



Chettinad

Dental College & Research Institute

4.2.3 DETAILS OF LABORATORIES

LIST OF EQUIPMENTS AVAILABLE IN THE LABORATORIES

ORAL MEDICINE AND RADIOLOGY

1. Dental chairs
2. RVG with intra oral radiography machine (FDA Approved)
3. Extra oral radiography machine
4. Panoramic radiography machine with cephalometric & TMJ attachment with printer
5. Pulp tester
6. Pulp tester
7. Autoclave
8. Punch biopsy tool and biopsy equipment
9. Surgical trolley and Emergency medicines kit
10. Extra oral cassettes with intensifying screens (Conventional and rare earth)
11. Lead screens, Lead aprons and Lead gloves
12. Radiographic filters (Conventional and rare earth)
13. Dark room with safe light facility
14. Automatic radiographic film processors
15. Radiographic film storage lead containers
16. Thyroid collars
17. Digital sphygmomanometer
18. Digital blood glucose tester
19. Digital camera
20. X-ray viewer boxes
21. Illuminated mouth mirror and probe
22. Computer, LCD projector, Refrigerator

ORAL & MAXILLOFACIAL SURGERY

1. Dental Chairs and Units
2. Autoclave
3. Fumigators
4. Oscillating saw
5. Surgical instrument kit
6. Distraction osteogenesis kit
7. Piezoelectric unit
8. Magnifying loops
9. Dermatomes
10. Needle destroyer
11. Ultrasonic Cleaner capacity 3.5 lts
12. Formalin chamber
13. Pulse oxymeter
14. Ventilator



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15. Life support equipments
16. Fiber optic light
17. in-patient beds
18. Fiber optic laryngoscope
19. Computer, LCD projector and Refrigerator

ORAL AND MAXILLOFACIAL PATHOLOGY

DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY LABORATORY

1. Microscopes

ORAL PATHOLOGY FOR HISTOPATHOLOGY

1. Dental chairs
2. Surgical kit for biopsy and Biopsy processing equipment
3. Tissue embedding cassettes
4. Wax bath
5. Leuckhart pieces
6. Block holders
7. Microscopes
8. Microtome
9. Hot air oven
10. Hot water bath
11. Slide warming table and steel racks for staining
12. Computer, LCD, Refrigerator
13. Tissue processing unit

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

PRE CLINICAL PROSTHODONTIC AND CROWN & BRIDGE LABORATORY

1. Dry lab – Bunsen burner with gas and lathe
2. Wet lab – Acryliser or Dewaxing unit, model trimmer, lathe, vibrator

EQUIPMENTS IN THE DEPARTMENT INCLUDING CASTING AND CERMIC LABORATORY

1. Electrical Dental Chairs and Units
2. Articulators – semi adjustable/ adjustable with face bow
3. Micromotor
4. Ultrasonic scaler
5. Light cures
6. Hot air oven
7. Autoclave (front loading)
8. Surveyor
9. X-ray viewer
10. Pneumatic, Crown bridge remover



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11. Needle destroyer
12. Intraoral camera and digital SLR camera
13. Computer, LCD projector and Refrigerator
14. Plaster dispenser
15. Model trimmer with carborandum Disc
16. Model trimmer with diamond disc
17. High speed lathe
18. Vibrator
19. Acrylizer
20. Dewaxing unit
21. Hydraulic press
22. Mechanical press
23. Vacuum mixing machine
24. Micro motor lab type
25. Curing pressure pot
26. Pressure molding machine
27. Chrome-cobalt lab equipment
28. Ceramic lab equipment
29. Implant equipment

DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

1. Dental chair and units
2. Extraction forceps, pliers
3. Radiovisiography (RVG)
4. Apex Locator
5. Digital Pulp Tester
6. Autoclave
7. Ultrasonic cleaner
8. Needle destroyer
9. Formalin chamber
10. X-ray viewer
11. Amalgamator
12. Rubber dam kit pedo
13. Typhodonts
14. Endomotor
15. Magnifying loupes
16. Conscious sedation unit
17. Pulse oximeter
18. phantom head table with attached light, airotor and micromotor
19. Injectable gutta percha
20. Endodontic pressure syringe
21. Glass bead sterilizer
22. Intraoral camera



