



SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION

(Deemed to be University Declared under Section 3 of the UGC Act, 1956)

Accredited 'A+' Grade by NAAC

SRI SIDDHARTHA DENTAL COLLEGE & HOSPITAL

Agalakote, B.H. Road, Tumkur - 572107, Karnataka

Recognised by Dental Council of India, New Delhi

A Constituent College of Sri Siddhartha Academy of Higher Education (Deemed to be University)

Web : www.ssdctumkur.org

Email: ssdctumkur@gmail.com



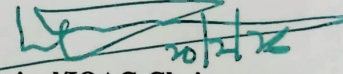
ARN NO: SSAHE250452 - 577

DATE: 20/02/2026

CIRCULAR

Department of Periodontology will be celebrating **National Periodontist Day** on 23/02/2026 from 9 am to 11:30 am at Savyasachi auditorium, SSDC. This would be followed by sports prize distribution ceremony by sports committee from 11:30 am to 1 pm.

In this regard HOD's are hereby requested to permit all the UG students (1st, 2nd, 3rd, 4th year BDS students and interns), post graduate students and faculty members to kindly attend above mentioned program.


Principal/IQAC-Chairperson



Chairp **SSDC**

Internal Quality Assurance Cell

Sri Siddhartha Dental College

Tumakuru-572107

Copy to,

1. Office
2. Department of Anatomy
3. Department of Physiology
4. Department of Pharmacology
5. All dental departments



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ARN NO: SSAHE250577

DATE: 23/02/2026

DEPARTMENT OF PERIODONTOLOGY CELEBRATION OF NATIONAL PERIODONTIST DAY-A BRIEF REPORT

On the occasion of **National Periodontist Day 2026**, a series of events were organized from the Department of Periodontology, Sri Siddhartha Dental College and Hospital tumkur.

To develop the cognitive and analytical skills among our students, **Quiz, E-poster and reels competition** was conducted from our department, also tooth paste (**Omnident**) from the **Group Pharma** was distributed to the beneficiaries.

The day was celebrated at **Savyasachi auditorium** where stage program was organized. The program commenced with the introduction by the master of ceremony **Dr. Deepika thakur** 1st year post graduate student. The invocation song was rendered by **Dr. Jeeshma** 3rd year post graduate student, followed by the lighting of the lamp by the dignitaries.

Welcome address was delivered by Principal **Dr. Praveen B Kudva**, following which the **guest speaker Dr. Chandni S** and guest of honour **Dr Prashanth G M** were felicitated and were introduced by **Dr. Santhosh Kumar R** to the audience.

The program was presided by **Dr. K B Lingegowda** vice chancellor of SSAHE who emphasised on the **oral health among general public**.

The speaker of the day **Dr. Chandni S Prof and Head** department of periodontology at **Srinivasa Institute of Dental Sciences, Mangalore** delivered a talk on "**The Twists, The Turns and The Terminus**". Guest of honour for the program **Dr Prashanth G M Prof and Head of Department of public health dentistry at College of Dental Sciences Davangere** addressed the gathering about the importance of oral health practices among the public.



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The program also witnessed the felicitation to **Miss Varshini** for securing the highest marks in the subject of **Periodontology** during the previous academic year.

The winners of the **Quiz, E poster, and reels competition** were presented with certificate of appreciation.

Vote of thanks was rendered by **Dr Sanjay Venugopal**.

The program was organized by the coordinators **Dr. Sateesh C P and Dr. Santhosh Kumar R** and it was very well received by the students and faculty of the SSDC.

The program was concluded by singing the **National Anthem** in the praise of our nation, which was followed by high tea.

Enclosures: Photographs

Professor and Head of the Department
Department OF Periodontology

Department of Periodontia
S. S. D. C.
TUMKUR

PRINCIPAL
SSDC



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CELEBRATION OF NATIONAL PERIODONTIST DAY-2026




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TOOTH PASTE DISTRIBUTION ON THE OCCASION OF NATIONAL PERIODONTIST DAY-2026



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QUIZ COMPETITION ON THE OCCASION OF NATIONAL PERIODONTIST DAY-2026



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E- POSTER COMPETITION ON THE OCCASION OF NATIONAL PERIODONTIST DAY-2026

PROBE TO PIXEL

Digital Probes for Periodontal Probing

Smart-Care Device for Monitoring Progression and Treatment in Established Periodontal Disease

A Translational Approach Hypothesis

1. Unique Sample: Use a specialized gum swab to collect a plaque sample.
2. Apply to DNA Sensor Strip: DNA binds to specific probes on disposable strip.
3. Electro- & Signal: Lysis Buffer used to break open bacteria and release DNA.

