



Advance Certificate Program

# Forensic Odontology

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## About Institute

Sherlock Institute of Forensic Science, SIFS India came into existence in 2006; since then, it has been rendering its quality programs and pioneering in forensics, with a highly appreciative and endearing approach from its students. Striving to make its name and identity in the beginning years, Sherlock Institute of Forensic Science India has been a leading institute in India in the fields of forensics, marking its presence for about a decade. The institute has been operating actively in various areas, delivering inevitable excellence and commitment towards the betterment of society, breaking the saga that forensics has always been a neglected issue in an Indian setup, the institute aims to be an integral body providing reliable, efficient and competent programs in all areas of forensics, whether it be an investigation, education, or research.

To date, we have marked our skilled presence throughout the country, in the various government and private sectors. Our performance and presence have been highly appreciated and are considered accountable by our renowned list of patrons. To date, the institute is known to show its effective presence and participation in the grounds of forensic investigation, forensic education, forensic research and development. Its passionate and determined team of experts, along with the director, Dr. Ranjeet Kr. Singh, as its mentor, has led and guided the team with an affirmation to render excellent, error-free programs with a determination to excel in the grounds of forensics.

After marking our presence nationally, we have remarkably manifested our international presence after collaborating with international companies. We have our associates in England, Ireland, United States, United Arab Emirates, Nigeria, Ghana, Uganda, Thailand, Poland, Romania, Afghanistan, Mexico, Texas, Tanzania, Egypt, Jamaica, Indonesia, Italy, Australia, Maldives, and the checklist continues.



# Message from Director's Desk

**Dr. Ranjeet Singh**  
Ph.D, M. Sc.

"Dream it, Wish it, Do it." SIFS INDIA is a new generation investigation workforce that understands the growing problems and the need for forensics in all industries and is geared up for educating, training and preparing high-quality forensic professionals to fulfil future needs. When I started the company, it was a great challenge to develop and provide a platform allowing equality for all participants. Platforms are all built on the philosophy which will give you the light of hope and that however or whoever comes forward, the opportunities to succeed are equal for all. During the last 10 Years, SIFS INDIA has witnessed an unprecedented change in the market and opportunities for Professional Forensic Services.

The projected future demand indicates a similar increase in opportunities. Once trained, budding forensic professionals have to seamlessly adapt and leverage this dynamism to benefit the organizations they serve. A successfully trained forensic professional should be capable of identifying future trends and opportunities beyond current boundaries and develop a strategic vision on the grounding of in-depth knowledge and professional insight. The era of modern scientific Forensic Investigation has proffered the demand for "Excellence in Performance", correctly relegating mediocrity and inefficiency to the past.

Turning out "A confident, competent, dynamic and innovative" forensic professional is what we consistently strive for at SIFS INDIA. I am confident that our highly trained "Competent Forensic Professionals" will prove to be indispensable assets to society and the legal and financial industry. I highly endorse the principle "Never give up doing the job that you're passionate about." "To achieve a safe and secure totality of surrounding conditions for all the people with integrity, render a responsible and effective service of high quality accessible to every person."



## About Program

Forensic Odontology is one of the fastest evolving branches of forensics that applies dental science to legal investigations. This domain primarily involves gathering the dental remains such as bite marks on the victim or at the crime scene or human remains to verify the dental records leading to the offender's identification. Mass Disasters, age estimation in juveniles and children, dental remains in complex crimes etc., is where forensic odontology has proved to be the most crucial science helping in connecting the dots. Forensic Odontologists are trained professionals who aid the criminal justice system in identifying, lifting and preserving dental evidence, which can be beneficial.

This forensic odontology program aims to provide the knowledge and experience required to testify in court and work on factual grounds. It aims to impart the learner with a basic understanding and challenges faced when interacting with police officials and legal professionals to justify the evidence in the court of law. This program will also equip the learner with hands-on sessions to deeply absorb the theoretical concepts into practice.

The learners will receive and gather knowledge regarding:

- › Concepts and Principles in Forensic Odontology
- › Identification of individuals from dental remains and records
- › Legal challenges to forensic odontologists and their role in the court of law
- › Age estimation and reconstruction for identification for legal purposes
- › Hands-on practice for real cases



# Admission Procedure

# Student will Receive



- eID Card
- Hands-on Practice
- Forensic eBooks and Research Papers
- Marksheet
- Certificate
- 24x7 Study Portal



# Program Syllabus

## MODULE 1

### INTRODUCTION TO FORENSIC ODONTOLOGY

This module will give a brief overview of Forensic Odontology, covering its various historical perspectives, career aspects, scope and role of forensic odontologist, qualification required to become a forensic dentist and medico-legal significance.

## MODULE 2

### HUMAN TOOTH IDENTIFICATION

This module provides information about the history, purpose, principles, and aspects of human tooth identification. This module will also encompass DNA profiling, identification through palatal rugae, medical conditions and treatment, habits and addiction, and occupational hazards.

## MODULE 3

### AGE ESTIMATION

This module also encompasses the principles of age estimation using dentition, the need for age estimation, and chronological age estimation. It will cover dentition as an age indicator, morphological methods for assessing age in adults and age-related changes in teeth.

## MODULE 4

### FORENSIC ODONTOLOGY IN MASS DISASTERS AND ITS MANAGEMENT

The module includes an introduction, history, types of mass disasters and disaster scene management, including the organization, duties and functions of various dental teams. The module will also enrich the learners' knowledge about Disaster Victim Identification (DVI).

## MODULE 5

### BITE MARKS

This module will deal with the introduction of the Bite-marks, including the bite-mark's history, nature and mechanism. It will cover the nomenclature, classification on different bases, impression and study casts, bite mark injuries and the significance of bite marks as physical and biological evidence.

## MODULE 6

### BITE MARK ANALYSIS

This module explains the introduction and history of the bite-mark analysis, the steps involved in the investigation, and the analysis for finding the victims and the suspect from the start of the history recorded. It will discuss the significance and legal limitations of the bite-mark evidence.

# Program Details



## DURATION

6 Months

## STRUCTURE

- › 24\*7 Access to Study Portal
- › 40 Hours Online Live Interactive Sessions
- › Access to 500+ eBooks and other study material
- › Hands-on Practice Sessions (Lab Training in Delhi for 3 Days)
- › Regular Assessment (15 Tests and 1 Assignment)

## EXAMINATION

One Final Exam (MCQ Format)

## ELIGIBILITY

Any Graduate

## FEE

INR 7999 (Inclusive of 18% GST) as One Time Payment

## ONLINE SESSION

English

## STUDY MATERIALS

English (eBooks, Research Papers)

# FORENSIC PROGRAM

## PRESENCE ACROSS NATION



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