



D Y PATIL DENTAL SCHOOL

Dr. D Y Patil Knowledge City, Charholi Bk, Via Lohegaon, Pune 412105

Affiliated to Maharashtra University of Health Sciences, Nashik

Recognized by Dental Council of India



SELF STUDY REPORT (CYCLE 1) 2018-2023

Criteria 4: Infrastructure and Learning Resources

Key Indicator: 4.2 Clinical, Equipment and Laboratory

Metric: 4.2.3: Average number of students per year exposed to learning resource such as Laboratories, Animal House & Herbal Garden (in house OR hired) during the last five years

Details of laboratories

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DETAILS OF LABORATORIES

Human anatomy, osteology and cadaver lab: this lab helps students in Spotting and identifying human anatomical structures and specimens. It also enables the study of human skeleton & osteology with muscle attachments along with learning the position of important nerves, blood vessels and other structures of the head and neck region.

Histology Laboratory: this lab enables the Study of the tissues under microscope using different staining techniques along with the study of Embryology.

Physiology Laboratory: enables the students to measure physiological parameters like heart rate, respiratory rate, various blood parameters and observe and analyze physiological processes.

Biochemistry Laboratory: students conduct various biochemical tests through hands-on experiments to analyze organic and inorganic constituents of the body including proteins, nucleic acids, carbohydrates etc.

Pharmacology Laboratory: it is centered on the study of drugs and their effects on the human body. Students are involved in the preparation of tooth paste, tooth powder, writing of prescriptions.

Microbiology laboratory: here students learn about various types of microscopes, staining techniques, culture media to facilitate study of microorganisms.

General Pathology lab: this lab enables students to learn about various pathological tests including urine, hematocrit, along with learning about abnormal constituents.

Dental anatomy, embryology and oral histology practical lab: here students perform Drawing and wax carving of permanent tooth along with Microscopic study of tooth germ, enamel, dentin, pulp, periodontal ligament, alveolar bone, salivary gland, oral mucosa including papillae and taste bud.

Oral Pathology and Microbiology lab: here students learn about Microscopic examination of ground and stained sections of histological specimens of oral diseases.

Dental materials lab: students learn about the properties and use of various dental materials like gypsum, self cure and heat cure acrylic resin, various cements, silver amalgam.

Pre-clinical Prosthodontics lab: here student prepare and learn occlusion rims Orientation of occlusion rims on articulator Arrangement of teeth, processing of complete dentures.

Crown and bridge lab: students learn tooth preparation for fixed prosthesis

Pre-clinical conservative phantom head lab: students learn Cavity preparation, Restoration of tooth, Base and matrix band application, Class I amalgam restoration, Class II amalgam restoration, Inlay cavity preparation wax pattern on extracted and ivorine teeth

Conservative and Endodontics lab: students perform class I, II, III, IV restorations in amalgam on patients and learn about access opening and BMP on extracted teeth.

Orthodontics preclinical lab: here students learn about Wire bending exercises and Model analysis.

Pedodontics preclinical lab: students learn Access opening, cleaning and shaping and obturation on deciduous and permanent extracted teeth.

Oral and maxillofacial surgery: students are taught Wiring and Suturing techniques, Infiltration and block techniques on skull and Use of forceps and elevators on skull.

Periodontics preclinical lab: students are taught various suturing techniques useful in periodontal surgeries



Dr Anand Shigli

Dean

DYPDS

LIST OF TREES/PLANTS IN HERBAL GARDEN

Sr no	Name of tree
1	Gulvel
2	Nirbramhi
3	Stiviya
4	Nagarmotha
5	Mint
6	Rosemero
7	Bumani
8	Alovera
9	Tyaim
10	Besola
11	Wala
12	Panfuti
13	Lemongrass
14	Kosth
15	Hadaga
16	Kaduneem
17	Kadu kavath
18	Rovida
19	Jambhul
20	Karvanda
21	Hirada
22	Rakt rohida
23	Tea
24	Behada
25	Avala
26	Dalchini
27	Rui
28	Noni
29	Sagar gota
30	Hivar
31	Devayabhul
32	Ashvagandha
33	lavhala
34	Tulas
35	Kardal
36	Nirgudi
37	Manjista



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