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23. Automatic developer
24. Computer, LCD projector and refrigerator
25. Plaster dispenser
26. Model trimmer with diamond disc and carborundum disc
27. Spot Welder with soldering attachments
28. Soldering unit
29. Vibrator
30. Acryliser
31. Lab micromotor
32. Dental lathe
33. Model trimmer
34. Steam cleaner
35. Pressure moulding machine
36. Carborundum disc and diamond disc

DEPARTMENT OF CONSERVATIVE DENTISTRY & ENDODONTICS

PRE CLINICAL CONSERVATIVE DENTISTRY LABORATORY

1. The preclinical phantom lab is equipped with 110 phantom models with arotor and micromotor facilities.

EQUIPMENTS IN THE DEPARTMENT INCLUDING CASTING AND CERMIC LABORATORY

1. Dental Chairs and Units
2. Endodontic handpieces – Micro endosonic Tips, retro treatment
3. Mechanized rotary instruments including hand pieces (speed and torque control) and hand instruments various systems
4. Rubber dam kit
5. Autoclaves for bulk instrument sterilization vacuum (Front loading)
6. Autoclaves for hand piece sterilization
7. Apex locators
8. Pulp tester
9. Multiple Sets of hand cutting instruments
10. Sterilizer trays for autoclave
11. Ultrasonic cleaner capacity 3.5 lts
12. Variable Intensity polymerization equipments - VLC units
13. Conventional VLC units
14. Needle destroyer
15. Magnifying loupes
16. LCD projector
17. Composite kits with different shades and polishing kits
18. Amalgam finishing kits
19. RVG with x-ray machine developing kit
20. Chair side micro abrasion
21. Bleaching unit



