


4.2.3 (1) Details of learning resources and Report about activities.

The admission process is made as per the rules of the affiliating university and the guide lines from the State government and DCI. The institution organizes orientation/induction program for the newly admitted students by introducing institute, faculty and discusses about curriculum, exam evaluation, academic calendar, anti-ragging policy, women 's rights, dental ethics, social responsibility, national integration etc. The teaching-learning and evaluation schedules are planned according to the guidelines laid down by its affiliated University and DCI. It has a structured mechanism for its teaching learning process, and provides course objectives, outlines and schedules at the commencement of each academic session.

Various steps are taken by the institute to update conventional/traditional classroom into an e-learning environment. This is achieved by regularly organizing webinars, journal clubs etc. and encouraging them to utilize e-learning resources by providing Wi-Fi facility, **ICT enabled e-classroom**. The evaluation system is based strictly as per the statutory guidelines. The institution regularly plans and facilitates its faculty to meet the changing requirements of the curriculum by facilitating academic leave and financial assistance for attending **various conferences/CDE programs /conventions /workshops**. Faculty are encouraged to prepare computer aided teaching learning materials and utilize **reflective learning, simulations, evidence-based dentistry, problem-based learning** etc. like innovations in their teaching learning processes, as well as in clinical setting.

The College provides infrastructure that gives the students excellent learning opportunity as it is critically related to the vision of our college. All the departments are fully equipped with **ICT enabled seminars halls**, fully furnished laboratories with specialized equipment & materials/reagents, state of art library with e-resource materials, Examination Halls etc. The Departments are spacious and are equipped in accordance with the regulations by Dental council of India. The Lecture Halls are air conditioned and spacious, augmented with Integrated Audio-Visual teaching aids. There are specially designed Preclinical labs tendered to facilitate the best learning experience for the students. They are equipped with patient simulators in Prosthodontic and Conservative dentistry departments which help the undergraduate students to have hands-on experience of various dental procedures prior to their clinical postings. dental chairs are installed in the institute & one fully equipped Mobile Dental Clinic & ambulance. Museum is present for the students to have knowledge of various subjects that they must cover during the BDS course. The museum is upgraded time to time.


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Digital dental radiography with both intraoral and extraoral techniques like IOPA, OPG, CBCT facilitates quality student learning. Central library has a separate section for international and speciality driven journals with catalogue. Library is integrated with browsing room to facilitate E-learning. Pharmacy shop is situated within the college premises. The Institute follows Good Clinical Practice Guidelines as per ICH-GCP, and has an efficient and effective system for disposal of biohazardous waste.

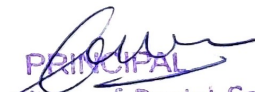
List of available teaching-learning facilities such as Class rooms, Laboratories, ICT enabled facilities	
1.	17 classrooms with ICT Wi-Fi facilities
2.	8 Seminar rooms with LCD projector & screen
3.	Anatomy dissection lab, Biochemistry, physiology labs
4.	Pathology, microbiology, Pharmacology labs
5.	Oral pathology lab with monocular microscopes (UG), Pentahead microscope (PG), ELISA, Incubator, cell counter. Smartboard
6.	Preclinical lab, Phantom head labs,
7.	Clinical labs,
8.	CBCT, X ray facilities
9.	Sterio-microscope
10.	Endo-microscopes

Details of Laboratories in Lenora Dental College:

Lenora Dental College has contemporary laboratories where students can observe, learn and practice various simulation activities. Students can apply the theoretical concepts in the laboratories and learn aspects step by step.

Pre-Clinical Facilities Include:

1. The phantom head lab in conservative dentistry trains the second year students on cavity preparation and restoration on dummy models before the clinical work on patients.


