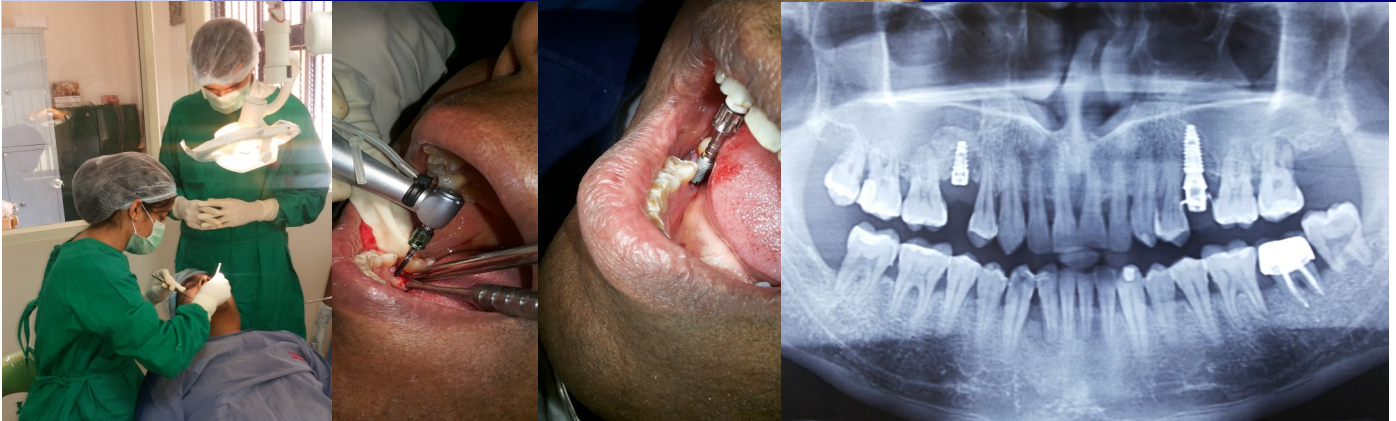




**FACULTY OF DENTAL SCIENCES**  
**DIRECTORATE OF LIFE LONG LEARNING AND TRAINING**

*Certificate Course in Oral Implantology*



**Duration of Course:** 1year

**Number of Admissions:** 4 candidates per batch (Jan and June)

**Eligibility:** BDS/MDS from DCI recognized Dental Institute or other Equivalent Degree recognized by DCI.

**Program Overview:**

Implant Dentistry is the most rapidly expanding fields of Dentistry, with this in mind Directorate of Life Long Learning has come with one year full time comprehensive program aimed at honing the skills of Dental Practitioners who intend to incorporate Implant Dentistry in their clinical practice. The program includes mandatory didactic and clinical components led by experienced faculty members.

The course involves Lectures, Hands On, Live Surgical Demonstration and Implant placement in patients. There are limited seats so as to ensure personal attention and guided learning. The course will instil high level of clinical confidence in the graduating students to practice Implant Dentistry safely and efficiently.

**Course Director:** Dr R. Mani

**Faculty Team:** Dr. K Ranganath, Dr. Ravishankar,  
Dr. Mahantesha

**Course Co-ordinator:** Dr Raghavendra. B

**Mode of Application and Selection:** The prescribed form for application can be downloaded from the website & send to dean FDS MSRUAS. Eligible Candidates will be called for personal interview and selected on merit basis.

Last Date to Apply: 25th Nov 2014

**For Further Enquires Please Contact:Dr . Hemaseshan (co ordinator for FDS)**

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**Mob:** 9342284197

**Office:** 23602079 Extension-12

# COURSE CONTENT

## **I Basic Science**

- Introduction and history of implant dentistry.
- Oral Anatomy and Histology-Maxilla and mandible – osteology, muscle attachments, blood supply and nerve supply and age changes.
- Maxillary sinus.
- Temporomandibular Joint
- Mastication and occlusion.
- Dental Anatomy.
- Periodontium– Gingiva, Periodontal Ligament and Alveolar Bone
- Implant Biomaterial
- Sterilization and Asepsis
- Implant Systems
- Osseointegration

## **II Diagnosis, Case Selection and Treatment Planning**

- Clinical assessment and case selection
- Patient screening and medical evaluation.
- Indications and contraindications for Implant therapy.
- Management of Medically Compromised Patients
- Examination of oral cavity
- Edentulous ridge—Types and Classification, Soft Tissue Assessment
- Determination of prognosis.
- Radiological assessment– IOPA, OPG, CBCT
- Fabrication of Templates, Study Models
- Designs for edentulous patient treatment– All on four concept, All on six concept for full mouth rehabilitation
- Types of Implants

## **III Surgical Aspects of Implants**

- Basic principles of surgery
- Surgical instruments.
- Preparation of patient.
- Anesthetic options – LA/GA/IV Sedation
- Flap design
- Implant placement
- Suture materials and suturing techniques.
- Post operative complications and management.(Healing after implant placement)

## **IV Prosthodontic Aspects and Special Case Scenario**

- Overdentures.
- Implant placement immediately following dental extraction and alveoplasty.
- Implant prostheses for craniofacial defects like Implant retained ear prostheses, nose prosthesis, eye prostheses, etc.
- Cleft palate rehabilitations.

## **V Advanced Surgical Procedures**

- Guided Tissue Regeneration (GTR) and Guided Bone Regeneration(GBR)
- Soft Tissue Grafting
- Ridge Augmentation
- Sinus Lift Techniques
- Distraction Osteogenesis