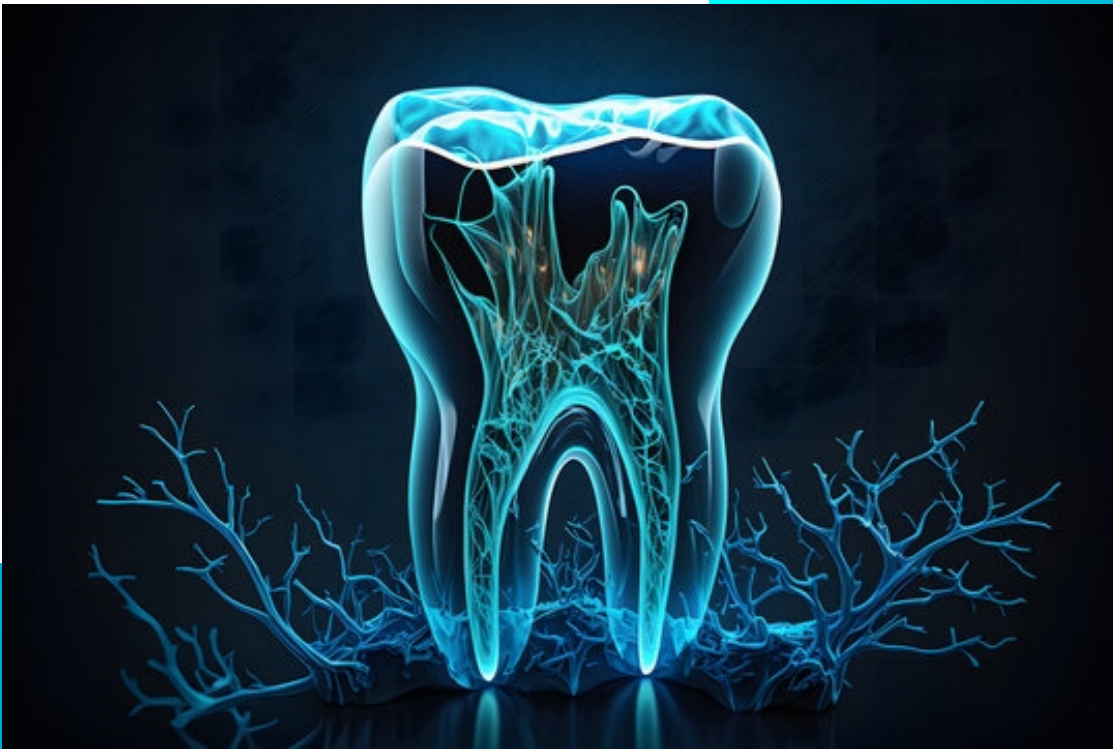




# KLE VK INSTITUTE OF DENTAL SCIENCES BELAGAVI



Dec - 2023  
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## PERCEPTIONS

*"Perceptions Precedes Reality"*

EDITOR : DR MANJULA M.  
CO-EDITOR : DR. HEMA K.



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30th National Conference of Indian Association of Oral and Maxillofacial Pathologists 2023 was inaugurated by Honorable Medical Education Minister of Karnataka, Dr Sharanprakash Patil on 3rd Nov. 2023 at KLE Centenary Convention Centre, Belagavi - Karnataka



Dept. of Oral Medicine & Radiology  
KLE VK IDS received the  
**Best Community Service Award**  
at  
34th National IAOMR Conference,  
Davanagere, Karnataka  
on 2nd December 2023

Our news bulletin, 'Perceptions' has been moving forward towards its goals. The accomplishments achieved through hard work and ability is indeed a pride for the editors. Studies have shown that feeling a sense of accomplishment is an essential element in fostering positive pursuits over time. Research shows that a strong sense of purpose, persistence, and accomplishment improves performance at work. I wish all the best to the editors and contributors for their involvement.



Dr Alka Kale



## .....FROM THE EDITOR

### Chat GPT & its Potential use in Dentistry

"ChatGPT is scary good.

We are not far from dangerously strong AI." ~ Elon Musk.



Dear Readers

Greetings to all,

As the new era of technological revolution has taken its pace, artificial intelligence based ChatGPT is emerging as a new trend and has paved its way into various fields, such as business, education sector, research and also in the field of healthcare including dentistry. ChatGPT involves deep learning AI techniques in order to produce human-like responses to natural language queries thus making it a very large language model that can also respond to human input in a conversational manner.

In dentistry and healthcare many studies have proven that ChatGPT can offer multiple services such as a better definitive diagnosis, support in decision-making, digital data recording, analyzing images and also aid in treating diseases. It can reduce the number of treatment failures, and enable exploration and research. It can be used as an educational tool such as creating awareness among the public and community about the disease.

It is extremely helpful for patients as it can answer general questions related to disease process and thus enhancing patient knowledge empowerment and independence. It can be helpful for answering the questions of patients who cannot access the help of doctors when it is not feasible. Furthermore, ChatGPT can assist dentists with personalized patient care, scheduling appointments, billing, diagnosis, and treatment planning, as well as monitoring patients' dental health and hygiene by providing regular reminders.

In research it can play a pivotal role by clarifying doubts, dissemination and sharing of scientific data, and timely updates in the recent publications related to specific research areas. Hence it can act as a promising tool in the field of research if used cautiously and ethically.

However, as any other new technology, ChatGPT also has many pitfalls and disadvantages like possibility of informative errors, inaccurate results, medico-legal issues, ethical concerns, dependability, cyber security concerns and regulatory issues. While it can provide accurate information and advice, it cannot provide personalized care, emotional support, or physical treatments. Moreover it can definitely not replace or be a substitute for health professional. It can be used as an adjunct along with existing conventional or routine technologies involved in treatment aspects for better patient care. After all "Empathy is a respectful understanding of what others are experiencing" and that forms the basis for any health care profession.



Dr Manjula M.

