



GOVERNMENT DENTAL COLLEGE AND  
HOSPITAL, AHMEDABAD.



**Date: 09-08-2022**

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Government Dental College and Hospital, Ahmedabad has established **Clinical Skill laboratories/ Basic Patient Simulators for Simulation based trainings**, required as per mandatory syllabus given by **Dental Council of India** rules and regulations, for which DCI Regulatory Inspection has also been cleared.

The Clinical Laboratories are functional as per following details:

- General Anatomy Laboratory, Physiology Laboratory, Pharmacology Laboratory : Since 1963 and renovated in 2001
- Conservative dentistry and Endodontics Pre Clinical Laboratory with Phantom Head Simulators: since 1963 Renovated: Since 2014
- Prosthetic Dentistry Crown and Bridge Pre Clinical Laboratory with Plaster room: Since 1963, renovated in 2014
- Oral Pathology Histopathology and Microbiology Laboratory: Since 1963 Renovated and Up graded: 2013
- General Pathology Laboratory: Since 1984, Renovated and Up graded: 2022
- Clinical Departments: Since 1963, Extended in 2005, Shifted in new building (G+7) in 2018
- Ceramic laboratory: Since 2000 renovated in 2018
- Casting laboratory , Finishing Polishing room: Since 1965 renovated in 2018
- Dental Radiology Clinic with IOPA machine, since 1963, OPG machine in 2002 Renovated and upgraded in the 2014, upgraded to include CBCT in October 2020.
- Special Clinics
  - Geriatric Clinic: Since 2016



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- Implant Clinic: Since 2017
- Esthetic Clinic : Since 2017
- Tobacco cessation Clinic: 2018 Renovated 2022
- Comprehensive Clinic: Since Dec 2018
- Special Health Care Needs Clinic Since 2018

As a part of improvement of Clinical skills, Faculty Training Programs are conducted for advanced equipments to ensure up gradation in Clinical Skills of Faculty as well as students.

  
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**Proof of Establishment of Clinical Skill Laboratories**

**LIST OF EQUIPMENTS**

**DEPARTMENT OF ORAL MEDICINE & RADIOLOGY**

NAME	SPECIFICATION	QTY.	Availability
Dental Chairs and Units	Electrically operated with shadow-less lamp, spittoon, 3 way syringe, instrument tray and suction	One chair & unit per PG student and Two chairs & unit for Faculty	29
Intra Oral Radiography Machine			04
Panoramic Radiography (OPG) Machine with			02
Intra-Oral Camera			01
Pulp Tester			05
Autoclave			04
Punch Biopsy Tool			04
Biopsy Equipment			05
Surgical Trolley			04
Emergency Medicines Kit			01
Extra Oral Cassettes with Intensifying Screens (Conventional & Rare Earth)			04
Lead Screens			04
Lead Aprons			06
Lead Gloves			03
Dark Room with Safe light facility			01
Radiographic Film storage Lead Containers			01

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Distraction osteogenesis kit (desirable)			1
Operating microscope and Microsurgery kit (desirable)			01 (SHARED WITH D.OF CONS. DENT.)
Dermatomes			Nil
Formalin chamber			1
Pulse oxymeter			2
Ventilator			1
Major operation theatre with all facilities			1
Recovery I.C.U. with all necessary life support equipments		2 beds	02 Beds
Fiber optic light			2
Inpatient beds		20	20 +02 in Dental recovery room
Fiber optic laryngoscope			2
Cautery Shalya			2
Computer with Internet Connection with attached Printer & Scanner			1

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X-ray Viewer boxes			07
Computer with Internet Connection with attached Printer & Scanner			06
Illuminated Mouth Mirror & Probe			01

**DEPARTMENT: ORAL AND MAXILLOFACIAL SURGERY**

NAME	SPECIFICATION	QTY.	Availability
Dental chairs and units	Electrically operated with shadowless lamp, spittoon, instrument tray and high vacuum suction, micromotor /Air motor	One chair & unit per PG student and Two chairs & unit for Faculty	PG: 09 STAFF: 04 UG:30
Autoclave	Front loading		03
Fumigators			02
Oscillating saw	With all hand pieces		03
<i>Surgical instruments</i>			1
A. General surgery kit			5
B. Tracheotomy kit (with set of disposable tubes consisting of six)			1
C. Minor oral surgery kit			5
D. Osteotomy kit			2
E. Cleft surgery kit			3
F. Bone grafting kit			Nil
G. Emergency kit			2
H. Trauma set including bone plating kit			4
I. Implantology kit (standard/imported ISI approved)			03(SHARED WITH IMPLANTOL OGY SECT.)

