



KLE VK Institute of Dental Sciences
A constituent unit of
KLE Academy of Higher Education & Research, Belagavi



2030

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This booklet is prepared by

Principal

KLE VK Institute of Dental Sciences

Nehru Nagar, Belagavi – 590010.

Phone : 0831-2470362

Email : principal@kledental-bgm.edu.in

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**KLE VK INSTITUTE OF DENTAL SCIENCES, BELAGAVI
VISION 2030 DOCUMENT**

PREAMBLE :

A Rare Visionary Effort

In 1916, a dedicated group of teachers called as ‘SAPTARSHIS’ embarked upon a dream vision- “To create a strong education base in the neglected areas of North Karnataka”. Over the past 94 years the KLE Society has remained unparalleled in the field of education. Today KLE Society runs over 200 institutions in the areas of Health Sciences, Engineering, Arts, Commerce, Agriculture....etc

Realizing the need for dental education in North Karnataka, the KLE VK Institute of Dental Sciences was started in August 1985 with an intake of 40 students. By 1992-93 the Institute had expanded with an intake of 100 BDS students per year and commencement of post-graduation in all the specialties of Dentistry. A new era in academics began with the establishment of a cell for Academy of Continued Education in 1996 which got subsequently elevated to the Department of Dental Education. Over the past 13 years the Department of Dental Education has been conducting Scientific Convention annually which serves as a platform for exchange of ideas

among Interns and Post Graduates of various departments which remains to be an unique achievement. A commitment to community service was endorsed by setting up satellite centers at Shiroda, Bailhongal, Nipani, Sambra and Gokak in 2004. Realizing the need of making dentistry available at door steps of unreachable newer satellite centres have been established at Chikodi, Yellur, Hindalga Central Jail and Samadevi galli, Shahapur, Belagavi

With the globalization of Health Education in the new millennium, KLE Society established the KLE University in 2006 with dental college as its constituent unit. Emphasis on the quality of academics was laid with commencement of Ph.D program in 2007 and starting of various certificate courses in specialties of Dentistry.

The Institute believes that knowledge is like a river with continuous flow. The dharma of knowledge is to flow to all corners of the world and nourish the cultures there. We aspire that our students to become **GLOBAL DENTIST**.

PREFACE

A vision and the drive to accomplish the same, is what propels an institution towards excellence. Vision is forward thinking that includes aspiration for the future. A noble vision is one which elevates the energy, enthusiasm and self-esteem of everyone while ensuring that everyone benefits through it. The vision of KLE Vishwanath Katti Institute of Dental Sciences is “To be an outstanding Dental Institute of excellence to provide need based, value based and career based programmes to build a self-reliant global dentist who shall imbibe the ever changing needs of time to adopt and excel in the profession”.

It is this vision we protect, nurture and build on. This dream is supported and guided by Dr. Prabhakar Kore, Honorable Chancellor and Dr. (Prof) Vivek Saoji, Honorable Vice- Chancellor of KLE Academy of Higher Education and Research (KLE – Deemed-to-be-University), Belagavi. The teaching and non-teaching faculty, Heads of the Department and the IQAC cell under the leadership of Principal and Dean, aspire and work together to accomplish the same.

The vision 2030 document has been prepared keeping in view the vision, mission and objectives of our institute and also the changing demands of dental profession. The targeted goals for 2030

have been segregated into short term and long term goals for ease of implementation.

Under the guidance and entrepreneurship of KLE Society and the University, with grit and determination of the dedicated team of dental faculty it would not be long before vision 2030 becomes a reality.

VISION

To be an outstanding Dental Institution of excellence to provide need based, value based and career based programmes to build a self-reliant global dentist who shall imbibe the ever changing needs of time to **‘Adapt and Excel’** in the profession.

MISSION

Develop cognitive skills to generate, assimilate, validate and transmit knowledge through Teaching, Learning and Research, so as to render state of art, uncompromised and ethical treatment to ensure good Oral Health Care for Human kind.