#### Reference :

1. Hind M Alhaidry et al. ChatGPT in Dentistry: A Comprehensive Review. Cureus. 2023 Apr; 15(4): e38317
2. Mago J, Sharma M. The Potential Usefulness of ChatGPT in Oral and Maxillofacial Radiology. Cureus 15(7): e42133.

## .....FROM THE CO-EDITOR

Season's Greetings,  
Dear Readers,

**“IS RESEARCH EVERYONE'S CUP OF TEA ????”**



“Research is to see what everybody else has seen and to think what nobody else has thought.....”

..... Albert Szent -Gyorgyi

It is stated that publications and research are essential for academic success. If so, how? Let's see....

Research is usually an in-depth look of a certain topic carried out systematically in order to garner novel information and comprehension. A constant involvement and dedication should be given by the researchers to move on in their journey of discovering something new or in rejecting what exists. The role of an institution in research and publications is directly related to its growth and success. This helps them in showcasing their research activities at a global platform.

In healthcare institutions, teaching and learning, patient-care, research, extension and outreach activities exist, where in teaching and learning stands apart taking the utmost place. Time and effort have to be invested by the academicians either directly or by constantly supporting and motivating the students in research activity thereby taking the institution to a higher level in the field of innovations, research and publications. We all know that “guru is not the one who holds torch for us, he is the torch”. And the academicians have a great role in channelizing the positive ideas into research with a tangible outcome.

Research may not be to everyone's cup of tea. Academicians who prioritise research can undoubtedly devote their entire being to it. Some people might be interested in teaching, while others might be more interested in patient care or administrative work. Surveys among healthcare professionals, have proven that the demands of clinical work and hours invested in it are high, leaving little time for research during working hours. In institutions, it is critical to acknowledge their strengths and areas of interest. Thus, it's either in one's own best interest or foster interest in others. Undoubtedly, time constraints may exist, but they should not prevent one from inspiring, motivating, and guiding students and from participating actively in a significant portion of research that could impact the institution and our country.



Dr Hema K.

Such a unique opportunity exists in institutions and this should be thoroughly utilized at the institutions which hosts a vast infrastructure for good research to be carried out. So why not help others create a decent cup of tea if you are unable to prepare the entire tea owing to constraints? After all, research is generating new knowledge and academicians ought to possess a never-ending hunger for fresh knowledge.





## DDE ACTIVITIES

### Lecture on “Isolation in Restorative Dentistry and Minimal Invasive Endodontics”

The Department of Dental Education, KAHER's KLE VK Institute of Dental Sciences, in co-ordination with Indian Dental Association Branch, Belagavi organized a CDE program on the topic “**Isolation in Restorative Dentistry and Minimal Invasive Endodontics**” on 7th October 2023. The Guest speaker for the topic was Dr. Deepesh Bhandari, , specialized in Microscopic Endodontics, Hubballi, who spoke about the importance of amalgamating biology and technology in order to strengthen the health of natural tooth. Total participants attended were 150.



### Lecture on “Move Your Spine”

The Department of Dental Education organized a lecture on the occasion of World Spine Day, on 16th October 2023. The Guest speaker was Dr.Suhas Godbole, Art of Living, Yoga teacher from Mumbai. He gave a lecture on the theme- “**Move Your Spine**”. The session was quite interactive and interesting, emphasizing the importance of movement in taking care of spine and addressing spinal pain. 40 participants were benefitted by the programme.



### Post Graduate Orientation Programme

Post Graduate Orientation Programme was organised by Department of Dental Education for the students of batch 2023 -2024 from 2nd Nov to 20th Nov 2023 in Recreation Hall, KLE VK IDS . Resource persons were Dr Alka Kale, Dr Anjana Bagewadi, Dr Zameera Naik, Dr Ramesh Nayakar, Dr Vaishali Keluskar, Dr Vasanti Jirge, Dr KM Keluskar, Dr Deepa Mane. 40 students were benefitted by these interactive sessions.







## Orientation Programme for Interns

Orientation Programme was organised by the Department of Dental Education for the interns from 21st Nov to 23rd Nov 2023 in Recreation Hall. Resource persons were Dr. Snehalatha Narvekar, Dr. Namratha Patil, Dr. Vijayalakshmi Shettar, Dr. Laxmi Kabra, Dr. Neelamma Shetti. 78 interns were benefitted by these interactive sessions



## Lecture and Hands-on Workshop “Fundamentals of Epidemiology and Biostatistics”

A lecture and Hands on workshop on “Fundamentals of Epidemiology and Biostatistics” in Dental Research for IMDS was organised by Department of Dental Education from 6th Dec to 8th Dec 2023 at recreation Hall. Resource persons were Dr. Roopali Sankeshwari, Professor Dept of PHD, Dr. Punnya Angadi, Prof and Head Dept of Oral Pathology, Dr. J. B. Prasad, Associate Professor and Incharge HOD of Dept of Biostatistics. 38 intern students were benefitted by this workshop.



## Lecture on “Mission Impossible Made Possible”

The Department of Dental Education along with Department of Conservative Dentistry and Endodontics organized a lecture on “Mission Impossible made Possible” to create awareness, benefits on memberships to RCSED, UK on 22nd December 2023 in Prosthodontic Gallery Hall. The guest speaker was Dr. Vinay Shivagange, Micro Endodontist. The session was quite interactive and interesting with 79 participants in this workshop.







## Oral Hygiene Day

Oral Hygiene day was celebrated by the Department of Periodontics, KLE VK IDS on 8th August 2023, to commemorate the birth anniversary of eminent Periodontist Dr. G. B. Shankhwalkar and as a part of birthday celebration of Hon. Chancellor, Dr. Prabhakar Kore. Dr. Alka Kale briefed the audience on the importance of 'Oral Hygiene' and its implication in the overall well being of an individual. Dr. Vilas Pattar delivered a lecture on the role of oxidative stress and its management in periodontal disease. On this occasion the department extended free scaling for a period of one month. The function was graced by more than 100 staff, students and practitioners from Belagavi city.