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24. Lathe

25. Anatomical articulator, Free Plane Articulators, Hinge Articulators

DEPARTMENT OF PERIODONTICS

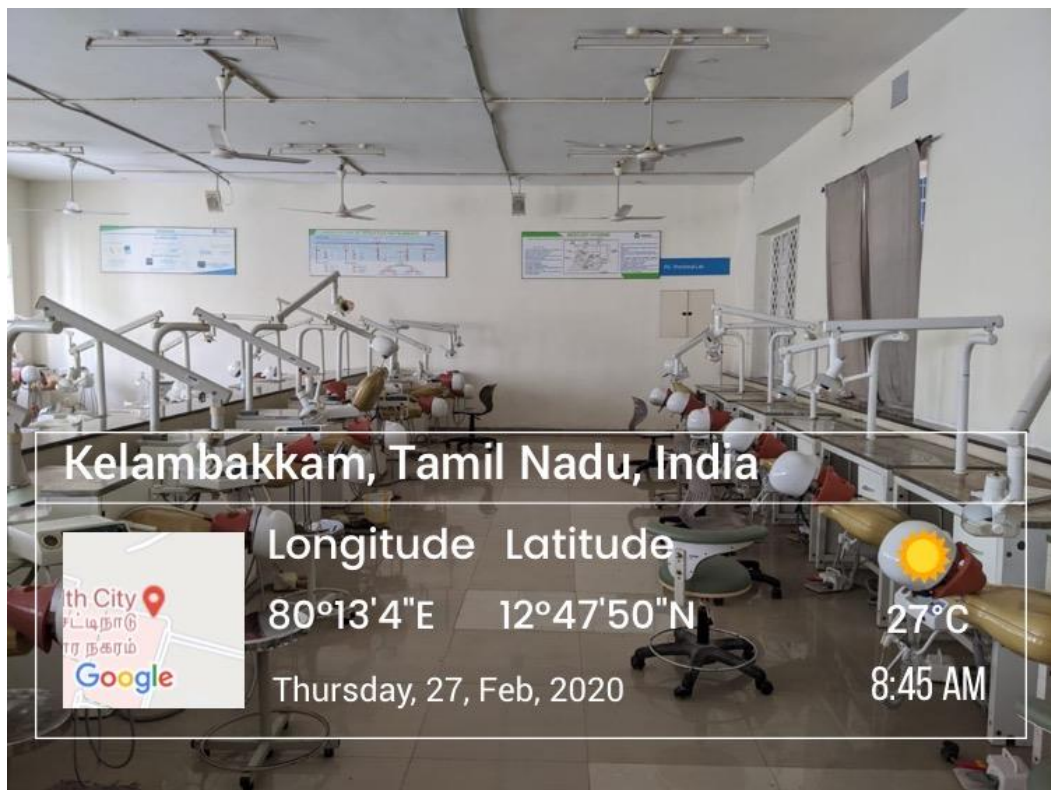
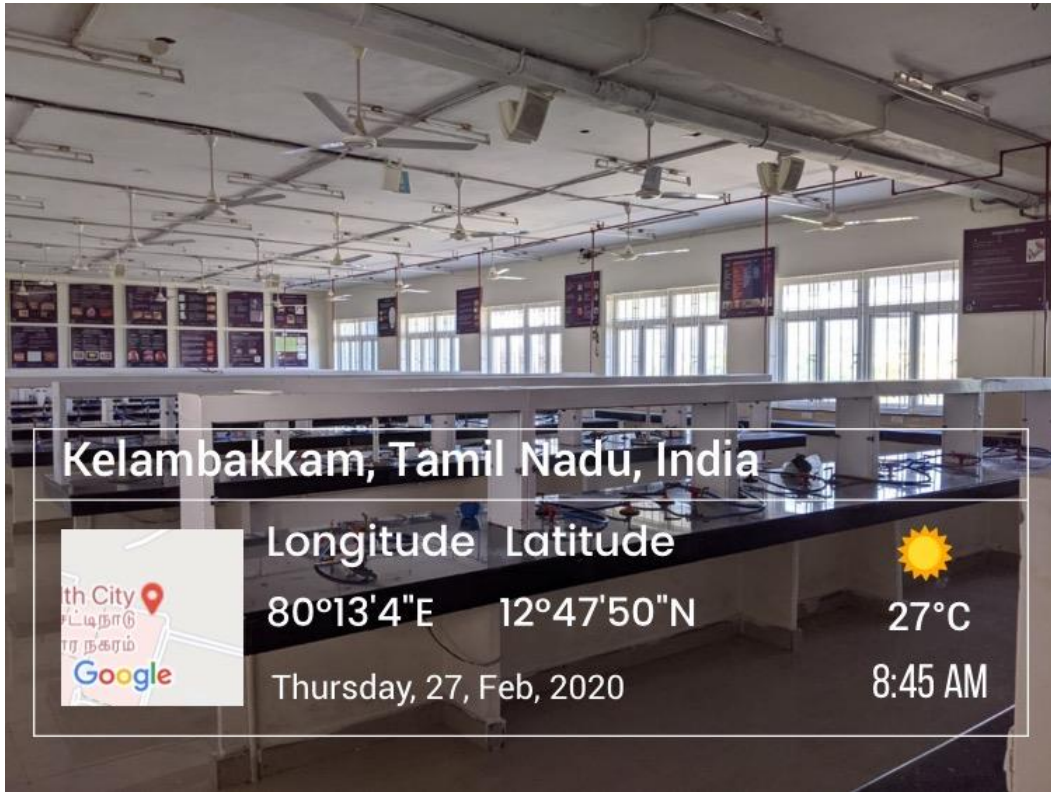
1. Dental Chairs and Units
2. AutoClave
3. Steel bin
4. UV chamber
5. Formalin chamber
6. WHO Probe, Nabers Probe, Williams Probe, Newman's Probe, GoldmanFoxProbe, Marquis color coded Probe, pressure sensitive probe
7. Supragingival scalers and Subgingival scalers
8. Arkansas stone
9. Surgical Instrument kit – Electrosurgery unit and laser
10. Special Surgical Instruments
11. Surgery Trolleys
12. Implant instruments



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LABORATORIES





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Kelambakkam, Tamil Nadu, India



Longitude Latitude

80°12'57"E 12°47'45"N

Thursday, 27, Feb, 2020



28°C

9:36 AM



Kelambakkam, Tamil Nadu, India



Longitude Latitude

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