

Criteria 4: Infrastructure and Learning Resources

We provide state-of-the-art **infrastructure** and well-equipped **labs**, ensuring students have access to the best resources for learning and research. Our **digital library**, **IT-enabled classrooms**, and **clinical facilities** support the academic and professional growth of students.

Importance: A robust infrastructure ensures that students and faculty have the tools and environment needed to enhance learning, research, and patient care, creating a conducive academic atmosphere.



Well-maintained Building



Smart boards in all classrooms



Conscious Sedation Unit



Cone Beam Computed Tomography



Endodontic Microscope



Mobile Dental Van



Air-conditioned Digital Library

CRITERIA 4 Modernizing Learning Spaces



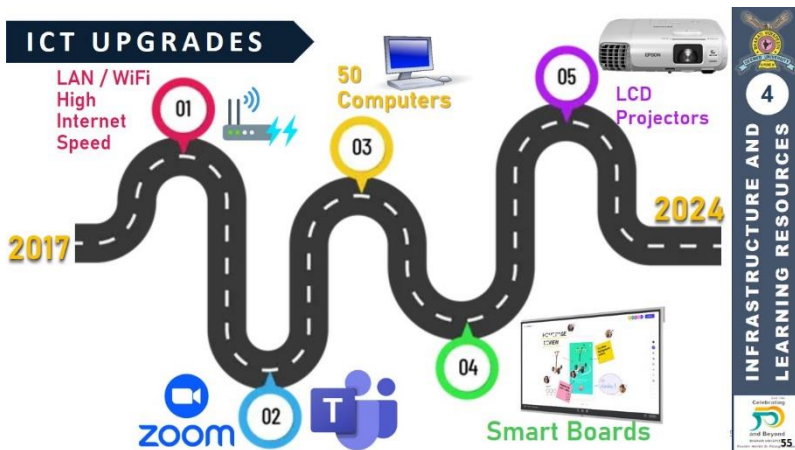
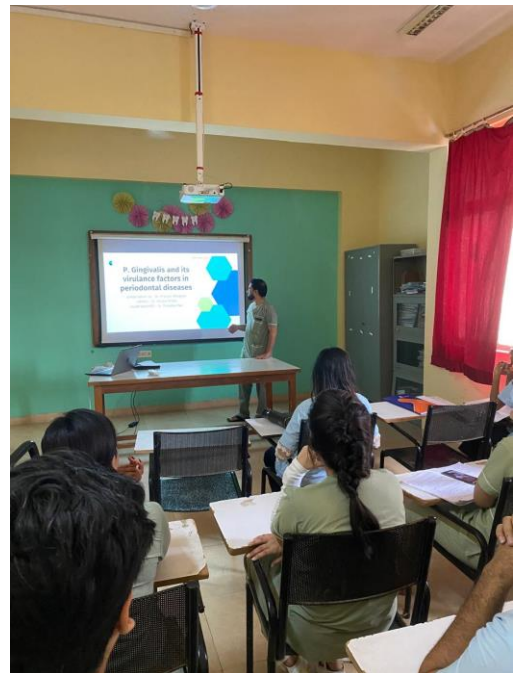
Recognizing the importance of providing an environment that supports learning and development, Bharati Vidyapeeth Dental College and Hospital has invested in state-of-the-art infrastructure and advanced learning resources. Our facilities are designed to create an engaging, student-centric environment that promotes hands-on learning, critical thinking, and the practical application of knowledge.

1. Well-maintained Building: Our campus features a well-maintained building equipped with all the necessary facilities to support a conducive learning environment. The infrastructure is designed to cater to the diverse needs of our students, ensuring that they have access to the best possible educational resources.



1. Lecture Halls and Seminar Halls

Our air-conditioned lecture halls are designed to accommodate large groups of students while ensuring an optimal learning environment. Equipped with advanced audiovisual aids such as projectors, microphones, and smartboards, these halls facilitate interactive and multimedia-based learning. Also every department has seminar room with projectors for seminar presentations. The spacious and well-ventilated lecture rooms provide students with a comfortable atmosphere conducive to focused academic engagement.



2. Pre-clinical Labs



The Pre-Clinical Labs at Bharati Vidyapeeth Dental College and Hospital, Navi Mumbai, are designed to provide students with hands-on training. These labs offer a controlled environment where students can practice fundamental dental procedures on models before advancing to real clinical settings. In these labs, students gain hands-on experience through simulations like the **crown lengthening procedure on goat jaws** and **CPR demonstrations**,

Prosthodontics and Conservative Dentistry Labs:

These labs help students master procedures like tooth carving, crown preparation, wax-up, and prosthetics work, which is done in the dentistry lab.