## Roentgen Week

The Department of Oral medicine and Radiology organized the XII W C Roentgen week, from 7th to 9th Nov. 2023. A series of programmes for the undergraduates, interns and postgraduates were conducted. Lectures on the scope of Oral Medicine and Radiology for interns, reel making competition for interns and UGs and CBCT lecture and hands-on training for all PGs was organized by Dr. Shivayogi Charantimath, Dr. Vasanti Jirge, Dr. Daneshwari, Dr. Kajal Gokak and Dr. Namrata Patil. The total participants were 134.



## International Day of Persons with Disabilities

In Observation of [International Day of Persons with Disabilities](#), a program was organized by the Department of Pedodontics and preventive dentistry in association with Pediatric Neurology and Pediatric Nursing, KLE Institute of Pediatric Nursing, Belagavi, on 7th December 2023. A lecture on "[Challenges in treating the children with special health care needs by health professionals](#)" was delivered by Dr Mahesh Kamate, Prof and Head, Pediatric Neurology, KLE'S Dr Prabhakar Kore Hospital, Belagavi. A total of 150 participants got benefitted from the lecture.







## FACULTY DEVELOPMENT PROGRAMME

### UDEHP Activity

UDEHP in association with the Department of Dental Education conducted a two day training program, "Capacity Building In Futuristic Educational Constructs" on 17th and 18 th of August 2023. This workshop was designed keeping in mind the changing genre of learners, the need for incorporating futuristic constructs in the day to day learning process and training the faculty in the leadership role. The speakers for the topic were -Dr.Pradnya Kakodkar, Education and Research Consultant, Pune and Dr.Jyotsna S, Director and CEO -Urja, Bangalore. There were 56 beneficiaries.



### NABH Sensitization Programme

As a part of DDE activity and as a process of NABH Accreditation, a series of presentations were done to sensitize the faculty on NABH policies and procedures by NABH chapter incharges of the college in the month of Sept. 2023.



Presentations were done by the team members of respective chapters :

Chapter I : Dr. Anand B. ; Dr. Sunita S.; Dr. Kajal B

Chapter II : Dr. Vidyavati Patil

Chapter III : Dr. Sidramesh M

Chapter IV : Dr. Laxmi Kabra

Chapter V : Dr. S. M. Kotrashetti

Chapter VI : Dr. Pushpak Shah

Chapter VII : Dr. Anjana Bagewadi

Chapter VIII : Dr. Sanjay Rao & Dr Suvidha Patil

Chapter IX : Dr. Hema K

Chapter X : Dr. Ramesh N. ; Dr. Deepa M. ; Dr. Vasanti J ; Dr. Swapnil S.





## FACULTY DEVELOPMENT PROGRAMME

### ICT Training

Faculty development programme on ICT training with title “**Impartus workshop : Technical skills development platform for teaching and Learning**”, was organized by IQAC in co-ordination with the Department of Dental Education on 28th July 2023. An interactive lecture session and demonstration on usage and working of Impartus software was conducted by technical team of Upgrad Education Private Limited (UEPL). The total staff benefitted were 85.



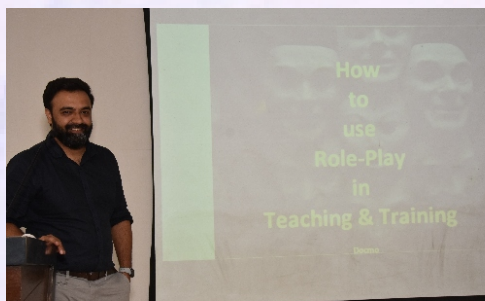
### Utilization of Indexing Databases for Publications

Faculty development programme on “**Utilization of Scopus, Web of Science, Publons, Pubmed and Vidhwan**”, was organized by IQAC in co-ordination with the Department of Dental Education on 21st and 22nd September 2023. A lecture followed by hands on workshop was conducted by resource persons, Dr. Chandrashekar Badekar, Professor Department of Pedodontics and Preventive Dentistry and Dr. Shivayogi Charanthimath, Reader Department of Oral Medicine and Radiology. The total staff benefitted were 85.



### Role Play in Teaching

Faculty development programme on “**Role Play in Teaching**”, was organized by the Department of Prosthodontics in co-ordination with the Department of Dental Education on 29th September 2023. A lecture on “The Significance of Role play in Teaching” was given by Dr. Swapnil Shankargouda, Department of Prosthodontics followed by a role play of the same by Dr. Prashant Karni, Dr. Raghunath Patil, Dr. Mahantesh, Dr. Sayed Killedar and Dr. Veena Benakatti, enacting a technique that allows students to explore realistic situations. The total beneficiaries were 52.







## FACULTY AWARDS



**Dr Punnya V Angadi** Professor and Head of the Department of Oral Pathology and Oral Microbiology, KLE VK IDS has been conferred upon the award of **“Outstanding Researcher”** in oral pathology for the exceptional practice and selfless dedication in Dental speciality by the Board of management of the Venus International Foundation, centre for Health and Medical Sciences, Chennai Tamil Nadu, India.

**Dr Deepa R Mane** Professor in the Department of Oral Pathology and Oral Microbiology has received **“International Outstanding Researcher Award”** for research and academic excellence in oral pathology at the Asia science technology and research awards congress (ASTRA) TN India.



**Dr. Anandkumar Patil**, Professor & Head Department of Prosthodontics, KLEVKIDS received **“National Healthcare Award 2023”**, Acknowledging and honouring his exceptional contributions in the field of oral health care. We appreciate his dedication and hardwork towards teaching and clinical practice

**Dr. Aditya Acharya**, Reader Department of Prosthodontics, KLE VKIDS and CDE convenor of IDA, Belagavi branch was awarded for **“The Best CDE activity – Dr. V. V. Subba Reddy Award”**, by IDA Karnataka State, in appreciation for the hardwork and dedication which has been a great inspiration to others.