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**DEPARTMENT OF PERIODONTOLOGY**

<b>SR.NO.</b>	<b>NAME OF THE EQUIPMENTS</b>	<b>QUANTITY HELD</b>
1	DENTAL CHAIR WITH UNIT	29
2	REVOLVING STEEL STOOL	19
3	WOODEN STOOL	22
4	ULTRASONIC SCALERS UNIT	16
5	HUFRIEDY SCALERS SETS	2
6	PERIOSTEAL ELEVATORS	17
7	POCKET MARKING PROBE	20
8	BONE FILE	16
9	ORBAN KNIFE	03



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10	MERRIFIELD KNIFE	06
11	FISCH KNIFE	40
12	GUM LANCET	16
13	AUTO CLAVE	03
14	ULTRASONIC CLEANER	02
15	FORMALIN CHAMBERS	02
16	UV CHAMBERS	02
17	HOT AIR OVEN	0
18	CENTRALIZED COMPRESSOR	01
19	SUCTION	12
20	INTRAORAL CAMERA	00
21	LIGHT CURE UNIT	01
22	ELECTROCAUTERY	01
23	IMPLANT KIT	0
24	BONE MICROSAW WITH HANDPIECE	0
25	DENTAL SURGICAL TROLLEY	10
26	OXYGEN TROLLEY WITH CYLINDER	01
27	SINUS LIFT INSTRUMENT SET	01
28	MICROSURGERY LOUPES	04



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29	COMPUTER WITH PRINTER AND SCANNER	05
30	REFRIGERATOR	01
31	STRETCHER AND WHEEL CHAIR	01

**DEPARTMENT OF ORTHODONTICS AND  
DENTOFACIAL ORTHOPEDICS**

**EQUIPMENTS: (POSTGRADUATE)**

NAME	SPECIFIC ATION	QTY.	Availability
Dental Chairs and Unit	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and suction	One chair & unit per PG student and Two chairs & unit for Faculty	14
Vacuum/Pressure Moulding Unit		1	0
Soldering torches		1	1
Lab Micromotor		5	6



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Spot Welders		5	5
Model Trimmer(Double Disc)		3	2
Light Curing Unit		2	3
Polishing Lathes		3	2
Tracing Tables		5	0
Digital Camera		1	1
Computers with all accessories and software for orthodontic image manipulation		1	7
Scanner with transparency adapter		1	0
X-ray Veiwier		1	2
O.H.P.		4	0
LCD Projector		0	1
Autoclave – microprocessor based, Wet & Dry. High & Low Cycle		1	2
Vacuum mixer		0	0
Vibrators		0	0
Plaster dispensers		0	0
Dry Heat Sterilizer		1	1
Ultrasonic Scaler		1	0
Sets of Orthodontic Pliers		3	6
Orthodontic Impression trays		5	4
Ultrasonic tray cleaner		1	3
Typodonts with full teeth set		3	4



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Anatomical Articulator with face bow attachments		1	1
Three Plane Articulators		0	0
Hinge Articulators		4	5
Hydro soldering Unit		0	1
Electro polisher		1	1

*Note : These requirements are in addition to requirement for BDS Course.*

**EQUIPMENTS: (UNDERGRADUATE)**

NAME	SPECIFICATION	Required As per DCI	Availability
Dental Chairs and Unit	As per specification	18	14
Unit mount scaler		5	-
Autoclave	Having wet and dry cycle, which can achieve 135 C with minimum capacity of 20 liters	2	2
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	3
<b>ORTHO LAB</b>			
Plaster dispenser	One each for plaster and stone plaster	2	0
Vibrator		2	0





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Model Trimmer		2	2
Micro motor	Heavy duty	4	6
Lathe		1	2
X-ray viewers		2	2
OPG with cephalostat	If available in radiology its is adequate.		<b>Available in ODMR Dept.</b>
Welders		4	5
Blue Torch		1	0
Base formers		4	2 Pairs
Typodont		4	4
Set of Pliers		10	5
Welder with soldering attachments		1	2
Hydro solder		1	1
Typhodont articulator	With metal teeth and wax rim of Class I,II,III	4	4
Pressure moulding machine		1	0



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**DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE**

