



**CERTIFICATE COURSE IN
COMPREHENSIVE ORAL IMPLANTOLOGY**



**Centre for Advanced Dento-Facial and Stomatognathic Sciences (CADSS)
Constituent college of Nitte (Deemed to be University)
Deralakatte, Mangaluru - 575 018**



JUSTICE K S HEGDE

Founder

ABOUT THE MANAGEMENT

Nitte Education Trust was founded in 1979 by Late Justice K S Hegde, former Judge of the Supreme Court of India and Speaker of the Lok Sabha. Justice Hegde strongly believed that education is pivotal to the overall progress of a community and this vision led to the birth of Nitte Education Trust. His legacy is being continued by his son, Mr N V Hegde.

EXPERIENCE NITTE



NITTE
(Deemed to be University)

RANKED
70TH
BY NIRF



'A' GRADE BY NAAC.
CATEGORY 'A'
BY MHRD, GoI



PHARMACY
COLLEGE RANKED
33RD
BY NIRF



ENGINEERING COLLEGE
(NMAMIT) RANKED
128TH
BY NIRF



ENGINEERING COLLEGE
(NMIT) RANKED
142ND
BY NIRF



3
CAMPUSES



36
INSTITUTIONS



130
COURSES



4,500
FACULTY



20,000
STUDENTS



1,000
BED TEACHING
HOSPITAL



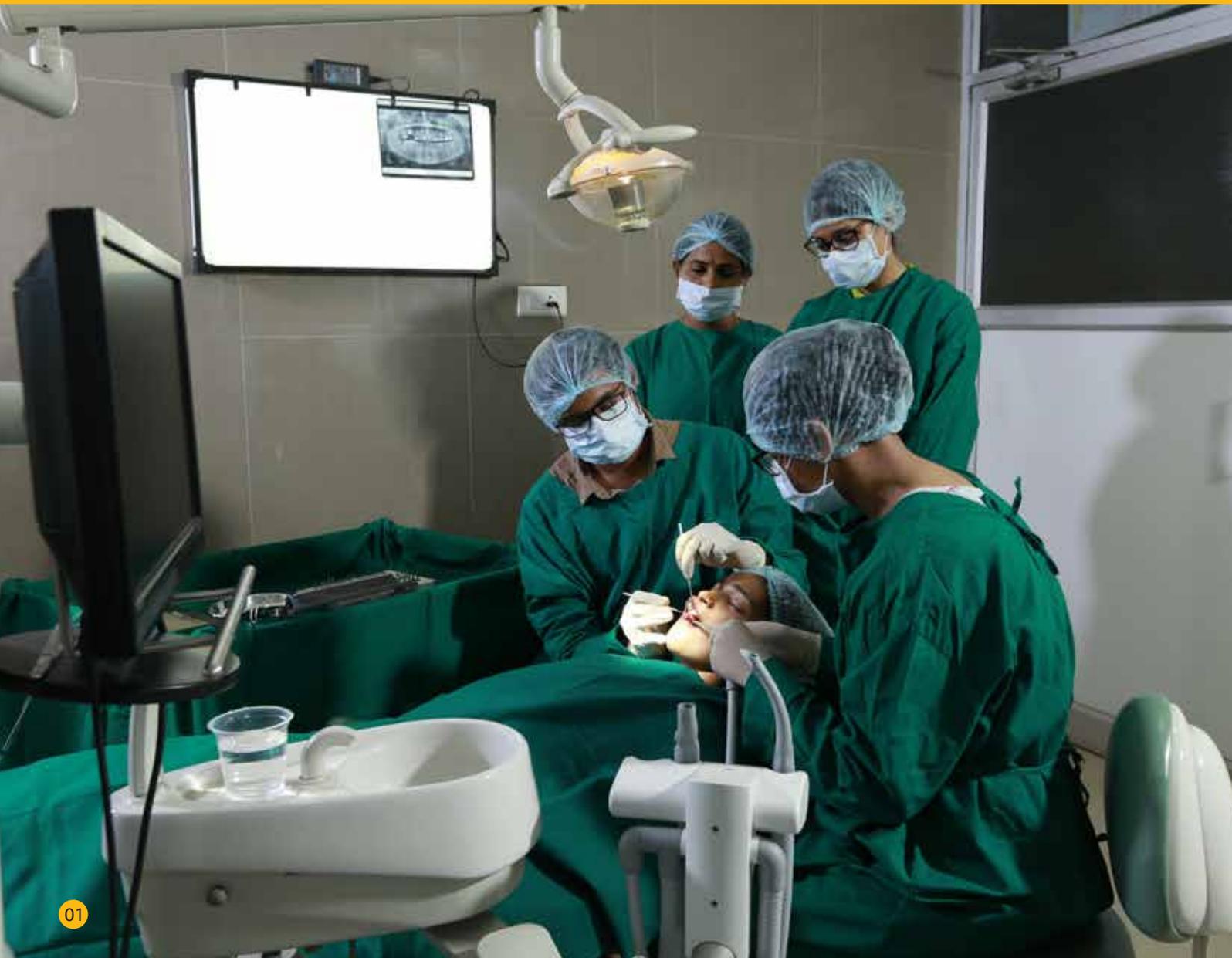
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RURAL HEALTH
CENTRES

