



SDM
College of Dental Sciences & Hospital
Dhaval Nagar, Sattur, Dharwad - 580009, Karnataka, INDIA.



**SHRI
DHARMASTHALA
MANJUNATHESHWARA
UNIVERSITY**

CERTIFICATE COURSE IN FUNDAMENTALS OF DIGITAL DENTISTRY



Next Batch from
**August - September
2023**



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<https://www.sdmcds.org/>

INTRODUCTION:

The Digital revolution is changing the whole world, and dentistry is no exception. Digital dentistry can be defined in a broad term as any dental technology or device that incorporates digital or computer-controlled components in contrast to that electrical or mechanical alone. The following represents the majority of the areas of digital dentistry and are assumed to be comprised of some type of digital components: CAD/CAM and intraoral imaging - both laboratory - and clinician-controlled; Caries diagnosis; Computer-aided implant dentistry - including design and fabrication of surgical guides; Digital radiography - intraoral and extraoral, including cone beam computed tomography (CBCT); Electric and surgical/implant handpieces; Lasers; Occlusion and TMJ analysis and diagnosis; Photography - extraoral and intraoral; Practice and patient record management - including digital patient education as well as Shade matching. The course curriculum is designed for clinicians to understand the applications of digital aspects in dentistry. The course will have 3 modules of 3 days each. In this course, you will learn the skills and expertise necessary to implement the new technologies into your clinical practice. As an added benefit, the workshop is located in Dharwad, a well-renowned educational destination steeped in history, culture, and the arts.

LEARNING OBJECTIVES:

- To explore the intraoral and extraoral scanners independently in their provision of treatments to patients.
- Identify the fundamentals of advantages and disadvantages of digital technology
- Evaluation of software to analyze the quality of their work as it relates to operative dentistry, fixed restorations, and implant prosthesis.
- To learn the digital workflows for operative, fixed, and implant restorative procedures.
- To be competent in executing the fixed prosthodontics treatment using an intraoral scanner, designing the restoration, and chairside printing the same on a desktop printer.
- To employ the 3D printing technology applications in dentistry
- Attain the full arch implant digital workflows.
- Determine Occlusal errors using T Scan.
- To Learn to capture digital intra-oral photography.

TARGET GROUP:

- General Practitioners
- Dental Specialists in Restorative Dentistry
- Fresh Graduates & Post Graduates of all specialties.

INTAKE OF CANDIDATES: 06

COURSE FEES: INR 45,000/-

COURSE CONTENTS:

Module 1

- Introduction to Digital Dentistry- Transforming from Analog to Digital Method
- Digital Dental Photography
- Digital Impressions for teeth and implant

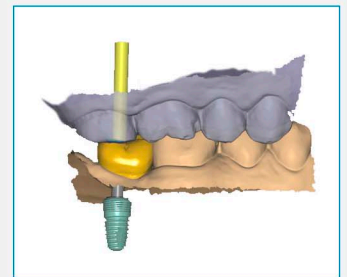


- Introduction to Exocad Software
- Demonstration of IOS on typodont teeth & patients
- Design in Exocad:
 - ▶ Crowns
 - ▶ Monolithic Crowns
 - ▶ Simple Bridges
 - ▶ Onlays
 - ▶ Inlays
 - ▶ MOD
 - ▶ Veneers
 - ▶ Post & core
 - ▶ Smile designing
- Diagnostic Wax-up
- In-house 3D printing and fitting on the model
- Designing of Screw retain prosthesis
- Designing of Screw retain on the stock abutment
- Designing of custom abutment manual position
- Designing of full arch immediate temporization on the implant



Module 2:

- Role of digital dental imaging in creating a digital patient
- Implant Planning of Software- Virtual Implant Surgery Using BLUE SKY BIO
- Surgical Guide Designing for simple 2-3 implant cases and 3D printing
- Digital Work Flow Demo for Full arch Implant Case
- Digital Dentures planning and software designing using Blue Sky Bio
- Designing of Clear Aligners on Blue Sky Bio



