

# **DENTAL COLLEGE & HOSPITAL**

Recognized by Govt. of India MH & FW. No: V.12017/5/2019-DE 14.03.2019, Affiliated to Dr.NTR UHS, Vijayawada

Pre-clinical skills are very important in the initial days of undergraduate and postgraduate program in utilizing the basic sciences knowledge acquired to interpret the clinical scenarios in the future and to perform better in managing them in every aspect. To enhance such basic preclinical skills, KIMS Dental College and Hospital is adhered to the DCI regulations in developing its own additional strategies.

## Dental Anatomy & Oral Histology Pre Clinical Lab:

This lab can accommodate 100 students of the 1<sup>st</sup> and 3<sup>rd</sup> BDS students. This lab trains students to carve the teeth on wax blocks which helps them to appreciate normal anatomy and morphology of the teeth. Microscopic examination of normal and pathological oral tissues will be shown along with ground sectionings.

Pre-Clinical training in attached Medical College

KIMS Dental College is attached to KIMS medical College for necessary training in the basic medical sciences subjects which have respective labs that can accommodate 100 students.

- 1. Dissection hall
- 2. General Histology Lab
- 3. Physiology Lab
- 4. Biochemistry Lab
- 5. Pharmacology Lab
- 6. Pathology Lab
- 7. Microbiology Lab

All these labs can accommodate 100 students each.

# **Pre-Clinical Conservative Dentistry Lab:**

It has 30 Phantom heads that can accommodate 30 students which helps to simulate the patient scenarios for pre-clinical training in Conservative Dentistry and Prosthodontics to practice different cavity preparations and restorations on both extracted teeth and typodonts. This also helps in Application of retainers and rubber dams for Crown and Bridge



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preparations. The advantage of this lab is to allow the undergraduate and postgraduates to practice and develop clinical expertise without any risk of patient harm.

#### **Pre-Clinical Prosthodontic Lab:**

This lab can accommodate 100 students at a time with all the necessary facilities. The 1st & 2nd BDS and post graduate students gain good knowledge about the various clinical and lab procedures in Prosthodontics like Impression making, Anatomical land marks on plaster models, Fabrication of special trays, Demonstration of occlusion and jaw relations, Teeth setting, Acrylization procedures

#### **Dental Materials Lab:**

A well-equipped dental materials lab is provided for accommodating 100 students at a time where they are trained in manipulating various dental materials, Cavity preparations and restoration on plaster models.

#### **Orthodontics Lab:**

To perform all basic wire bending exercises and learn the fabrication of various appliances like Hawley appliances, expansion appliances, springs etc.

# Post-graduate preclinical training as per DCI:

- Preclinical exercises are performed within laboratories in the departments, enhancing
  psychomotor skills. Various preclinical skill enrichment exercises like inlay/onlay
  preparation, tooth sectioning, endodontic exercises on anterior and posterior teeth,
  preparation of immediate dentures and overdentures, casting of partial dentures,
  fabrication of functional appliances, simulation of incisions and suturing on typodont
  models are undertaken.
- Students visit external laboratories in fields of biochemistry, pathology, microbiology, pharmacology Forensic Medicine etc. to hone their skills in laboratory procedures to assist their research endeavours
- These are documented in periodically assessed log books.



# DENTAL ANATOMY AND ORAL HISTOLOGY LAB

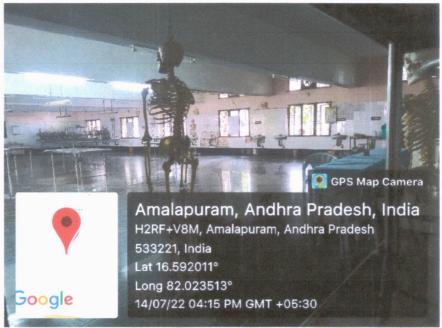




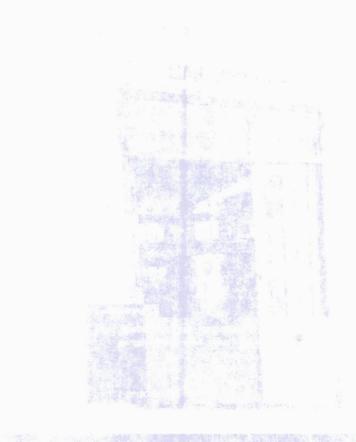
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## ANATOMY DISSECTION HALL