- Phantom Head Lab: A specialized area where students perform simulated dental procedures on manikins. This lab helps them build confidence and proficiency in cavity preparations, restorations, and root canal treatments before interacting with patients.

-Anatomy Models



Histology practical



3. Clinical Departments

Bharati Vidyapeeth Dental College and Hospital, Navi Mumbai, boasts advanced clinical departments that are fully equipped with modern tools and technologies to ensure students receive top-notch hands-on training while treating real patients under expert supervision. Below are the key clinical departments and their specialized facilities:



- Conservative Dentistry and Endodontics:

This department is designed to provide students with experience in restorative dental treatments. It is equipped with cutting-edge instruments such as Endodontic Microscopes, which offer high magnification, ensuring precise endodontic treatments such as root canal therapy. The department is fully prepared to handle complex restorations, making it an ideal place for students to gain advanced skills in both simple and intricate dental conservation procedures.

- Oral and Maxillofacial Surgery:



The department focuses on the surgical management of oral diseases, injuries, and deformities. It is equipped to perform minor surgical procedures, tooth extractions, and facial trauma management. The surgery department also provides training in complex surgical interventions such as orthognathic surgeries and reconstructive procedures.

- Periodontology:



The Periodontology department is a hub for advanced gum treatments and implantology. It is equipped with modern tools, including Diode Lasers for minimally invasive gum surgeries, Implant Units for dental implants, and a Piezo Surgery Unit for precise bone surgeries. Students gain hands-on experience in periodontal care, soft tissue management, and advanced implant procedures, preparing them for complex periodontal therapies.



Orthodontics:



This department specializes in the correction of misaligned teeth and jaws. Equipped with the latest technologies, including Invisalign, which offers clear aligner therapy, the department trains students in both traditional braces and modern orthodontic techniques. The curriculum covers everything from diagnosis to treatment planning and execution of orthodontic treatments.



Pedodontics and Preventive Dentistry:



Catering to the unique needs of children, the Pedodontics department ensures students are well-versed in pediatric dentistry. The department offers **conscious sedation** facilities to provide painless treatments for young patients. From dental restorations to habit-breaking appliances and preventive care, the department ensures that students are trained to handle even the most challenging pediatric cases with compassion and care.



- Prosthodontics and Crown & Bridge:



Focused on the replacement of missing teeth and oral structures, the Prosthodontics department features advanced facilities for dental implants as well as ocular and ear prosthetics. Postgraduate students are trained in implant placement and complex prosthodontic rehabilitation. The department emphasizes creating both functional and aesthetic solutions for patients, offering hands-on training in complete dentures, fixed partial dentures, and maxillofacial prosthetics.



- Oral Medicine and Radiology (OMDR):



This department is a central pillar of diagnostic dentistry, equipped with the latest Cone Beam Computed Tomography (CBCT) for detailed imaging and diagnosis. The OMDR department is also home to a Tobacco Cessation Unit , where students actively participate in counseling and treating patients struggling with tobacco-related habits. This combination of imaging and prevention makes OMDR a vital training ground for students interested in diagnostic and preventive care.



- Oral Pathology and DADH

The Oral Pathology Department at Bharati Vidyapeeth Dental College and Hospital, Navi Mumbai, plays a pivotal role in the diagnosis of oral diseases at the microscopic level. Equipped with advanced facilities for blood testing and specimen analysis, the department enables students to gain hands-on experience in diagnosing conditions such as oral cancer and infections by studying tissue samples and other biological specimens. Students also engage in wax tooth carvings, which helps them understand the intricate anatomy of teeth. This department is essential in educating students on the critical role of pathology in accurate diagnosis and comprehensive treatment planning, laying the foundation for well-rounded dental care.



- Dental Van (Public Health Dentistry)



Focused on public health and preventive dental care, the Community Dentistry department actively engages students in community outreach programs, dental camps, and awareness drives. Our Dental Van is well equipped to treat patients at these camps.



4. Dedicated Implant Center

The college has a dedicated implant center for postgraduate students, where they gain hands-on experience in advanced implant procedures under the guidance of experienced faculty. This center is equipped with the latest implantology tools, ensuring students are trained in the most up-to-date techniques for dental implants, including surgical placement and prosthetic rehabilitation.