<b>NAME</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>AVAILABLE</b>	<b>Use Regular/ Rarely</b>
Electrical Dental chairs units	With shadow less lamp, spittoon, three way syringe, Instrument tray and suction, micro motor, air rotor	One chair and unit per PG student and Two chairs and unit for faculty	21	Regular
Articulator – Semi adjustable	With face bow	06	12	Regular
Air rotor and Air motor hand piece		06	21	Regular
Micro motor –(Lab type)		02	18	Regular
Ultrasonic scaler		04	04	Regular
Light cure		02	07	Regular
Sterilization – Hot air oven		01	01	Regular
Autoclave		01	02	Regular
Surveyor		02	02	Regular
Refrigerator		01	02	Regular
Pneumatic crown remover		01	02	
Needle Destroyer		02	04	Regular



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<b>Clinical Lab for Prosthetics</b>				
Plaster dispenser		02	09	Regular
Model Trimmer with Carborandum Disc		01	05	Regular
Model Trimmer with Diamond Disc		01	02	Regular
Lathe		02	04	Regular
High speed lathe		02	02	Regular
Vibrator		01	06	Regular
Acrylizer		1	06 1 Not working	Regular
Dewaxing unit		01	01	Regular
Hydraulic press		01	04	Regular
Mechanical press		01	06	Regular
Vacuum mixing machine		01	03	Regular
Micro motor lab type		02	04	Regular
Curing pressure pot		01	01	Regular
Pressure molding machine		01	01	Regular
<b>Chrome-cobalt Lab equipment</b>				
Duplicator		01	02	Rarely
Pindex system		01	02	Regular
Burn out furnace		02	04	Regular
Welder		01	01	Rarely
Sand blaster (micro & macro)		02	05	Regular
Electro - Polisher			01	
Model Trimmer with Carborandum Disc		01	05	Regular
Model Trimmer with Diamond Disc		01	02	Regular
Model Trimmer with double disc One carborandum & One diamond disc		01	02	Regular
Casting machine Motor cast with the safety door closure Gas blow torch with		01	01	Regular



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regulator				
De waxing furnace		01	01	Regular
Induction casting machine with vacuum pump, Capable of casting titanium chrome cobalt precision metal		01	01	Regular
Programmable porcelain furnace with vacuum pump		01	01	Regular
Spot welder with soldering, attachment of cable		01	01	Regular
Steam cleaner		01	02	Regular
Spindle grinder 24000 RPM with vacuum suction		01	01	Regular
Wax heater		02	02	Regular
Wax carver		02	02	Regular
Milling machine		01	01	Regular
Stereo microscope		01	01	Regular
Magnifying work lamp		01	01	Regular
Heavy duty lathe with suction		01	02	Regular
Preheating furnace		01	02	
Dry model trimmer		01	01	Regular
Die cutting machine		02	03	Regular
Ultra sonic cleaner		01	03	Regular
Composite curing unit		01	02	Regular
<b>Ceramic Lab Equipment</b>				
Ceramic furnace		01	1 2 Not working	Regular
Ceramic kit (Instruments)		06	06	Regular
<b>Implant Equipments</b>				
Implant kit		02	02	Regular
Implants		25	25	Regular
Prosthetic		25	25	Regular



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components				
Unit mount light cure		02	02	Regular
X-ray viewer		02	02	Regular
Ultrasonic cleaner		01	01	Regular
Implant micro surveyor		01	01	Regular
Camera		01	01	Regular
Electrical dental chairs and units		02	02	Regular
Strengthen unit		01	01	
X-ray machine		01	01	Regular
Short cycle autoclave		01	02	
Refrigerator		01	01	
Surgical kit		02	02	Regular
Sinus lift instruments set		01	02	
Educating models			95	Regular

## **XII. MAJOR EQUIPMENTS**

### **DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE**

NAME	Specification	Quantity	
		Required	Available
Dental Chairs and Units	As per specification		21
Semi adjustable Articulators	With Face-bow	06	12
Extra oral /Intra oral tracer			
Dewaxing Unit		01	<b>01</b>
Curing unit			
Dental Casting machine		02(01 simple+01 induction)	02
Wax burnout furnace		01	01
Pre heating furnace		01	02
Surveying unit		02	02
Heavy Duty hand piece	Lab micro motors	02	18
Autoclave	Having wet and dry	01	02