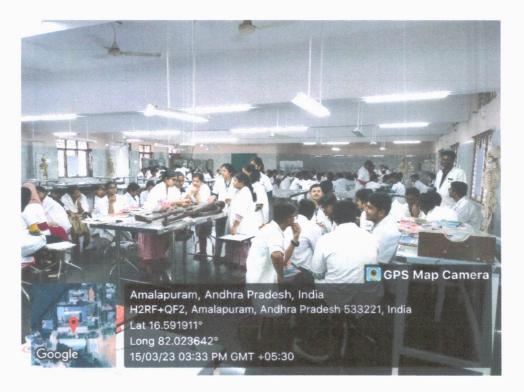




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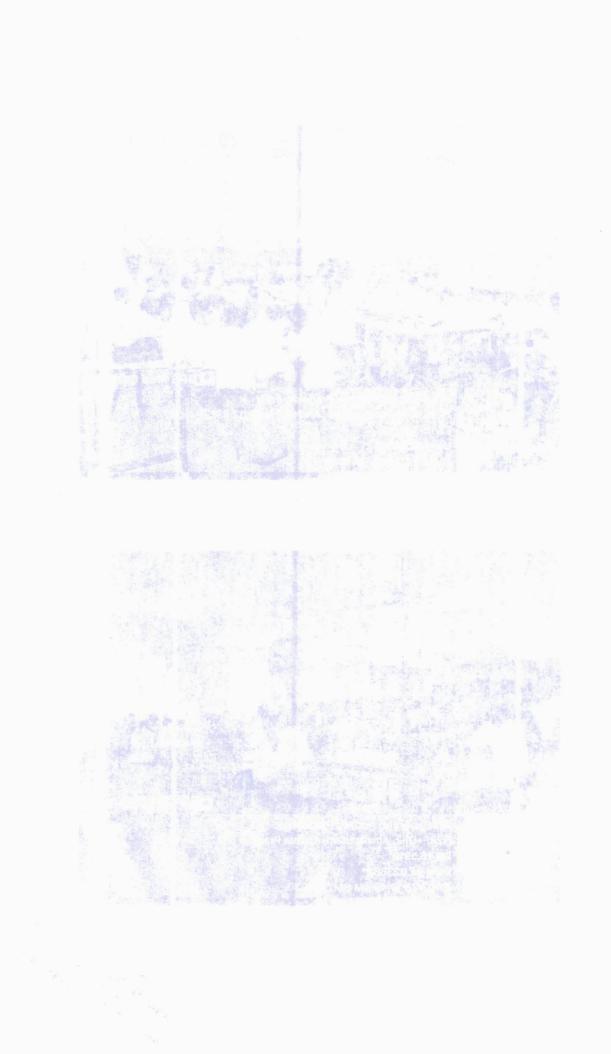




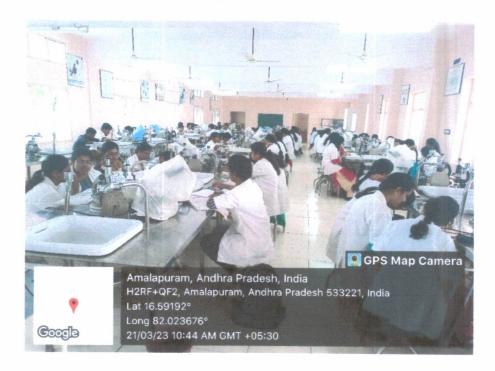


## **HISTOLOGY LAB**





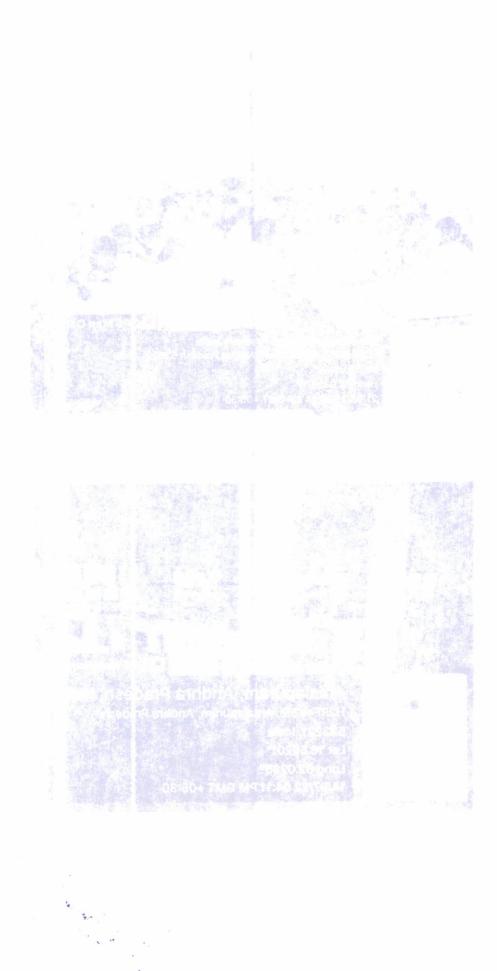
## PHYSIOLOGY LAB



# PHARMACOLOGY LAB



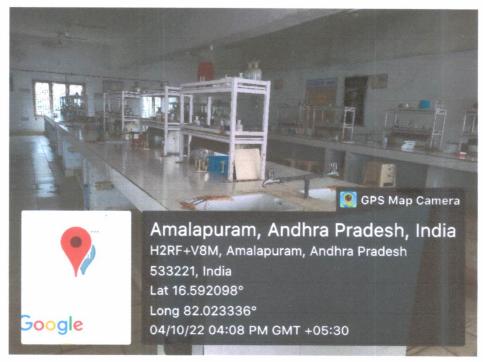
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## MICROBIOLOGY LAB

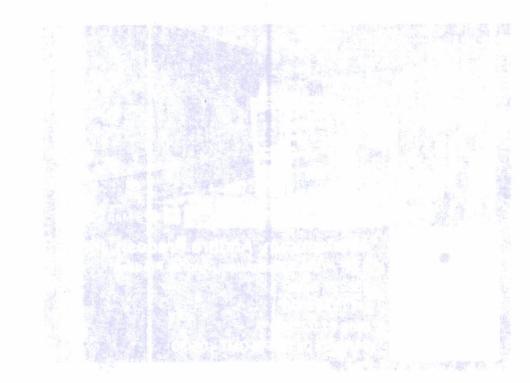


## **PATHOLOGY LAB**



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# PRE -CLINICAL CONSERVATIVE DENTISTRY



## PRE-CLINICAL PROSTHODONTICS



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