## TRAIL - BLAZERS : INVENTIONS BY POSTGRADUATES

### Biometric Tooth Scanner

#### Background of the Invention

Enamel being the outermost layer of tooth; shows a vivid pattern of enamel rod ends microscopically which is unique to individual and is referred to as tooth prints. The study of these prints is called "Amelogyphics (Amelo: Enamel, glyphic: Carvings)". These patterns are recorded by etching the tooth and by the use of various materials such as cellophane tape, acetate peel and rubber-based impression materials which includes time consuming procedures. These are converted into photomicrographs and fed into automated software to convert them into black and white ridges/ grooves for differentiation by the minutiae points on the images. Similar to fingerprints, these can be stored on a database and used for identification.

A novel portable fiber-optic scanner is designed as an alternate and more effective mode of obtaining these unique tooth prints. The built-in-lenses and fiber-optic LEDs will capture the prints on the tooth surface to display on a digital screen via USB/Bluetooth and are identified using an AI based software almost instantaneously. This device can be used both as biometric identification tool and also in identifying the deceased during mass disasters when only tooth remains of an individual are available.

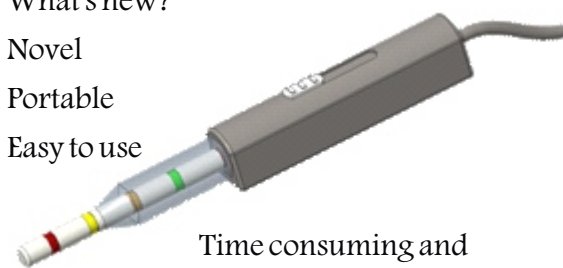
What's new?

Novel

Portable

Easy to use

Time consuming and less tedious Acid Etching-free technique



#### Inventor & Author

**Dr. Julia Thenmozhi N**

Dept. of Oral & Maxillofacial Pathology and Microbiology

KAHER's KLE VKIDS

Belagavi-590010 Karnataka

Email Id: [jujetaly.322@gmail.com](mailto:jujetaly.322@gmail.com)

Phone no. 8870681844



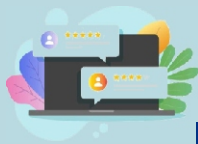
### Postgraduate Award for Invention



**Dr. Ram Surath Kumar K**

**Dr. Varkey NS ; Dr. Kavitha R**

**Dr. Yuvarani K.P.**, have been awarded 1st Prize at 14th IAPHD (Indian Association of Public Health Dentistry) convention, Varanasi, 2023 for their presentation of A "Modified Mouth Mirror For Superior Operating Vision"



## ALUMNI TESTIMONIALS

I am ecstatic to be completed my professional journey as PG student from department of Oral& Maxillofacial Pathology in a prestigious institution KAHER's KLE V K Institute of Dental Science, Belagavi. I owe this incredible opportunity to the unwavering support of my faculty. The overall 3 years MDS programme was meticulously planned & executed by the inspiring minds. It has transformed my personality, honed my experiences, and broadened my perspectives in the field of Oral & Maxillofacial Pathology. Its state-of-the-art facilities, resources & best teachers have been a very important part in my academic accomplishments. I have received exceptional direction and assistance from my professors from our department & it's a best department any PG student could ever ask for. I feel immensely grateful for being a part of this outstanding academic community that has empowered me to pursue my goals & carry forward with the same energy. The seed of where I am today have been planted by this institute & I am forever grateful for that. As I have started my academic journey as a Senior Lecturer, in the Department of Oral & Maxillofacial Pathology at D A Pandu Memorial R V Dental College, Bangalore, Karnataka. My sincere acknowledgment goes to my institution for presenting me with this remarkable prospect and I am eagerly looking forward to exploring the future possibilities in this career Path. Proud to be alumnus of KLE VKIDS.



**Dr. Gouri S  
Panchannavar  
MDS 2020-2023**



**Dr. Ram Kumar  
MDS 2020-2023**

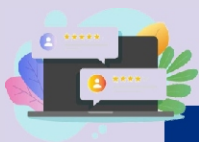
I am truly grateful for the exceptional academic environment at the Department of Public Health Dentistry, KLE VK Institute of Dental Sciences, where I experienced unparalleled freedom to explore diverse research activities and trained in Intellectual Property Rights (patents, copyrights, and designs), outreach programs, drafted various research proposals, Biostatistics and as well as freehand clinical practice. All these led me to take part as a principal investigator in various funded projects. As I stand on the first step of a new chapter in my life as a Research Officer at Oral Health Sciences Centre, Postgraduate Institute of Medical Education and Research (PGIMER Chandigarh), I am confident that the education, values, and skills acquired from the Department of Public Health Dentistry, KLE VKIDS, have prepared me to make meaningful contributions to the field of Public Health Dentistry. A special note of appreciation goes to all my teachers, whose unwavering support and guidance paved the way for my research endeavours. The nurturing atmosphere and the dedication of these educators shaped my academic journey and passion for research. With this, I proudly say that I am an alumnus of this esteemed institution.

I am extremely honoured to be part of this esteemed institution. I have spend the most important period of my career in KLE. My post graduation has been a very enriching one and i owe it to all my Guru's who molded me to be a confident orthodontist today. I owe it to well equipped KLE college with all the state of art facilities and knowledged and skilled teachers to have molded and shaped me to whom I am today. As I have began my career as a assistant professor in vivekanandha dental college and as a private consultant I will be forever indebted to the knowledge and ethical values I learned from our esteemed college



**Dr. Preethi  
Subramanian  
MDS 2019-2022**





## ALUMNI TESTIMONIALS

As a postgraduate in oral and maxillofacial surgery at KLE VK Institute of Dental Sciences, my academic journey was very enriching. Engaging with experienced faculty members deepened my understanding and also inspired me to explore innovative approaches in my research. The comprehensive curriculum and supportive environment created a conducive learning atmosphere. I am grateful for invaluable experiences that shaped my academic and professional growth at this esteemed institution.