5. Comprehensive Clinic

The Comprehensive Clinic provides students with a holistic clinical experience. Under one roof, students manage cases that span across multiple specialties—much like a real dental practice where various treatments are offered in one place. This helps students develop an understanding of patient management in a comprehensive dental setting, covering diagnosis, treatment planning, and execution of various dental procedures.

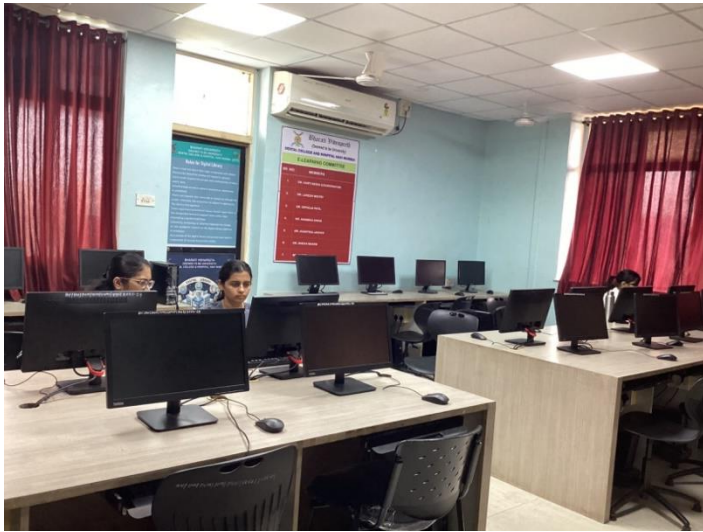
6. Research Lab (Refer to Research Infrastructure)

The Research Lab at Bharati Vidyapeeth Dental College is a well-equipped facility dedicated to fostering dental research and innovation. Students and faculty work collaboratively on cutting-edge research projects that advance dental science. The lab features advanced tools for tissue analysis, ensuring that students are trained in the latest research methodologies. With a strong emphasis on evidence-based practices, the research lab plays a vital role in preparing students for academic and clinical research careers.

7. Air-conditioned Digital Library



The college library is a hub of knowledge, offering an extensive collection of textbooks, journals, and e-resources. It is divided into various sections to meet the academic needs of students, faculty, and researchers:



- Digital Library: This section provides access to a wide array of online resources, e-journals, and digital textbooks, enabling students and faculty to stay updated with the latest developments in dental research and practice.

- Reference Section: A collection of important reference books, covering both foundational and advanced topics in dentistry, is available for quick access to authoritative information.

- Journal Section (National and International): This section houses subscriptions to both national and international dental journals, ensuring that students and faculty have access to cutting-edge research and case reports from around the world.

- Dedicated Reading Halls: The library offers separate reading areas for undergraduate students, postgraduate students, and faculty, creating a conducive environment for focused study and research.



- **KOHA Software**
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DIGITAL LIBRARY



✓ iThenticate

Office



8. Sterilization Room



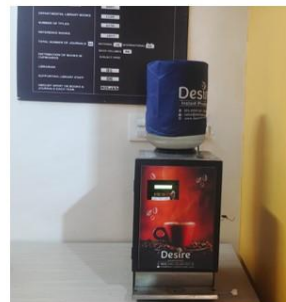
Maintaining the highest standards of infection control, our sterilization room is equipped with autoclaves and advanced sterilization units. This facility ensures that all instruments used in clinical procedures are properly sterilized, providing a safe

environment for both students and patients.

Bharati Vidyapeeth Dental College and Hospital, Navi Mumbai, is an institution that provides its students with a comprehensive academic and clinical education. With its state-of-the-art infrastructure, including advanced clinical departments, a dedicated implant center, a comprehensive clinic, research lab, and a well-equipped library, the college is dedicated to producing skilled and compassionate dental professionals. The combination of theoretical learning, hands-on experience, and research opportunities ensures that graduates from the institution are well-prepared to meet the demands of modern dentistry.

LIBRARY

- Spacious (8252 sq. ft.)
- Air-conditioned
- Journal & reference section
- UG book section
- Reading room
- Tea and Coffee Vending machine
- Number of Books in the Library : 8499
- Footfalls: 60 to 70 visitors per day





INFRASTRUCTURAL DEVELOPMENT

"Modernizing Learning spaces"

- **Smart boards**
- **CBCT**
- **Conscious sedation**
- **IQAC/NAAC Room with ICT facility**
- **50 new dental chairs**
- **Dental microscope**
- **Hematology lab**
- **Upgraded restroom facilities**
- **Air-conditioned Classrooms and Clinics**