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	cycle, which can achieve 135°c with minimum capacity of 20 liters		
Needle Burner with syringe cutter			02
Plaster Dispenser	One each for plaster and stone plaster	02	09
Model Trimmer with Carborandum Disc		01	05
Model Trimmer with Diamond Disc		01	02
Acrylizer		01	06
Lathe		02	04
Flask Press		01 hydraulic 01 mechanical press	04 hydraulic 6 mechanical
Deflasking unit			
Dewaxing Unit		01	01
Hydraulic Press		01	04
Mechanical Press		01	06
Vacuum Mixing machine		01	03
Lab Micro motor	With heavy duty hand piece	02	18
Curing pressure pot		01	01
Porcelain furnace		01	01
Vibrator		01	06
Sandblasting unit		02	05
Ultrasonic scaler		04	04
Model trimmer		03	09
Hot water sterilizer		05	07
Geyser			
H.P.. GRINDER WITH SUCTION			
Heavy duty lathe		02	10
Phntom heads			
Preclinical working tables			02





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**DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS**

**EQUIPMENTS:- UG BDS**

Name	Specification	Quantity	
		Required	Available
Dental Chairs and Units	As per specification	34	34
Rubber dam kits		6	7
Restorative instruments kits		10	10
R.C.T. instrument kits		10	10
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	3	3
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket	2	2
Needle burner with syringe cutter		4	4
Amalgamator	With auto proportion, auto dispenser	3	1
Pulp Tester-Digital		4	15
Apex Locator		2	2
Glass bead sterilizers		6	6
Intra-oral X-ray Unit	Proper radiation safety	1	1
Automatic Developer		1	-
Radiovisiography	RVG with Computer	1	1
Endo motor	With torque control Hps	1	5
Bleaching unit		1	-



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Magnification loops		2	2
Injectable gutta percha		2	2
PHANTOM LAB UNIT	Phantom Table fitted with Halogen Operating Light Phantom Head body type neck joint for all the movement, TMJ movement. Modular with Air rotor, Micro motor with contra angle Hps, 3-way syringe, jaw with ivory teeth, preferably soft gingival, dental operator's stool <u>(not to use extracted or cadaver teeth)</u> .	60	56

**DEPARTMENTAL LABORATORY**

Plaster Dispenser	One each for plaster and stone plaster	2	2
Model Trimmer	Carborandum disc	1	1
	Diamond disc		-
Lathe	Heavy Duty	2	1
Lab Micromotor	With heavy duty handpiece	1	1
Ultrasonic cleaner	Minimum capacity 5 liters	3	8
Spindle Grinder		1	1
Vibrator		1	1
Burnout furnace		2	2
Porcelain furnace		1	1
Sandblasting Machine		1	1
Lab Airrotor		1	1
Pindex System		1	1
Circular saw		1	1
Vacuum mixer		1	
Pneumatic chisel		1	1
Casting machine	Motor cast/induction casting preferred	1	2 (1- Induction 1 -centrifugal)

**EQUIPMENTS:- PG**

Sr. No.	Name	Specification	Quantity	Availability
1.	Dental Chairs and Units	Electrically operated	One chair per post-	20



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		with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airtor attachment with hand pieces (Fibre optic) and scaller	graduate student and two for faculty per Unit		
			<b>Unit 1</b>	<b>Unit 2</b>	
2.	ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment			3	3
3.	Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems			6	9
4.	Rubber dam kit		1 per chair	1 per chair	20
5.	Autoclaves for bulk instrument sterilization vacuum (Front loading)			3	3
6.	Autoclaves for hand piece sterilization			1	2
7.	Apex locators			4	10
8.	Pulp tester			4	20
9.	Equipments for injectable thermoplasticized gutta percha			2	4
10.	Operating microscopes 3 step or 5 step magnification			1	2
11.	Surgical endo kits (Microsurgery)			2	2
12.	Set of hand cutting instruments			2	2
13.	Sterilizer trays for autoclave			4	23
14.	Ultrasonic cleaner capacity 3.5 lts			1	2
15.	Variable Intensity polymerization equipments - VLC units	Desirable		1	5
16.	Conventional VLC units			4	3
17.	Needle destroyer			2	3
18.	Magnifying loupes			2	6
19.	LCD projector			1	1
20.	Composite kits with different shades and polishing kits			4	10
21.	Ceramic finishing kits, metal finishing kits	In ceramic labs		3	3
22.	Amalgam finishing kits			3	4
23.	RVG with x-ray machine developing kit			1	1
24.	Chair side micro abrasion			1	-
25.	Bleaching unit			1	-



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26.	Instrument retrieval kits with Piezo Electric ultrasonic tips			1	3
27.	Computer with internet connection with attached printer and scanner			1	1
28.	Refrigerator			1	1
29.	Laser (preferably hard tissue)			1	-
30.	Face bow with semi adjustable articulator			2	-
31.	GP cutter			-	2
32.	Proffin system		Optional	-	-