**Dr. Faheem Ahmed**  
MDS 2020-2023



**Dr. Gauri Aware**  
MDS 2020-2023

Pursuing Masters prepares us with the finest academic and practical skills and KLE has helped many like me to shape our dreams into reality!. The college has a good infrastructure complemented with a beautiful campus. Department of Periodontics is spacious, pleasant and well equipped with modern devices. There are separate surgical and implant sections for postgraduate students where respective procedures are carried out. Large number of implant cases are planned and completed on a routine basis which include simple straight cases to complex bone grafting, rehabilitation cases. The staff makes sure that students get to learn something new during each case and help them wherever required.

The teaching staff in the department is quite knowledgeable and academically oriented. It feels like 3 years were not enough to acquire all the knowledge they have! They always focus on students' area of interests and give a free hand for academic activities. Presentations and tests were planned and conducted regularly which helped me to understand the topic to the deeper depths. The non-teaching staff is very kind and helpful. They helped me to get acquainted with the department during COVID times, communicate with patients and rest of the departmental things. Apart from this, I was in a lovely company of my batchmates, seniors and juniors who all were like a second family to me! Teaching and non-teaching staff from other departments were also keen to help which made interdepartmental patient handling, knowledge sharing easier and convenient. We were always encouraged to take some time out from curriculum to participate in various cultural and sports activities that take place in the college every year. Although I was there in this department and college only for 3 years, they were filled with opportunities, knowledge, and memories that would be with me for rest of my lifetime!

There is no elevator to success, you have to take the stairs" ~ If there is one place I learnt this, it's at KLE Institute of dental sciences. My journey at KLE VKIDS has been educative and insightful, making it a memorable foundation in my professional life. It has been the most unique experience being taught by my respected professors, given multiple opportunities to pursue what I am passionate about and forming a strong base needed to lead the future practice out of our comfort zone. I have enjoyed the experience of being groomed at an institution like this and I am positive that I would not have had the same experience elsewhere. What makes KLE VKIDS special is that they encourage us to learn outside of the classroom as well. With engaging opportunities and practical assignments, I feel more confident to go out and actively chase my ambitions and goals. I would like to take this opportunity to thank the jovial staff at KLE VKIDS who have been so generous and kind in leading me through this challenging, yet important phase of my life. Forever grateful to be a part of department of Prosthodontics KLE VKIDS



**Dr Sonali Parab**  
MDS 2020-2023



## FACULTY ACHIEVEMENTS

Faculty	Achievements
Dr. Hema Kanathila Dr. Suvidha Patil	Best Poster Presentation in Vidyen International Conferene at Yenopoya Dental College in Oct. 2023.
Dr. Zameera Naik Dr Vasanti Jirge	Best Paper Presentation at National IAOMR Conference Dec 2023 Best Reviewer Award at National IAOMR Conference Dec 2023

## RESEARCH PATENTS (JULY TO DEC 2023)

S.No	Faculty / Student	Department	Patents
1.	Dr. Namit Batra Dr. Tanvi Shukla Dr. Aravindsamy M Dr. Amit Nilgar	Orthodontics	Multi-utility orthodontic wire tucker
2.	Dr Apurva Deshpande Dr Ram Surath Kumar K	Public Health Dentistry	Visual Performance Reinforcement technique. An innovative Oral Health Educational approach for hearing and speech impaired children
3.	Dr. Adithi Rao Dr. Shreya Mantri Dr. Aditya Acharya Dr. Tejashri Pradhan	Orthodontics	Diastema closure with tongue training appliance
4.	Dr. Rajesh Suhas Swami	Prosthodontics	Dental Inter-Shade Matching Device
5.	Dr Tejashri Pradhan	Orthodontics	Braided stainless steel torquing auxiliary as a substitute to four spur torquing auxiliary in begg treatment
6.	Dr Akin Kulangara Korath Dr Charles Jude Dr Rohan Hattarki	Orthodontics	Self activation screw incorporated wrap around retainer
7.	Dr Gowsalya M. Dr Punnya Angadi Mr. Ramesh Kurbet Dr Seema Hallikerimath	Oral Pathology	Portable Dental UV Sterilizer
8.	Dr Rajesh Swami	Prosthodontics	Posteriorly extended incisal pin in dental articulator
9.	Dr Rohan Hattarki Susmita Bala Sheno	Orthodontics	Dental Bracket Positioning Jigs
10.	Dr. Atrey Jagdish Pai Khot Dr. Anil V. Ankola Dr. Veena V. Naik Dr. Roopali M. Sankeshwari Dr. Ram Surath Kumar K	Public Health Dentistry	Ocimum basilicum dental varnish composition, its method of preparation and oral use thereof





## Pen Drop: ARTICLE CORNER

### Portable Dental UV Sterilizer for Dental Outreach Programs

It is rightly said “Cleanliness is indeed next to godliness”. Efficient sterilization technique has been the cornerstone in the prevention of spread of infections and ultimately infectious diseases. Many oral and systemic disease causing organisms can be easily transmitted from the oral cavity through contaminated instruments or materials, if proper infection control protocols are not followed.

Dentists are at increased risk of exposure to disease causing pathogens during dental camps as they often come in contact with contaminated mouth mirrors, dental probes with infected saliva, etc. due to improper sterilization of contaminated or used instruments from previous patients that can pose a threat of infection for subsequent patient as well as the examining dentist. Sound dental sterilization practices in large scale screening in dental camps protects patients, dentists and the whole team.

Sterilization, by definition, is the destruction of all microorganisms, spores, viruses. To have a lot of sterile material in stock ready to use, it is essential to have the most efficient instruments and sterilizers. Use of autoclave or hot air oven for sterilization of the instruments has been the universally accepted method. But it has certain limitations like time consuming, cumbersome, requiring trained personnel to operate, corrosion of metal instruments and cannot be used with heat labile items. Disposable instruments are a viable alternative but are not eco-friendly. Hence, there is a need to search for an effective alternative for achieving proper cleansing of the instruments using a simple, effective, affordable method which could be implemented in dental offices as well as dental outreach programs.