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2. The Preclinical lab of Prosthodontics trains the first and second year students on making RPD and CD before they do it on patients.
3. Pre clinical Phantom lab of Prosthodontics trains final year students on crown preparation.
4. Department of Oral & Maxillo-facial surgery trains the clinical students on suturing and wiring on dummy models.
5. Department of Periodontia trains the students on dummy models to get a feel of grips and rests before doing scaling on patients.
6. Department of Pedodontia trains students for space maintainers and regainers on dummy models.
7. Department of Orthodontia prepares the students for clinical work by pre-clinical exercises of wire bending and making appliances.
8. Basic Life Support courses are conducted for the third-year students and certified by professional organizations and they work on mannequins in Medical College for reinforcing their knowledge.
9. Practical Laboratories are available in all basic medical science departments to create a platform for understanding the basic concepts of subjects like Anatomy, Physiology, Biochemistry, pharmacology, pathology and Microbiology.

Clinical Departments along with respective labs:

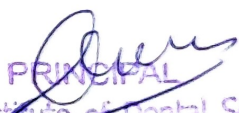
There are 9 fully equipped clinical departments for the smooth functioning of the college.

1. Department of oral medicine and radiology for screening and diagnosis of patients with digital x-ray lab.
2. The oral Pathology lab has a state of the art research Microscope, and Automatic Microtome along with haematology lab for routine blood tests.

Along with above departments all other departments help in treating patients in their respective specializations.

HERBAL GARDEN:

The students are exposed to various medicinal plants at the herbal garden for various research activities in Lenora Dental college. Undergraduate students learn the benefits and uses various species of plants grown in the garden. The students were enriched with a hands on experience about the medicinal value of plants including growing and extracting the medicinal ingredients from these medicinal plants.



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DETAILED REPORT OF ACTIVITIES OF LABORATORY RESOURCES

Our institute has laboratories where students can observe, learn, and practice various simulation and mock activities. This exposure to hands-on- practical training helps develop their practical competence in various fields of dentistry and allied sciences.

FIRST-YEAR BDS:


Sl.No	NAME OF LABORATORY	ACTIVITIES
1.	PHYSIOLOGY LAB	<ul style="list-style-type: none">• Undergraduate students utilize the sphygmomanometer apparatus for measuring blood pressure.• The students also use the hemoglobinometer for the estimation of hemoglobin levels in the blood and the compound microscope for analysis of peripheral smear and total count.
2.	BIOCHEMISTRY LAB	<ul style="list-style-type: none">• Analysis of serum and urine glucose, albumin, ketone bodies, bile salts, and pigments are done using test tubes and pipettes.
3.	HUMAN ANATOMY AND EMBRYOLOGY LAB	<ul style="list-style-type: none">• Section of fixed normal human tissues is studied using a compound microscope.• Anatomy laboratory provides cadavers for dissections.• Human organs and specimens are kept for identification and detailed studying
4.	PRECLINICAL CONSERVATIVE & ENDODONTICS LAB	<ul style="list-style-type: none">• Students are trained to perform cavity preparations on plaster models and extracted teeth.


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		<ul style="list-style-type: none"> • Students are trained for cavity designs and restoration for silver amalgams and cast restoration. • The students learn to identify dental material and study materials in detail, demonstration of manipulation, dental cement, and silver amalgam is given. • The exercises are planned so that the students are trained for material manipulation. • The preclinical phantom lab has head tables with mannequins in Conservative dentistry departments to enable undergraduate students to have skilled preclinical learning.
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THIRD-YEAR BDS:


Sl.No	NAME OF LABORATORY	ACTIVITIES
1.	ORTHODONTICS LAB	<ul style="list-style-type: none"> • Students are trained for various wire bending exercises and demonstrative for fabrication of orthodontic appliances
2.	ORAL PATHOLOGY AND MICROBIOLOGY LAB	<ul style="list-style-type: none"> • The Department of Oral and Maxillofacial Pathology supports nine clinical specialties of dentistry by providing clinical and histopathological diagnosis. A fully equipped histopathology lab, hematology lab, and immunohistochemistry lab cater to patients, care, and research purposes. Undergraduates Undergo discussion of primary and permanent dentition casts and models, microscopic


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	examination, and ground sectioning.
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POSTGRADUATE STUDENTS:

