



## **NAME OF COURSE:**

Studentship/ certificate course in Dental Profiling- Steps and Skills  
Fellowship in Dental Profiling- Steps and Skills

**08/09/2018 to 23/02/2019**

## **INTRODUCTION :**

Dentists or medical professionals willing to work in this field often find it difficult to gain the necessary skills. Acquiring this qualification will be a key step in the development of professional expertise in forensic sciences & odontology. The programme will enable graduates to acquire knowledge, understanding and skills in forensic odontology, anthropology and research. Uniquely, they will learn interdisciplinary skills that are essential for dealing with forensic issues in real life. This enables Graduates of this course to deal independently with all routine forensic odontological casework; the efficient referral of cases of special difficulty outside or beyond their expertise; functioning under supervision as a member of a Disaster Victim Identification (DVI) team the independent preparation of evidence for presentation to courts of law and being aware of their own need for further education in forensic odontology.

## **OBJECTIVE OF THE COURSE:**

- The objective is to train a candidate so as to ensure higher competence in both general and special area of interest and prepare him/her, for a career in the specialty of Forensic Odontology & Anthropology.
- This course will enable you to acquire knowledge, understanding and skills in forensic odontology and anthropology.
- This course provides dentists with a professional qualification that delivers core knowledge, experience and intellectual skills in forensic odontology, forensic medicine, science, anthropology and research.

## **NEED OF THE COURSE**

Forensic dentists are required in all countries to provide dental expertise to courts and legal systems. There are few opportunities for dentists to gain expertise in forensic odontology in a structured manner from a University with a dental school and an active forensic odontology department. Orderly designed, this 1-year program is compiled in a modular format to boost your skills in the right direction. As a student in Forensic Odontology you will work closely with other postgraduate students in Forensic Medicine, Forensic Science and Forensic Toxicology. You will develop a deep understanding of the role of other forensic disciplines and identify when, where and how forensic odontology links with the wider forensic community. This provides a unique multi-disciplinary nature to the course.

## **ENTRY QUALIFICATION:**

### **1. ELIGIBILITY FOR ADMISSION:**

A candidate having Bachelor / Master degree under recognised University can apply under the general category.

### **2. QUALIFICATIONS:**

A candidate seeking admission to course:

Shall have passed BDS/MBBS from a DCI /MCI Recognised Dental/Medical College/University

MDS/PG Dip/MD in any speciality from a DCI/MCI Recognised Dental/Medical College/University

Shall have a minimum of 50% of marks in the qualifying examination (undergraduate or postgraduate course)- for studentship or certificate course for interns.

## **PROPOSED FEES:**

## **CONTENT OF THE COURSE: (Theory & Practical)**

### **1. DURATION OF THE COURSE:**

This Fellowship Program is a Six month non-continuous, modular based course.

### **2. METHOD OF TRAINING:**

Training includes theory, laboratory & project work and research studies.

Course Format comprises of

- A. Didactics
- B. Pre-clinical Hands-on
- C. Mentor guided personalized training for various forensic techniques
- D. Mock Court Room Sessions
- E. Mock Crime Scenes and training to perform related Investigations
- F Project related to topic on Forensic Odontology & Anthropology by end of course.

### **3. DURATION OF COURSE:**

Course Duration: One Year non-continuous, modular based course

### **4. ATTENDANCE:**

Every candidate is required to attend all modules. Any student who fails to complete the course in the manner stated above shall not be permitted to appear for the university examinations.

## **Course Faculty:**

Dr Mohan Kumar K P, Professor of Oral Pathology, College of Dental Sciences, Davangere

Dr Deepak V, Lecturer, Mathrushri Ramabai Ambedkar Dental College and Hospital,  
Bengaluru.



# Certificate Course in Forensic Odontology

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## COURSE MODULE

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Studentship/ certificate course in Forensic Odontology  
Fellowship in Forensic Odontology & Anthropology

### **SYLLABUS**

Module 1: 5 days

#### **Forensic Odontology:**

- Introduction, Definition of Forensic Dentistry (Odontology), Aims and Objectives of Forensic Dentistry (Odontology)
- History and Overview of Forensic Odontology;
- Recent developments, scope and the future of Forensic Dentistry (Odontology)
- Dentition, pattern, types and structure to teeth with emphasis on Radiographic and Microscopic appearance of teeth.

#### **Age Estimation:**

- Introduction, Scope & Forensic Significance.
- Various Methods used for Age estimation, Report Writing with International Guidelines.
- Most commonly used methods of Age estimation with Hands on training on Age estimation.
- Mock Court Sessions with Case exposure

#### **Sex Determination:**

- Introduction, Scope & Forensic Significance.
- Assessment Using Teeth & Skull Bones, Report Writing with International Guidelines.



- Most commonly employed methods of Sex Determination with Hands on training on Sex Determination.
- Mock Court Sessions with Case exposure

### **Bite Mark Analysis:**

- Introduction, Scope & Forensic Significance.
- Collection and preservation of bite marks, examination, Identification and comparison with report writing.
- Hands on training on Bite mark recording.
- Mock Court Sessions with Case exposure

### **Ethics & Jurisprudence:**

- Medico-legal aspects of Forensic Dentistry.
- Duties and Conduct of Forensic Odontologist.

### **Research Work:**

Module 2: 5 days

### **Forensic Anthropology:**

- Introduction, Scope & Forensic Significance.
- Guidelines
- Identification of Human Remains
- Population Differences using tooth morphology and skull bones.

### **Anthropometry:**

- Introduction, Scope & Forensic Significance
- Craniometry,
- Somatometry,
- Osteometry
- Hands on training

### **Other Methods of Forensic Identification:**

- Rugoscopy
- Chelioscopy
- DNA Analysis
- Collection Method, Isolation, Comparison and reporting

### **Miscellaneous Topics:**

- Child Abuse & Neglect
- Trial by jury,
- The Judicial hierarchy
- The organization of Police forces
- Protocols with Police and legal profession

Module 3: 5 days

### **Disaster Victim Identification:**

- Introduction to Mass Disasters, Types, Investigations, DVI team, Recovering fragmented & commingled remains etc
- Disaster Victim identification (DVI) Field Programme

### **Dental Profiling:**

- Dental Postmortem
- Ante-mortem Data Collection and Post-mortem Data Analysis
- Comparison of Ante-mortem and Post-mortem Dental Evidences
- Comparative & Reconstructive Dental Identification
- Report Writing and Presentation

### **Crime Scene Investigation:**

- Introduction, Scope & Forensic Significance
- Crime scene Mapping & Investigation
- Role of Forensic Odontologist in Crime Scene Investigation
- Report Writing and Presentation

## Module 4: 4 days

- Rapid review of the Programme
- Evaluation of Project Work
- Case Presentation
- Theory Examination
- Practical Examination with Viva-Voce

### **EVALUATION PATTERN (CONTINUOUS),**

#### 1. Annual Examination

a. Theory examination (MCQs & Essay)

b. Practical Examination & Viva Voce

#### 2. Written Assignments

#### 3. Case Presentation

#### 4. Project Work

### **COURSE OUTCOME:**

Produce a dental postgraduate with that level of skill and competence in forensic dentistry to be an effective participant with local, state, central or international authorities in civil or criminal matters requiring dental expertise. His or her responsibility will help to assist the medical-legal community and also to participate in continuing education and research in the field of forensic dentistry.

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