Hence, a novel, portable and convenient UV sterilizer with rechargeable battery for dental diagnostic instrument sterilization in dental outreach programs was designed and granted (Patent Application No. 396399-001) to serve the community in the most aseptic way possible.



Author

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Phone no. 9489870027.



## Yet..... Another Feather on KLE's CAP

KLE Wellness Hospital was inaugurated on 12th August 2023, at Patne Patha Chandgad, Maharashtra by **Dr. Prabhakar Kore**, Honorable Chairman, KLE Society, Belagavi with other dignitaries of KLE Academy of Higher Education and Research, Belagavi. A New Dental Satellite Clinic was also inaugurated in KLE Wellness Hospital, to provide basic dental treatments for patients.



## Evening Dental Clinic - KLE VK IDS, Belagavi



A new evening Dental Clinic was opened at KLE VK Institute of Dental Sciences, Belagavi from 1st August 2023 on the occasion of 76th birthday of Dr Prabhakar Kore, Honorable Chancellor, KLE Academy of Higher Education and Research, Belagavi. A team of specialized dentists are appointed to provide Multi-disciplinary treatment modalities for simple and complex cases.

Seven different speciality dentists are rendering services for those patients who need urgent treatment and who cannot reach dentists during regular working time.

## Meet the Experts



Dr. Roopali S.



Dr. Soumyaly R.



Dr. Raghunath P.



Dr. Veena B.



Dr. Vidyavathi P.



Dr. Karishma P.



Dr. Sneha P.



Dr. Aarti N.



Dr. Vinutha H.



Dr. Neelamma S.

KLEVKIDS







## TREATMENT RENDERED & PATIENT STATISTICS

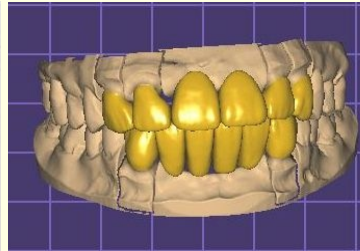
### Digital Smile Designing



Pre-Operative



Computer Aided Designing



Post Operative

Case Treated by :  
Dr Nisha P  
Dr Santosh N  
Department of  
Prosthodontics  
KLE VKIDS, Belagavi

### Nasolabial Flap for Palate Defect Reconstruction



Pre-Operative



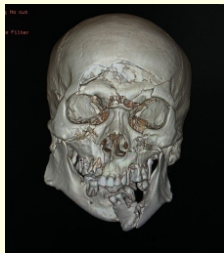
Operative Procedure



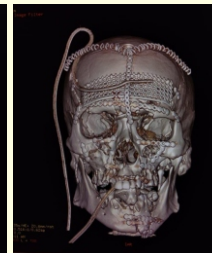
Post-Operative

Operating Surgeon  
Dr. Siddaramesh  
Muttagi  
Dept. of Oral &  
Maxillofacial Surgery  
KLE VKIDS, Belagavi

### Cranio-facial Fracture



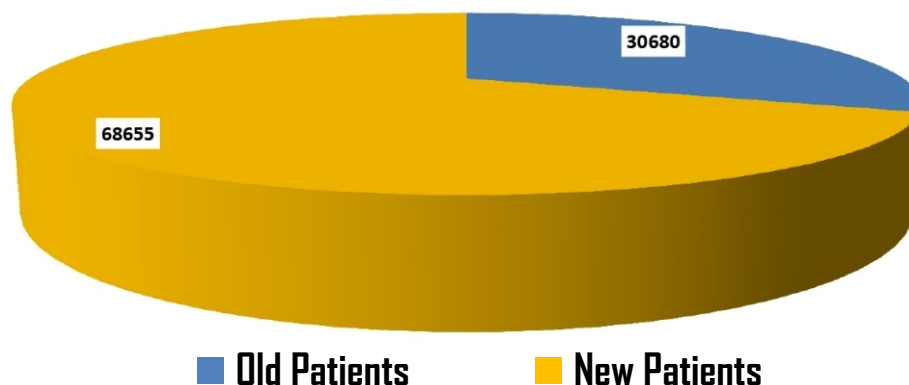
Pre-Operative



Operative Procedure

Operating Surgeons -  
Dr. S. M. Kotrashetti &  
Dr. Tejraj Kale  
Dept. Of Oral & Maxillofacial Surgery  
KLE VKIDS, Belagavi

### No. of Patients treated from July - Dec. 2023







## OUT REACH ACTIVITIES

Serving the community has always been the priority of KLEVKIDS for spreading the awareness of oral health and hygiene. Our out reach activities include Dental services through Dental camps at rural areas, old age homes, schools etc. and we also conduct NSS activities, Tobacco cessation counseling for the public & Swachh Bharath Abhiyan. In camps, patients are screened for oral health issues and referred to KLE VKIDS. Total 65 camps have been conducted and 21485 patients were benefitted.

C

A



### Rural Areas

M

P



S



### Schools





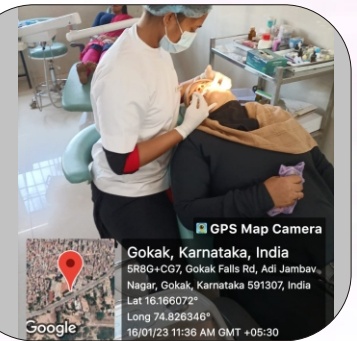
## OUT REACH ACTIVITIES SATELLITE CENTERS

**Nipani**  
3849 Patients Treated



KLE VKIDS has various satellite dental clinics which allows patients to access dental treatments more conveniently and offers the best dental care by being nearer to the community