Module 3:

- Digital Dentistry in Orthodontics
- Digital Dentistry in Pediatrics Dentistry
- Role of T-Scan in identifying the occlusal errors
- Use of 3D printed endo guides
- Removable Prosthesis- Digital Fabrication
- Recap of Modules 1 & 2
- Examination
- Certification



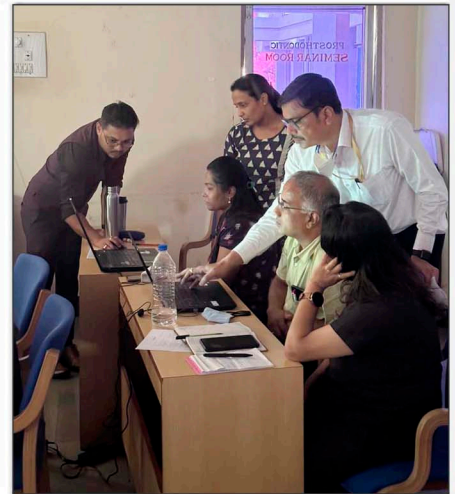
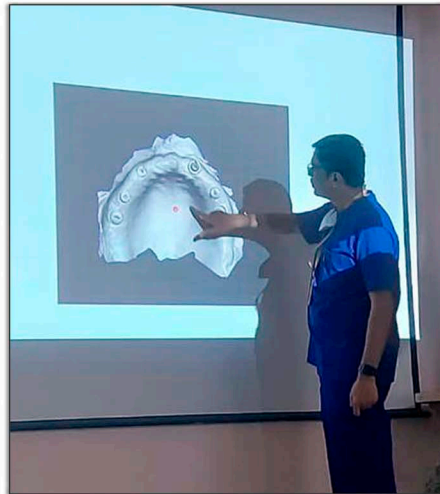
SCHEME OF EXAMINATION:

At the end of the course in the 3rd Module there will be an evaluation. A practical assessment and MCQ exam would be conducted for all candidates carrying 100 marks total. A minimum of 50% is required consider a candidate for successful completion of the course in aggregate both MCQ and practical included. MCQ Exam will be comprising of 50 Marks and Practical assessment will be 50 Marks.

CERTIFICATION:

After successful completion of examination, the candidate will be awarded with a certification of completion by SDM University

SUCCESSFULLY COMPLETED IN PREVIOUS BATCH



Chief Patron

Pooja Shri D. Veerendra Heggade
Hon'ble Chancellor
Shri Dharmasthala Manjunatheshwara University

Patrons

Dr. Niranjan Kumar
Vice Chancellor
Shri Dharmasthala Manjunatheshwara University

Smt. Padmalatha Niranjan
Member, Board of Governors
Shri Dharmasthala Manjunatheshwara University

Shri Saketh Shetty
Director Administration
Shri Dharmasthala Manjunatheshwara University

Dr. Balaram Naik
Principal
SDM College of Dental Sciences & Hospital

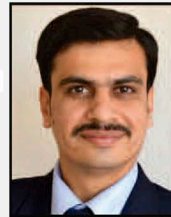
Course Faculty



Dr. Harikesh Rao
Professor, & HOD
Dept of Prosthodontics



Dr. Roseline Meshramkar
Professor
Dept of Prosthodontics



Dr. Satyabodh Guttal
Professor, Dept of Prosthodontics
Course Co-ordinator



Dr. Aishwarya Bhat
Reader
Dept of Prosthodontics

Course Guest Faculty

Dr. Anand Tavargeri
Professor, Dept of Pedodontics

Dr. Atul Sattur
Professor, Dept of Oral Medicine
& Radiology



Dr. Mahantesh Yeli
Professor, Dept of Conservative
Dentistry & Endodontics

Dr. Kruthika Guttal
Professor, Dept of Oral Medicine
& Radiology

Dr. Anupama Jain
Reader, Dept of Orthodontics

Course Visiting Faculty

Mr. Sudeep Paul
Image 3D Conversion, Blue Sky Bio