ABOUT THE PROGRAM

The Certificate Course in Oral Implantology is of one year duration, clinical practice oriented to cover the basic concepts of Oral Implantology as well as advances in Oral Implantology consisting of 400 credit hours and 300 teaching hours of didactic, demonstrations and hands-on clinical practice by placing 26 to 30 implants on patients in 17 varied clinical situations.

All hands-on clinical practices will be conducted under supervision. Every clinical practice is conducted by a team of three – an operator, an assistant and a photographer/videographer.

The goal is to provide dynamic biologic prostheses with physiologic stable occlusion and maxillary and mandibular dental arch with anterior, posterior and medio-lateral occlusal plane and curvatures, placed in neutral zone for dynamic articulation in a coordinating condylar and esthetic incisal guidance established in centric relation in physiologic vertical clearance of jaws. All procedures, records including patient selection, patient education, denial and consent forms, patients' systemic evaluation, diagnosis and treatment plan, models, pre and post intra-oral and extra oral photographs, pre and post radiographs are compulsory for all treatment procedures. The records are entered into a log book after each procedure and signature obtained, after which the records are presented for evaluation and granting of Certificate in Comprehensive Oral Implantology.



FROM THE DIRECTOR'S DESK



"Tissue integrated prosthesis (Osseo integrated Implant supported prosthesis) is the most recent advancement in restorative dental medicine. Ascendency of implant dentistry into the forefront of dental medicine practice and research requires much extensive and intensive clinical skill training and learning.

The Stomatognathic System is a prime organ of the human body, with vital functions such as respiration, mastication, speech, appearance and psychological comfort. The jaws carrying the teeth in coordination with other structures of the stomatognathic system are handicapped by the loss of teeth. Ingestion, mastication, deglutition and nutrition forms the vital chain that is a basis to human existence.

The jaws, handicapped by the loss of teeth, is rehabilitated successfully with consideration of biological, biomechanical, bio aesthetic and bio phonetic factors. Edentulism (loss of teeth alveolar and gingival tissue) is a major oral disease with a continuous process of reduction of alveolar ridges (bone loss) in spite of providing a biological prosthesis. In addition to this, ageing more often than not, is accompanied with exposed root softening and subsequent decay and decreased salivary flow. Conditions like Xerostomia, hampers the retention for removable prosthesis thereby rendering them of little use.

The goal and objective is rehabilitation of the patients' handicapped jaws (by the loss of teeth) with Osseo integrated Esthetically and Functionally Perfect, Implant supported prostheses - "THIRD DENTITION".

The goal is to provide dynamic biologic prostheses with physiologic stable occlusion in accordance with the maxillary and mandibular dental arch with antero-posterior and medio-lateral occlusal plane and curvature. The teeth will be placed in the neutral zone to facilitate dynamic articulation in a coordinating condylar and esthetic incisal guidance established in centric relation in physiologic vertical clearance of jaws - for the purpose of mastication, esthetics and phonation. Attention is given to tooth/teeth size, shape, form and colour to provide white esthetics with due consideration to Occlusal embrasures in addition to gingival embrasures and zenith for pink esthetics as well as psychological comfort.