**Gokak**  
5680 Patients Treated



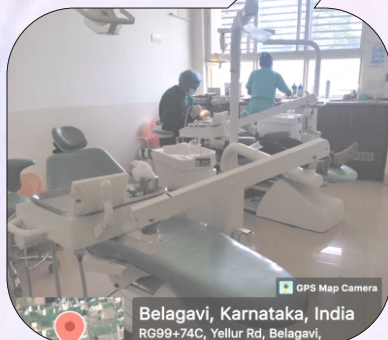
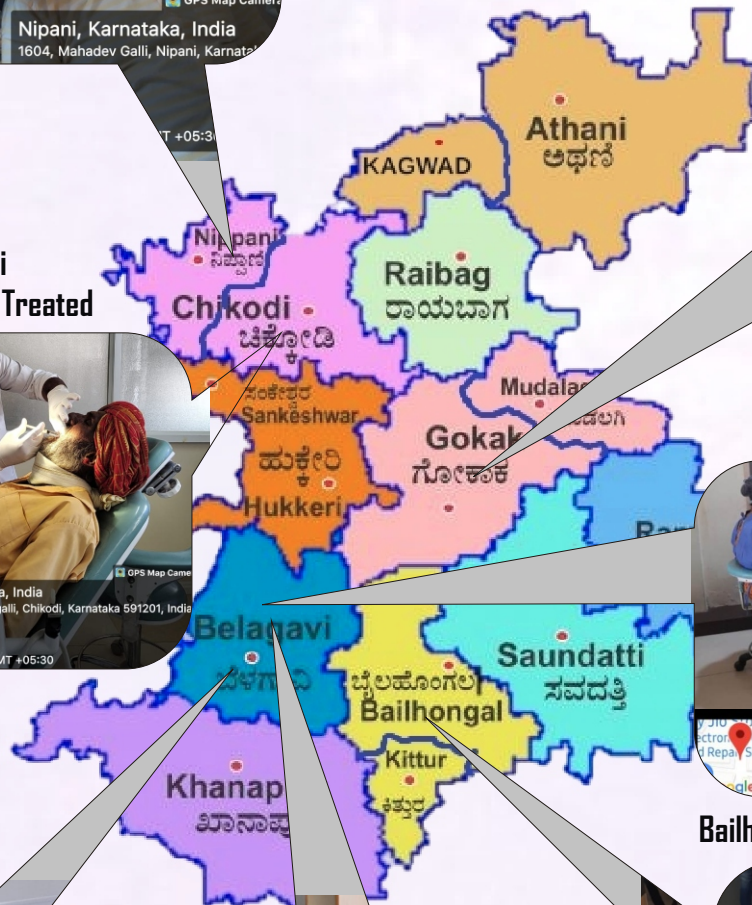
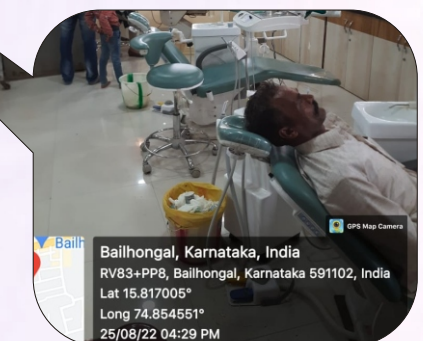
**Chikodi**  
1494 Patients Treated



**Ayurveda** 1424 Patients Treated



**Bailhongal** 2728 Patients Treated

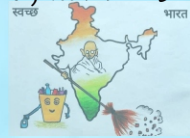


**3311 Patients Treated - Yellur**



**1229 Patients Treated  
CDC & EDC & Changad**





## OUT REACH ACTIVITIES



### Camps for Specially-abled Children



### Awareness on Tobacco Cessation



### Awareness of HIV - Street Play



## Career Path :- A Way to Future Success

### Lasers in Dentistry - Certificate Course

**Preamble :** "Certificate course on Lasers in Dentistry is a meticulously planned, module based 1 year training programme for dental graduates.

Lasers are proven to be beneficial in clinical procedures as an adjunct offering quick and excellent results. Lasers while being efficient ensure a cost-effective treatment with an added benefit of comfort for the patient. A thorough understanding and knowledge of lasers, their features and mechanism of action will help the participants use laser with ease in their routine clinical practice.



#### Course Details :

No. of seats for course: 10 seats.  
 Course Fees : Rs 20,000/-  
 Duration of the Course : 1 year  
 Timings : Every Saturday 10 am to 12 pm  
 Contact : Dr Hema K.  
 Mobile : 9986850892  
 E-mail address : lasers.vkids@gmail.com



### Dant Pari : Dental Auxiliary Certificate Course For Women

**Preamble :** "Dant Pari - A dental auxiliary course" is a skill training certificate course designed for a period of 6 months. This course primarily intends to empower girls / women by providing education and training that can help in employment as dental chair-side assistants for dentist in private dental clinics, government health services (PHCs) and in Dental institutions as dental nurses / auxiliaries.

#### Course Details

- ♦ One time admission for the course (January)
- ♦ Duration : Six months in six continuous modules
- ♦ Timing : 10 am to 3 pm Monday to Friday
- ♦ Course Fees : Rs 5000/-
- ♦ Contact : Dr Neelamma Shetti - 77954 47015
- ♦ E-mail : dantparivkids@gmail.com