OBJECTIVES

1. To execute effectively the knowledge and skills as prescribed for a particular Dental program through creativity and innovation in teaching, learning and evaluation.
2. To establish and implement effective systems for reviewing and redesigning the programmes to make existing programmes career oriented.
3. To institute spirit of enquiry and scientific temperament among dental students through research oriented activities.
4. To build values, ethics and civic responsibilities in students, which will help them to acquire professional abilities and develop their personality.
5. To ensure that students graduating from this institution are not only well trained professionals but also individuals having sound moral character.
6. To offer competent academic, career and personal counseling to all stake holders and to strengthen, develop and implement staff and student welfare programs.
7. To ensure participation, transparency and accountability of all in the governance of academic and administrative activities of the Institute.

8. To render effective and holistic dental treatment so as to implement preventive, interceptive and curative measures.
9. To establish and maintain liaison with the government and non-government agencies that may further the development, improvement and support of oral health care services, dental education and resources.
10. To learn and adapt to the evolving global trends in teaching learning, assessment ; research; patient care ; technology and emerging & re-emerging diseases.

Values :

1. Professional and ethical approach for teaching learning and assessment.
2. Enriching the educational curriculum with value added courses.
3. Social obligation by reaching dentistry to the unreachable.
4. Undertake ethical research work with tangible social impact.
5. State of art infrastructure for standardized, ethical and professional approach for patient care.
6. To achieve global standards for education and patient care.

Road Map to Achieve the Goals

We aspire to achieve our goals to enhance the overall performance and facilities of our institution under the following heads as our future plan :

1. ACADEMICS

Goals : (1 to 5 years)

- a. Continue and enhance hybrid mode of teaching.
- b. Augment use of ICT and Web based platforms.
- c. Use of digital Tabs for Teaching-Learning
- d. Installation of smart boards to make all class rooms as smart classrooms.
- e. Develop inter disciplinary online certificate courses.
- f. Making additions and modifications in existing skill labs for training students on simulators.
- g. Enhancing postgraduate preclinical teaching using simulators and newer equipment.
- h. Adopting newer Teaching-Learning and assessment methods for UG and PG programmes.

- i. E-content development for digital plat forms (like Swayam, E-patashala, Moodle, Astrika etc.)
- j. Implement Competency Based Dental Education (CBDE)
- k. Student exchange programme for UG and PG
- l. Develop elective programmes for enhancing skills in students
- m. To add value added courses for training.

Goals : (5 to 10 years)

- a. Strengthening e-content development on recognized platforms.
- b. Display screens and monitors in all pre-clinical labs.
- c. Strengthening the use of ICT enabled Teaching-Learning.
- d. Establish conscious sedation unit for behavior guidance of un-cooperative pediatric patients.
- e. Credit based electives for internal assessment grading.
- f. Introduction of Artificial Intelligence application in Dentistry.
- g. Implement elective programmes for enhancing skills in students in-line with the National Education Policy.

2. RESEARCH

Goals : (1 to 5 years)

- a. Develop interdisciplinary research.
- b. Establish laboratories with equipments to facilitate research in thrust areas.
- c. Formulate long term studies with social impact.
- d. Develop research for use of herbal products for treatment of oral mucosal lesions.
- e. Develop multicentric research through grants and external funding.
- f. Apply for inter-disciplinary / intra- disciplinary research proposal for internal funding.
- g. Develop artificial intelligence based research with machine learning to simulate clinical situations.
- h. Setting-up incubation centre for innovations in applied and clinical sciences.
- i. Develop policy for research incentives.
- j. Motivate faculty for publication atleast once in two years in recognized and high impact journals.

Goals : (5 to 10 years)

- a. Herbal products to be patented and marketed.
- b. To upscale existing research with international collaborations.
- c. Automation of laboratories of department of Oral Pathology, Prosthodontics, Periodontics and Conservative Dentistry. (CAD/CAM and 3D printing, Slide scanners for digital pathology, Automated tissue processor, Hard tissue microtome, Baby-ROMA index, Tissue banking).
- d. Develop public private partnership.
- e. Enhance multicentric, multi-disciplinary research projects with National and International collaborations.
- f. Well-equipped mobile dental unit for collection, storage and transport of saliva, blood and other samples.