Sl.No	NAME OF LABORATORY	ACTIVITIES
1.	CLINICAL DEPARTMENT LABS	<ul style="list-style-type: none"> • Preclinical exercises are performed with various state-of-the-art equipment within laboratories in the departments, enhancing psychomotor skills. • Various preclinical skill enrichment measures like inlay/onlay preparation, tooth sectioning, endodontic exercises on anterior and posterior teeth, preparation of immediate dentures and overdentures, and casting of partial dentures. fabrication of functional appliances, simulation of incisions, and suturing on typodont models are undertaken. • Students visit external laboratories in the fields of biochemistry, pathology microbiology pharmacology, Forensic Medicine, etc to hone their skills in laboratory procedures to assist their research endeavors. • The postgraduates are trained to handle advanced equipment in making ceramic restorations, and cast metals for making prostheses.
2.	SKILL LABS	<ul style="list-style-type: none"> • Skill labs associated with Lenora Dental College are well-equipped with CPR mannequins and are available for Basic Life Support (BLS) training. • Demonstration of choking and resuscitation on infant mannequins. Also, Venipuncture required during emergencies in the dental clinic also demonstrated.


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DATE: 17/01/2022

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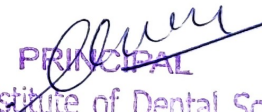
This is to inform all the faculty and MDS Students to attend the Herbal Garden program on 19/01/2022 at Lenora Dental College. All the faculty and students are requested to attend the program.

IQAC Chair Person

Copy to:

The principal – Lenora Dental College

All the departments.


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HERBAL GARDEN ACTIVITY REPORT

Date: 19/01/2022

Time: 11:30 am-1:30 pm

Location: Lenora Institute of Dental Sciences

Audience: postgraduates, undergraduates, and staff

Co-ordinator:

Dr. K. Sridevi, Professor & HOD

Department of Oral Medicine and Radiology.

Description of course:

Herbal Garden was established to teach students about the evaluation and extraction of drugs obtained from plant sources. There are many advantages to the establishment of an herbal garden such as it is a ready fresh natural resource available for ingredients medicinally.

Herbal gardens are a precious source of raw material for medicinal remedies used in primary health care. The herbal garden generally consists of all the herbs which have medicinal and aromatic properties. Due to increasing demand for herbal products to cure different diseases medicinal and aromatic plants are becoming increasingly economically important.


The postgraduate and undergraduate students of Lenora Dental College were shown the various plants in the herbal garden. The students were explained about the benefits of plant extracts and the uses of the various species of plants grown in the garden. The students were explained on the use of secondary metabolites of plants used for therapeutic purposes. This alternative medicine uses herbs to provide the least side effects and high efficiency and hence is used for the improvement of oral health and dental hygiene.

The students were explained about the benefits of plant extracts and the uses of the various species of plants grown in the garden. The students have explained the use of secondary metabolites of plants for therapeutic purposes. This alternative medicine uses herbs to

provide the least side effects and high efficiency and hence is used for the improvement of oral health and dental hygiene.

Attendance: 101

Conclusion: The program gave an understanding of herbs application in primary health care related to dentistry


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TRAINING FOR RESEARCH FACILITIES ACTIVITY REPORT 2021-2022

Date: 09-12-2021 to 16-12-2021

Name of the activity: Training for Research Facilities

Institution: Lenora Institute of Dental Sciences

Resource Person: Dr. K. Sridevi

Faculty Involved: Dr. B. Krishnaveni, Dr. Prasanth


Content Delivered: The importance and opportunities of research in dental education for improved patient care

Audience: Faculties, PG students, and interns

Description: The session started with a welcome note from a committee member, followed by an introduction to Training for research facilities. The guest speaker Dr. K. Sridevi described the Lenora Institute of Dental Sciences and the availability of instruments and equipments. He stressed the importance of research policy and the ethics committee which will help with the ongoing research initiatives. These initiatives combined with the broad advances in the biomedical sciences will add further achievements in the near future. The session was concluded with the rendering of valuable insights by the guest speaker to passionate queries by the audience.

Attendance in headcount: 100

Conclusion: The event ended with a memento presentation to Dr. K. Sridevi by our respected committee chairperson and senior faculty members


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