**4 students have successfully completed the Dant Pari course and are placed in private dental clinic**

### Certificate Course on Artificial Intelligence in Dentistry

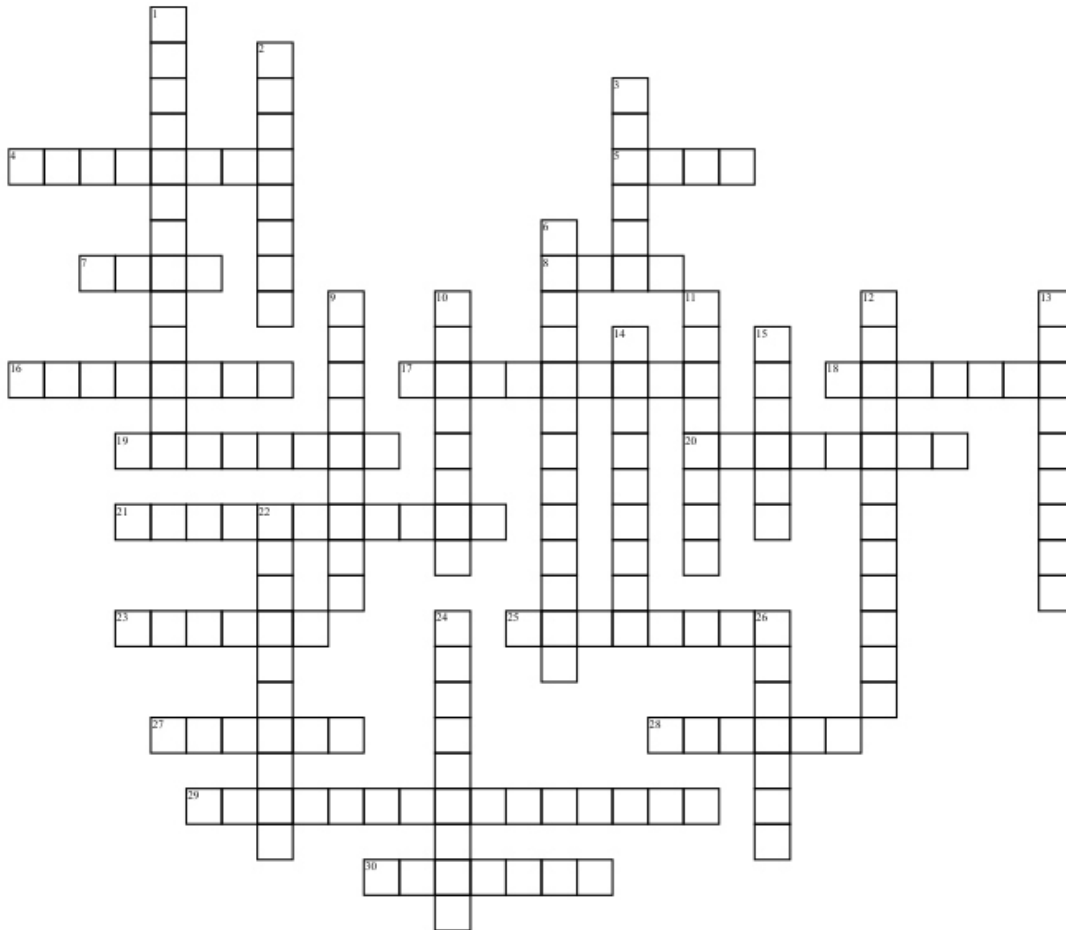
Technology is changing the world; artificial intelligence is one of the technologies that has impacted every domain including healthcare. Keeping this, our institute started a certificate course 'Artificial Intelligence in Dentistry'. The course was inaugurated in November 2022 and ran over 6 months. The certificate course introduced the fundamentals of AI, applying AI for problem-solving in dentistry, and improving students' experimental work capacity through case studies. Now the course has been extended to 1 year with six months externship programme. Till date 16 students have successfully completed the course and presently 15 have enrolled for the ongoing course.

#### Course Details :

- ♦ Weekend Course on Saturday & Sunday
  - ♦ Selection shall be based on first-cum-first-serve basis.
  - ♦ No. of seats for course: 15 seats.
- Contact :** Dr Anand Badavannavar  
 Mobile : 9845857686  
 E-mail address : ai.vkids@gmail.com



## CROSS WORD



### Across

4. What surface faces a neighbouring tooth?
5. What is the end of the root referred to as?
7. What nourishes the tooth?
8. What nourishes the tooth?
16. What is the name for the socket where the tooth sits?
17. What is the area where the root divides?
18. Which teeth are used for tearing food?
19. What is the term for the front part of the mouth?
20. Which teeth are used for biting?
21. What is the area where two roots divide?
23. Which are the surfaces that face toward the back of the mouth?

25. What covers the anatomic root?

27. What makes up the largest part of the tooth?

28. Which surface faces toward the midline of the mouth?

29. What is the part of the bone that forms the sockets for the teeth?

30. What is the term for the surfaces that face the tongue?

### Down

1. What is the portion of tooth that is visible in the mouth?

2. What is the chewing surface of back teeth called?

3. What is the hardest substance in the body?

6. What is term for the opening at the apex of the root?

9. Which teeth help in holding and grinding food?

10. What is the process where the tooth comes through the tissue?

11. What is the term for the lower arch?

12. What portion of the root is always covered by cementum?

13. What portion of the arch do molars and premolars occupy?

14. What is the term for the junction of two surfaces?

15. What is the surface that faces the cheeks?

22. What type of dentin is formed due to trauma or caries?

24. What extends from the furcation to the cervical line?

26. What is the term for the upper arch?



# NEW EQUIPMENT IN 2023



A Trinocular Microscope with HDMI 5 MP camera attachment for projection on TV was gifted to the department of Oral Pathology by Dr Amit Garg, CEO M/s Adelta Optec and 2nd Batch Alumnus of KLE VK IDS.

Contact for details :

[www.adeltaoptec.com](http://www.adeltaoptec.com)

[adeltaoptec@gmail.com](mailto:adeltaoptec@gmail.com)

Trinocular Microscope with  
HDMI 5 MP camera



**We welcome the newly appointed staff**

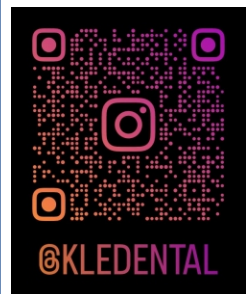


**Dr. Hemalata Hiremath**  
Conservative Dentistry &  
Endodontics



**Dr. Gothe Sannidhi Srinivas**  
Conservative Dentistry  
& Endodontics





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**Instagram** <https://instagram.com/kledental?igshid=OGQ2MjdiOTE=>