-style-type: none"> <li>Tracking Emails and investigating Email crime</li> </ul>            | 1         | 1         | 2         |
| 8  | <ul style="list-style-type: none"> <li>Mobile Forensics</li> </ul>   | 1         | 1         | 2         |
| 9  | <ul style="list-style-type: none"> <li>Data Acquisition and Duplication</li> </ul>                         | 1         | 1         | 2         |
| 10 | <ul style="list-style-type: none"> <li>Deleted File and Partition Recovery</li> </ul>                      | 1         | 1         | 2         |
| 11 | <ul style="list-style-type: none"> <li>Network Forensic and Investigating Network Log</li> </ul>           | 1         | 1         | 2         |
| 12 | <ul style="list-style-type: none"> <li>Steganography and image file forensic</li> </ul>                    | 1         | 1         | 2         |
| 13 | <ul style="list-style-type: none"> <li>Application Password Cracker</li> </ul>                             | 1         | 1         | 2         |
| 14 | <ul style="list-style-type: none"> <li>Log capturing and Event correlation</li> </ul>                      | 1         | 1         | 2         |
| 15 | <ul style="list-style-type: none"> <li>Investigating Wireless attack</li> </ul>                            | 1         | 1         | 2         |
| 16 | <ul style="list-style-type: none"> <li>Investigative Report</li> <li>Becoming an Expert Witness</li> </ul> | 1         | 1         | 2         |
|    | <b>Total</b>   | <b>16</b> | <b>16</b> | <b>32</b> |

**Doubt Clearing Session:** *One extra session for 2 hours at the end of the course.*

**Certificate:** Completion certificate (in printed form) will be provided at the end of the course.