



Smt. Mallavabai Vayal Memorial Charitable Dental Hospital & Research Centre, Solapur Undertaking
PANDIT DEENDAYAL UPADHYAY DENTAL COLLEGE
Recognized by Dental Council of India, New Delhi and Affiliated by M.U.H.S Nashik
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E-mail: pdudentalcollege@rediffmail.com Web site: www.pdudentalcollege.co.in

Sr. No	TOPIC	REFORMS	
		MUHS	INSTITUTE
1.	EXAMINATION PROCEDURE	Central observer is appointed by the university to ascertain conduct of examination	CIE is conducted centrally through examination committee following the SOP
		Online Question Bank & Question Paper setting	Oral Structured viva voce (OSVV)
		Secure Delivery of Question Paper	Graded escalation of difficulty index (GEDI) using flashcards
		Optical Mark recognition and Barcode facility	Model answers papers which serves as a prototype for evaluation
		CCTV & high -speed internet relayed to DCI	Repertoire of cases the case based and problem based evaluation
		Student registration to issuance of Admit Card/Hall tickets	CCTV surveillance for conduct of CIE
		Online Application for Reevaluation of answer scripts	Digital evaluation centre (DEC) for online evaluation of university answer books.
		Data entry done via a secured MUHS portal	




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List of examination reforms

- a. **Examination procedures:** University papers are verified by subject experts for mistakes or out of syllabus questions half an hour before the examination. There is a computerized question paper sent by the Maharashtra University of Health Sciences. Training sessions are held at the University for 1st BDS students on how to answer their theory paper.
- b. **Processes integrating IT:** The examination papers of the students are uploaded and digital evaluation is carried out. This allows for rapid announcement of results. To maintain transparency video recordings are made of both theory examination and viva voce conducted. The LMS portal (Quiklrn) allows for both self-assessments by the student as well as allows formative evaluation by the faculty.
- c. **Continuous assessment system:** Three internal examinations are carried out for undergraduates. Two mock examinations are carried out for post-graduate students. Apart from this periodic tests are also conducted for PGs.
- d. **Competency based assessment:** The final internal examination for UGs and mock examination with both internal and external examiners for PGs has practical, viva voce and chair-side discussion components which help us assess the competency of the students. Clinical skills are tested by assessing the student's work on phantom heads and patients.
- e. **Work place based assessment:** Feedback is taken from the employees of our alumni to assess the adequacy of the course.
- f. **Self-assessment:** After completing the syllabus UG students are given tests which they have to evaluate themselves. The answers are provided by the staff. This exercise lets them know their shortcomings and motivates them to perform better. The LMS system also serves as a mode of self- assessment.
- g. **OSCE/ OSPE:** Using OSCE as a method of assessment for the students during their internals has provided various advantages over the traditional method of examination like:
 1. Assessing and providing a 360degree view of the students competency in recording of case history and its various procedures,
 2. Enabled to provide a feedback immediately to motivate and help the students reach their desired competency levels.
 3. Eliminated the subjective component of traditional assessment systems by using an objective checklist at each station.
 4. Ensured similar level of complexity for all students.
 5. Enabled to assess the problem solving abilities, skills and factual knowledge better than the traditional method of examination.



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Consolidated Report on usage of Clinical Skill Laboratory, models, mannequins for simulation based learning at PANDIT DEENDAYAL UPADHYAY DENTAL COLLEGE, SOLAPUR

The institution houses several laboratory equipment and structured setup to conduct practical demonstrations, sessions and examinations for the students during the course curricula of both undergraduate and post-graduate programs. They include –

1. Dental Anatomy & Dental Histology Lab – I BDS students learn & practice the sculpting of different teeth forms on wax blocks to understand the contacts and contours of teeth in patient's oral cavity.
2. Dental Materials Lab – I BDS & II BDS students learn & practice the manipulation of various dental materials used to treat patient ailments.
3. Pre-Clinical Prosthodontics Lab – I BDS & II BDS students learn & practice various laboratory steps in the fabrication of a removable prosthesis.
4. Pre-Clinical Operative Lab – II BDS students learn & practice preparation of various cavity designs and restorations on typhodont teeth mounted on Phantom Heads as a pre-clinical activity.
5. Crown & Bridge Lab – III BDS & IV BDS students learn & practice various types of teeth preparations to receive different designs of prosthetic crowns and bridges on typhodont teeth mounted on Phantom Heads as a pre-clinical activity.
6. Orthodontics Lab – IV BDS students learn & practice ways of wire bending to make removable orthodontic appliances on dental models.
7. Pedodontics Lab – IV BDS students learn & practice the carving of deciduous teeth and fabricate different pedodontic treatment appliances.
8. Prosthodontic lab equipment – Under-graduating and Post-graduating students use the trimmers, acrylizers, lathes and polishing equipment to process and complete their preclinical denture and cast partial work.
9. Prosthodontics PG Clinic Mannequins – Post-graduating students in the department of Prosthodontics practice teeth preparations to receive different designs of prosthetic crowns and bridges on typhodont teeth mounted to these mannequins before they start their clinical cases.
10. Fully adjustable Articulators - Post-graduating students in the department of Prosthodontics observe, learn and use these articulators for Complete Denture and Fullmouth rehabilitation cases.
11. Orthodontics Typhodonts – Post-graduating students in the department of Orthodontics learn the tooth movement patterns using different Fixed Orthodontic protocols on these simulators.
12. Implantology models – Post-graduating students from the department of Prosthodontics, Periodontics & Oral Surgery learn & practice implant handling techniques and different suturing techniques on dental models before they take up clinical cases.
13. IV Injection practice mannequin – All BDS students learn and practice IV Injection technique on these models during their Internship.



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