If you have graduated from dental medicine school or completed post graduate training in Prosthodontics, Oral surgery or Periodontics and consider yourself completely ready to tackle the world of Implant Dentistry, regardless of the quality of any university's oral implant curriculum (and they do vary), the need for the amplification of oral Implantology education is evident, necessary and time sensitive. We are obliged to prepare the scientific background to record the clinical outcome and observe and shape the current and future trends.

Implantology is an important and a fast growing area in modern dental medicine shaped by technical innovation and fast-paced advancements and medical development. It is also due to the increasing public awareness of the benefits in this field that we all will experience this growth in our dental offices and there will be no way for dental surgeons or specialist in dental medicine to escape the request from patients.

Our experience with Osseo integrated, supported prosthesis since 1996 and with a wide and varied literature review and evidence-based clinical practice has led us to establish a clinical enhancement Oral Implantology certificate program "Comprehensive Oral Implantology". The course is a continuing professional education program comprising of structured modules in the study and training for clinical skills in Oral Implantology. The Course ensures ample clinical practice based on high scientific standards. This innovative and clinical skill practice oriented system, has shown to be a successful concept. We have opted for the most advanced Oral Implant System backed by clinical data and research for long term success, owing to its varied benefits of safety, reliability, surgical and prosthetic flexibility and cost-effectiveness. The system has seen successful osseo integration in all bone qualities with adequate bone stability. Prosthetically, the conical connector with an air-tight fitting surface, provides stability and is rotationally secure and reliable. Esthetically, an adequate biological width is achieved for gingival support for pink esthetics with an excellent emergence profile."

- Prof (Dr) N Sridhar Shetty, Director, C.A.D.S.S

FACULTY

Director: Prof (Dr) N Sridhar Shetty

The first Dean of A B Shetty Memorial Institute of Dental Sciences when it took birth in 1985, he served the Institute for 21 years. Among the early Prosthodontists from Karnataka, he also served as the President of the Indian Prosthodontic Society.

The Centre for Advanced Dento Facial and Stomatognathic Sciences is his brainchild.

“Prof (Dr) N Sridhar Shetty then Dean of A B Shetty Memorial Institute of Dental Sciences took the initiative in 1996 to introduce the clinical skill development program for post graduate students at university level. In 2006, the new department of Oral Implantology was established as a separate department at the institution, to start clinical skill development structured certificate courses which are popular and in demand. Today, A B Shetty Memorial Institute of Dental Sciences is one of the very few dental institutions in the country which has established an exclusive and advanced state of the art Department of Implant Dentistry, imparting advanced clinical skill development programs since 2006. The Certificate Course in ‘Comprehensive Oral Implantology’ conducted by the Centre for Advanced Dento-Facial and Stomatognathic Sciences at A B Shetty Memorial Institute of Dental Sciences, Mangaluru is an advanced and unique Implant Dentistry Program, comprising five Modules of six days each. This course includes the most advanced Surgical and Micro-Surgical techniques involved in Implant Dentistry including sinus lift procedures along with the basics of Implant Dentistry.”

**- Prof (Dr) U S Krishna Nayak
Principal and Dean**

“In today’s age of dentistry, it is absolutely imperative that each and every graduate of dentistry learn the ‘Art and Science of Implant Dentistry’. The A B Shetty Institute of Dental Sciences, Mangaluru, is a unique center which imparts the most comprehensive and advanced Implant education under the guidance of well known teachers and practitioners of Implant Dentistry, headed by Prof (Dr) N Sridhar Shetty, Prof (Dr) Porus Turner, Prof (Dr) Chethan Hedge, Prof (Dr) Manoj Shetty, Prof (Dr) Rakshith Hegde, under the able guidance of Dean Prof (Dr) U S Krishna Nayak.

This unique course covers 5 modules comprising about 6 days of each module, where the students are expected to place 26 to 30 Implants in different quadrants of the oral cavity in place of missing teeth. The student will learn the very basics of Implant Dentistry that covers bone biology and tissue healing to advanced surgical and microsurgical procedures like how to regenerate hard and soft tissue through guided bone regeneration. The unique feature of this course is that Full Mouth Rehabilitation with implants will be covered. The course will also cover advanced techniques as to how to grow bone in the air-filled maxillary sinus cavity and then place Implants. Latest materials, equipment and techniques are available at A B Shetty Institute of Dental Sciences, Mangaluru such as for Piezo-electric surgery, PRF centrifuging machines, microsurgical instruments, bone graft materials, micro-motors, etc. to enable students to learn ‘State Of The Art Techniques in Implant Dentistry’. The Centre also has all the latest diagnostic facilities and advanced dental laboratories where you can learn how to fabricate your own prosthesis. Graduates, post-graduate students and graduates from other institutes are urged not to miss this opportunity.

