



CHILDREN'S EDUCATION SOCIETY (Regd.)

THE OXFORD DENTAL COLLEGE

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences,  
Karnataka & Recognised by Dental Council of India, New Delhi)

Bommanahalli, Hosur Road, Bangalore - 560 068.

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Website: www.theoxford.edu

Details of ICT Enabled Tools Used for Teaching and Learning

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
116	116	Desktops: 56 Projectors: 09 Overhead Projector: 04 Dental X-ray film scanner: 01 Internet & Wi Fi  Total = 70	4	10	1. Teachers can benefit from the resources as well, by employing useful tools. Electronic resources consist like e-Journals (helinet)e-Books and e-Media for data representing the numbers, text graphics, CD/DVD's, images, maps, music sounds etc. 2. PowerPoint presentations individual videos from YouTube by concept experts' animations. 3. Complementing the Chalk and Talk methods with audio-visual aids using Power Point presentation, Videos and animations

  
Dean and Director  
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All departments have computers with internet connection, printers, scanners which help in teaching learning treatment and research.

**ICT Enabled Tools for Teaching Learning:**

- The college has 6 class rooms, 9 seminar halls and one auditorium which have LCD projectors, Wi-Fi and LAN connection.
- The college has 56 Desktops 09 Projectors, 04 Overhead Projector and 1 Dental X-ray film scanner in the campus. Faculties use these facilities to train students. Students also use the facility to access reading material like Journals & Articles
- The entire campus is Wi-Fi enabled and a dedicated 60 Mbps internet leased line is available for the college.
- The software's in the systems are constantly upgraded and antivirus and other are in place to protect the data of users.
- Department wise Power point presentations are available for the students which are meticulously prepared by the teaching faculty for the better understanding and learning of the subject.
- Audio visual room available in the library for the video conferencing.
- More than 355 educational CDs and DVDs are available in the library
- Question bank with question papers for the past 15 years are made available in the library.
- Teachers are trained time to time to upgrade their skills with usage of ICT facilities for the benefit of the students.
- Image analysis software is available for cytomorphometric studies for the students for their projects, short studies and dissertation work.
- CCTV Camera is installed in all the class rooms and in common areas which is connected to a system for safety measures.
- The institution has an IT committee which advises the Governing council/BOM to upgrade its IT services which benefit the stakeholders.

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### ICT enabled tools for patient management:

1. All the clinics of the college are connected by patient management software called G – Health software. It has been developed based on the requirement gathered from Oxford Institute of Dental Sciences. It has been developed by the Gestalt learn and all the necessary testing and validation done by gestalt team.
2. Process defined to check the functionality of each of the forms in software, it had fulfilled the entire check point in the process.
3. The whole process was performed by entering virtual discographic data with all data request in to software.
4. Data bases level validation done for the correctness of data  
Following are the modules included in the validation & implemented
  - Software setup
  - Patient registration
  - Outpatient Billing
  - Doctor desk
  - Materials management
5. The X-ray software saves time, is safe, and improves your results.
6. The department of Prosthodontics has an advanced version of T-scan Software Version 9.0 a digital occlusal analysis device that measures the timing and force of contacts in the mouth using sensor technology. This software was recently upgraded in response to growing trends in digital dentistry, such as comprehensive data-driven treatment planning and digital work flow integration.
7. T-Scan is used by clinicians to identify and analyse occlusal imbalances in a variety of dental applications. Software data is used clinically to identify a source of pain or discomfort, verify balance and pressure across the dentition, validate a potentially damaging contact, signify contact timing, and more.
8. The department of implantology has Dbswin the durr dental vista scan. which allows easy access to visualize the imaging procured with vista scan in tra operatively, fast and efficiently
9. The department of orthodontics has the Dolphin 3D software which is a powerful tool that makes processing 3D data extremely simple, enabling dental specialists from a wide variety of disciplines to diagnose, plan treatment, document and present cases. Dolphin 3D allows visualization and analysis of cranio facial anatomy from data produced by cone beam computed tomography (CBCT), MRI, medical CT and 3D facial camera systems. Dolphin 3D software is already widely used by research/teaching institutes and private practices worldwide
10. The department of oral Pathology has progress image analysis of tware which helps in his to morpho metric analysis.

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11. Department of Conservative dentistry and Pedodontics have the SOPRO imaging software. It is an innovative technology with phosphor plate providing Fast, compact, and ergonomic for high image quality radiographs.

#### **ICT enabled tools for library:**

**The central library has BlogSpot to search information of library with open access system.**

The central library developed blog (TODCL.blogspot.com) and uploaded university external examination question papers and current syllabus on the library portal with the help of "todcl.blogspot.com". All question papers are arranged as per the branches, grouped year-wise so as to enable easy and direct access to the Students from anywhere. Users can access e-journals and downloaded which are provided by HELINET Consortium.

**Books are issued through the kiosk integrated with RFID, internetbrowsing centre, question bank.**

Books are issued through the lib soft software which is presently using in desktop version (9.8) and it is going to be upgradation with web version.

**There is a provision in the library for Audio visual learning in a separate AV room.**

The TODC-central library is having a good audio-visual room is a place where the students of all classes experience learning in an effective way with providing valuable information and expanding the horizon of experience.

The Audio-Visual Centre supports the University's programs and activities. It aims to provide wide range of communication-learning opportunities to students through the use of Audio-Visual instructional and educational materials and equipment. Audio Visual Materials (AVMs) are those things can be understood by observing visual aspect of anything's. According to The Librarian Glossary (1987) "AVMs as non-book materials like tapes, slides, films which are renewed and recent to rather than read as books.

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