3. INNOVATIONS

Goals : (1 to 5 years)

- a. Introduce and sensitize about Artificial Intelligence in Dentistry.
- b. Develop collaboration with institute of Engineering, Pharmacy, Ayurveda and Industry for research and innovation.
- c. Use of innovative methods in academics and research.
- d. Register patents for commercial use.

Goals : (5 to 10 years)

- a. Implement Artificial intelligence in the practice of dentistry.
- b. Enhance the equipments required for patient care.
- c. Use of navigation in maxillofacial surgeries and orthodontics.
- d. Enhance start-ups and incubation centre.

4. COLLABORATIONS

Goals : (1 to 5 years)

- a. Establish National and International collaborations with reputed intuitions.
- b. Establish student exchange programme.
- c. Develop collaboration with NGO's and other government agencies for patient care.

Goals : (5 to 10 years)

- a. Strengthening MoUs with National and International institute with repute.
- b. Collaboration with government agencies for enrichment of community based programmes.
- c. Use of Artificial Intelligence in enhancement of infrastructure and Teaching-Learning.

5. LIBRARY

Goals : (1 to 5 years)

- a. Faculty to visit central library twice a week.
- b. Host programs for all students / faculty that encourage a deeper understanding and appreciation of the newer text available, which will promote social engagement of students and teachers.
- c. Develop Teaching-Learning activities for students through innovative and interesting mechanism (On the spot library search for : definition / words / phrases / text etc).
- d. Hold faculty events at least twice a year in the library to seek recommendations for collections of books and journals.
- e. Provide timely information on library web site and social media accounts
- f. Request feedback from stake holders on ways the library can improve.
- g. Foster partnerships with dental practitioners for library use and services.

Goals : (5 to 10 years)

- a. Continue outreach efforts to homebound patrons through home book delivery.

- b. Feedback from dental practitioners for enhancing library material.
- c. Add comfortable outdoor seating spaces.
- d. Hold one activity of dental practitioners and institute faculty in the library

6. STUDENT AMINITIES

Goals : (1 to 5 years)

- a. Promote use of iPads and laptops during routine classroom and laboratory teaching.
- b. Establish smart class rooms.
- c. Develop live demonstration of clinical procedures through closed circuit display through CCTV for chair side and OT procedures.
- d. Class rooms and seminar rooms with laptop connection and advance network sharing.
- e. Use of simulation lab for performing surgical procedures for UGs and PGs.

Goals : (5 to 10 years)

- a. Ipads and laptops to be made mandatory and develop paper less dental teaching mechanism.
- b. Develop virtual reality on all clinical procedures
- c. Promote learning through electronic and social media

7. INFRASTRUCTURE

Goals : (1 to 5 years)

- a. Establish central sterilization facility.
- b. Strengthening existing WiFi connectivity and the LAN system.
- c. Replace old dental chairs and equipments with latest technology for patient care in each department.
- d. Develop a separate implant section.
- e. To strengthen skill lab with full body mannequins and other equipment and models.

Goals : (5 to 10 years)

- a. Automation of the entire building.
- b. Smart cards for all students and faculty for day-to-day activities in the institute.
- c. Modernization of the classroom.
- d. Facilities for student's small group activities and interactive Teaching-Learning mechanism.

8. PATIENT CARE

Goals : (1 to 5 years)

- a. Strengthen mechanism for increasing flow of patients through
 - i. Effective patient management and time bond treatment plan.
 - ii. Referring patients for immediate required treatment to concerned departments with a flag.
 - iii. Strict adherence to patient appointments by all treating doctors / interns / postgraduates / undergraduates
 - iv. Bring about awareness of newer treatment methods by publishing in social media and local newspapers.
 - v. Increasing awareness for oral health care through dental camps
- b. Obtain patient feedback, analyse, improvise and implement changes

Goals : (5 to 10 years)

- a. Developing dental insurance scheme through educational institutions for coverage of dental treatment
- b. Developing MoUs with NGOs / government agencies / industry / educational institution for dental treatment.



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(Deemed-to-be-University)
Nehru Nagar, Belagavi - 590 010
Phone : 0831-2470362
Email : principal@kledental-bgm.edu.in
website : kledental-bgm.edu.in**