- Prof (Dr) Porus Turner



"It is a comprehensive Dental Implantology course covering all aspects of Implant Dentistry. The Course is meticulously designed keeping in mind science of Implantology covering basic principles as well as advanced clinical training programs distributed into modules making learning and practice of Implant Dentistry systematic and learner friendly. The structure of the course which includes diagnosis, planning of treatment, effective execution of treatment procedure and record maintenance along with evaluation of candidates by renowned faculty, meets international standards. The Department of Implantology of A B Shetty Memorial Institute of Dental Sciences provides state of art infrastructure to carry out advanced surgical and prosthetic procedures along with the use of world renowned implant systems and clinical materials making the course one of the best training programs."

- Prof (Dr) Chethan Hegde

"As the world moves ahead to the advanced age of Implantology, everything you need to build a solid foundation in implant dentistry can be achieved through intensive training. I am hopeful this course will provide a comprehensive outlook on various aspects of implant dentistry."

- Prof (Dr) Manoj Shetty

"The compressive Certificate course would help in learning implant dentistry from the best in the field, benefit patients and would help the candidate shape his future. In the present scenario, acquiring knowledge about implant supported prosthesis can enhance the quality of treatment that a dental surgeon provides."

- Prof (Dr) Rakshith Hegde

COURSE, INTAKE AND DURATION

≈ **Clinical Enhancement Certificate Course in Comprehensive Oral Implantology**

Intake 10 | Duration: 1 Year (5 Modules of 6 days per week, once in two months)

Eligibility

Should have satisfactorily completed 400 credit hours of Academic and Clinical requirements in the restoration of partially dentate and completely edentulous patients by placing 26 implants for single A/P, multiple fixed A/P and removable implant supported prosthesis in varied clinical situations involving soft and hard tissue augmentation, sinus lift procedure, atraumatic extractions and immediate placement and immediate loading.

Candidates are required to procure their own implants, abutments and graft materials. Patients diagnostics (surgical and prosthetic), along with laboratory facilities and prosthetic materials will be provided at the Centre. Candidates are responsible for own subsistence, overnight accommodation and travel. All modules will be conducted at the Centre for Advanced Dento-facial & Stomatognathic Sciences, A B Shetty Memorial Institute of Dental Sciences.

Commencement of Course: June 2019

Course Fee: INR 3 lakh

Teaching Methodology

Students will attend the integrated Fixed and Removable Prosthodontics, Oral Surgical and Intra Oral Plastics, Radiology and CBCT courses at the Institute. This will enable them to learn a wide range of interrelated topics relevant to implant dentistry. Emphasis will be given to implant related discussions and journal clubs. The various teaching methods adopted include:

- Didactic lectures
- Hands-on (simulations)
- Live demonstrations
- Supervised clinical modules
- Case discussion
- Practice visit - assisting and clinical observation of surgical/prosthetic procedures
- Photo recording to gain more clinical experience

COURSE CONTENT

Module 1 (6 days – 50 hours)

- Didactic lectures on Introduction to the science and techniques of Implant Dentistry along with live demonstration of single implant placements.
- Introduction to preoperative planning procedures and hands on practice on models.
- Hands on clinical practices: implant placement on patients Maxillary and Mandibular single implants anterior and posterior.

Module 2 (6 days – 50 hours)

- Didactic Lectures on – Applied fundamental science practiced before, during and after surgery.
- Clinical demonstration of prosthetic rehabilitation.
- Hands on training on animal models on bone augmentation, sinus floor elevation.
- Atraumatic Extraction and immediate Implant fixture placement- Anterior and Posterior- and immediate loading- Anterior and Posterior Hands on placement of implants (single or multiple) under supervision.

Module 3 (6 days – 50 hours)

- Didactic lectures on – Prosthetic aspects of implant rehabilitation.
- Hands on clinical practices: Clinical practice for multiple implant placement and sinus floor elevation on patients.