RESULTS & MONITORING

Hygiene Level Over Time

Progression Score

- Stable (Green)
- Rising (Yellow)
- High Risk (Red)
- LOW - Stable
- MODERATE - Warning
- HIGH - Active Disease

NON INVASIVE | REAL TIME DATA | HOME MONITORING

DIGITAL PERIODONTOLOGY

WHAT IS IT?

Digital periodontology is the application of digital technologies, imaging systems and software-based tools in the diagnosis, treatment planning and management of periodontal conditions.

DIGITAL PERIODONTAL PROBING

DIGITAL IMAGING

ADVANTAGES OF DIGITAL PERIODONTOLOGY

- Accuracy of data
- Storage of multiple data points
- High resolution
- Ability to share data
- Remote monitoring

DIGITAL DENTISTRY

Advancements in Radiographic and 3D Imaging Technologies

INTRODUCTION

Digital dentistry integrates advanced imaging technologies such as digital radiography, intraoral scanners, and 3D jaw imaging to improve diagnostic accuracy.

This image shows computer aided design and computer aided manufacturing (CAD/CAM) technology used in dentistry. It helps in designing crowns, veneers and restorations digitally with high precision and improves accuracy, reduces error, and provides better fitting prosthetics.

From Probe to Pixel

FROM PROBE TO PIXEL

Transforming Periodontal Diagnosis & Therapy in the Digital Era

CONVENTIONAL DIAGNOSTIC METHODS

- Manual periodontal probe
- Manual pocket depth measuring
- Bleeding on probing score
- Clinical attachment level measurement
- 2D radiograph for bone loss assessment

DIGITAL INNOVATIONS IN PERIODONTOLOGY

- Digital Periodontal Charting
- Real time data recording
- Cloud storage
- Longitudinal patient monitoring
- CBCT imaging
- 3D visualization of alveolar bone
- Adjunctive Laser Therapy
- Minimally invasive
- Improved healing
- Reduced postoperative discomfort
- 3D Printing & Guided Surgery
- Customized regeneration scaffolds
- Surgical guides for precision
- Digital workflow integration

PROBE vs PIXEL

- Manual recording vs. Automated digital charting

SALIVARY & GC-BIOMARKERS

- Non-invasive
- High sensitivity
- High specificity
- High accuracy
- High precision
- High reproducibility
- High reliability
- High predictability
- High stability
- High durability
- High resistance
- High strength
- High performance
- High efficiency
- High productivity
- High quality
- High value
- High return
- High investment
- High risk
- High reward
- High cost
- High benefit
- High impact
- High influence
- High power
- High authority
- High credibility
- High reputation
- High status
- High honor
- High respect
- High esteem
- High regard
- High consideration
- High regard
- High respect
- High esteem
- High regard

FROM PROBE TO PIXEL

The Evolution of Periodontal Diagnosis

Traditional Periodontal Diagnosis

- Manual probe measurement
- Periodontal charting
- Radiographic assessment
- Clinical attachment level
- Bleeding on probing score
- X-ray reporting bone loss

Modern Periodontal Diagnosis

- Digital periodontal charting
- Real-time data recording
- Cloud storage
- Longitudinal patient monitoring
- CBCT imaging
- 3D visualization of alveolar bone
- Adjunctive Laser Therapy
- Minimally invasive
- Improved healing
- Reduced postoperative discomfort
- 3D Printing & Guided Surgery
- Customized regeneration scaffolds
- Surgical guides for precision
- Digital workflow integration

Evolutionary Path

- Manual probe
- Digital probe
- Cloud storage
- Real-time data
- Longitudinal monitoring
- CBCT imaging
- 3D visualization
- Laser therapy
- 3D printing
- Guided surgery
- Digital workflow

Laser Assisted Periodontal Therapy

- Minimally invasive
- Reduced bleeding
- Faster healing

Electronic Periodontal Probing

- Accurate pocket depth measurement
- Digital data recording
- Comfort for patients

Advantages

Digital Tools

THE SMART-THREAD REVOLUTION

Electronic Sutures as Real-Time Bio-Sensors for Post-Surgical Monitoring

From "Probe to Pixel" in Periodontics

SMART SUTURE

DIGITAL SIG

Early Detect

PROBE vs PIXEL

- Manual recording vs. Automated digital charting

TRANSFORMATION

- CHEMICAL PROBE: Temp & pH Monitoring
- WIRELESS POWER: NFC Activation
- PIXEL ALERT: Color-Coded Feedback

Transforming Passive Sutures into Active Bio-Sensors

DIGITAL PERIODONTOLOGY: TRANSFORMING GUM & BONE HEALTH

DIGITAL DIAGNOSTICS & DATA COLLECTION

COMPUTER AIDED TREATMENT PLANNING

GUIDED SURGICAL INTERVENTIONS

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**REEL COMPETITION ON THE OCCASION OF
NATIONAL PERIODONTIST DAY-2026**



[Handwritten Signature]



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