Module 4 (6 days – 50 hours)

- Didactic Lectures on Patient management, Practice Management and Medico-Legal aspects, Auxiliary Personnel
- Functional and esthetic considerations.
- Hands on clinical practices: Maxillary or mandibular full arch rehabilitation fixed cemented or screw retained prostheses with 6 to 8 implant placement.
- Second stage surgery, gingival former insertion, impression of cases of 3rd module.

Module 5 (6 days – 50 hours)

- Practical and clinical practices – Second stage surgery, gingival former insertion, impression of cases of 4th module.
- Hands on clinical practice: Fit and cementation of completed prostheses, recall and after care.
- Completion of surgical and prosthetic phases for single implants maxillary/mandibular anterior and posterior, atraumatic extractions and immediate loading (bone grafting).
- Review and presentation of completed and documented varied 17 clinical situations and assessment by faculty.
- All hands on clinical practices will be conducted under supervision and guidance. Every clinical practice is done as a team of three consisting of an operator, an assistant and photographer/videographer. (To gain additional experience).



PROGRAMS AT NITTE

COLLEGES	COURSES OFFERED
NMAM Institute of Technology (Nitte)	B.E. - Biotechnology Civil Computer Science Electrical & Electronics Electronics & Communication Information Science Mechanical M.Tech MBA MCA Ph.D
Nitte Meenakshi Institute of Technology (Bengaluru)	B.E. - Aeronautical Civil Computer Science Electrical & Electronics Electronics & Communication Information Science Mechanical M.Tech MBA MCA Ph.D
K S Hegde Medical Academy (Mangaluru)	MBBS MD.MS MCh PhD BSc (Anesthesia & OT Technology) MSc (Anesthesia & OT Technology) BSc (Medical Imaging Technology) MSc (Medical Imaging Technology) BSc (Medical Lab Technology) MSc (Medical Lab Technology) BSc (Respiratory Therapy) MPH (Public Health) MPhil (Psychiatric Social Work)
A B Shetty Memorial Institute of Dental Sciences (Mangaluru)	BDS MDS PhD Certificate Course in Oral Implantology
NGSM Institute of Pharmaceutical Sciences (Mangaluru)	DPharm BPharm PharmD PharmD (Post Baccalaureate) MPharm PhD
Nitte College of Pharmaceutical Sciences (Bengaluru)	DPharm BPharm
Nitte Usha Institute of Nursing Sciences (Mangaluru)	GNM PB BSc Nursing BSc Nursing MSc Nursing PhD Post Basic Diploma in Dialysis Nursing
Nitte Institute of Physiotherapy (Mangaluru)	BPT MPT PhD
Nitte Institute of Speech & Hearing (Mangaluru)	B.ASLP
Nitte University Centre for Science Education & Research (Mangaluru)	BSc (Honors) Biomedical Science MSc (Biomedical Science) MSc (Food Safety & Biotechnology) MSc (Microbiology) MSc (Biotechnology)
Nitte Institute of Architecture (Mangaluru)	BArch
Nitte School of Architecture (Bengaluru)	BArch BPlanning
Nitte Institute of Communication (Mangaluru)	BA (Journalism & Mass Communication) MA (Journalism & Mass Communication)
Sarosh Institute of Hotel Administration (Mangaluru)	BHM
Justice K S Hegde Institute of Management (Nitte)	MBA PhD
Nitte School of Management (Bengaluru)	PGDM Executive PGDM
Nitte School of Fashion Technology & Interior Design (Bengaluru)	BSc (Fashion & Apparel Design) BSc (Interior Design & Decoration) Diploma in Fashion Design Diploma in Interior Design
Dr NSAM First Grade College (Nitte)	BSc BCom BBA
Dr NSAM First Grade College (Bengaluru)	BBA BCom
Nitte Rukmini Adyanthaya Memorial Polytechnic (Nitte)	Civil Engineering Computer Science & Engineering Electrical & Electronics Engineering Electronics & Communications Engineering Mechanical Engineering Apparel Design & Fabrication Technology



**A B SHETTY MEMORIAL
INSTITUTE OF DENTAL SCIENCES**

For further details, you may contact:

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