**DEPARTMENT OF PAEDIATRIC AND PREVENTIVE DENTISTRY**

<i>NAME</i>	SPECIFICATION	QTY.
Dental Chairs and Units	Electrically operated, spittoon attachment, Halogen Light with 2 intensity, high power motorized evacuation system, Air rotor with miniature hand piece, Micro motor with miniature conrtriangle Hand piece, 3 way syringe, ultrasonic scaler with 3 tips, light cure unit LED based heat free, X-ray viewer, instrument tray, Dental Operator's stool with height adjustment (40% should pedo chair)	One chair & unit per PG student and Two chairs & unit for Faculty 28
Rubber Dam Kit		1 set per P.G. Student 10
Pedo extraction forceps		2 sets 100
Adult extraction forceps		2 sets 28
Amalgamator		1



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Endomotor		4
Injectable GP condensation		1
Pulp Tester		4
Apex Locator		1
SS crown kit		10
Poly carbonate / strip crown kit		6
Endodontic pressure syringe		-
X-ray Viewer		1
Hydro solder		1
Spot welder		2
Chemo mechanical caries removal system		-
Typhodont		1 set (Pedo + Permanent) per P.G. Student 9
Pliers		2 sets each
i) Band forming		
ii) Band pinching		
iii) Ball and socket (No. 112)		8
iv) Band removing		1
v) Proximal contouring (No. 114)		1
vi) Crimping plier		
Computer with internet, Scanner and Printer	Pentium IV	01 2 & 5
Sterilization		
i) Autoclave	Front loading	2
ii) Glass bead sterilizer		2
iii) Ultrasonic cleaner		3



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iv) Needle destroyer		2
v) Fomalin chamber		3
RVG		-
X-ray machine		3
Automatic developer		2
Conscious sedation unit	(Desirable)	1
Electronic anaesthesia		1
Pulse oxymeter		3
Emergency drugs tray		1
Magnifying loupes		4
Phantom table with phantom heads with attached light, airtor and micromotor		3
Plaster dispenser	1 for plaster and 1 for stone	2
Vibrator		23
Model trimmer	(double disc one diamond and one carborandum disc)	1
Lab micromotor		10
Acrylizer		1

**UG DEPARTMENT: PAEDIATRIC AND PREVENTIVE DENTISTRY**

Name	Specification	Quantity
		Required
Dental Chairs and Units	As per specification (Pedo chair preferred)	10
<b>Autoclaves</b>	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	1
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	3





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Needle Burner with syringe cutter		2
Amalgamator		1
Pulp Tester-Digital		3
Rubber dam kit for pedo		9
Apex locator		1
Endo motor	With torque control HPs	1
Injectable gutta percha with condensation		1
Radiovisiography	Digital intra X-ray system with pedo sensor and software	
Intra Oral Camera	With high resolution	1
Scaling instruments		8
Restorative instruments		10
Extraction forceps		50
Intra-oral X-ray		
Automatic Developer		2
Computer	Minimum Pentium IV	6
Plaster dispenser	One each for plaster and stone plaster	2
Model Trimmer	With diamond disc	2
Model Trimer	Double disc one diamond and one carborandum disc	1
Welder with soldering attachments		1
Vibrator		3
Lab micro motor	Heavy duty with Hps	3
Dental Lathe		1
Model Trimmer		1
Steam cleaner		1
Pressure moulding machine		1
Carborandum Disc		
Diamond disc		



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**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**

<b>NAME</b>	<b>SPECIFICATIONS</b>	<b>Required</b>	<b>Available</b>
Dental Chairs and Units	As per specification	16	0
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	2	2
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	2	0
Needle burner with syringe cutter		4	0
MOBILE CLINIC			
Mobile dental van	Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 people		
Dental chair with unit	Hydraulically operated with spittoon attachment, halogen light with 2 intensity, air ventury suction, airrotor, micromotor, 3 way-scaler and light cure, x-ray viewer, instrument tray, operating stool.		
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	1	2
Intraoral x-ray	Portable	1	0
Glass bead sterilizers		1	0
Compressor	1.25HP	1	1
Metal Cabinet	With wash basin	1	1
Portable dental chair	Suitcase unit with airrotor, micromotor, scaler and compressor 0.25HP	2	1
Stabilizer	4KV	1	1



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Generator	4KV	1	1
Water tank	400ltrs	1	1
Oxygen cylinder		1	0
Public address system		1	1
TV and video cassette player		1	0
Demonstration models		5	5

**DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY**

<b>ESSENTIAL EQUIPMENTS</b>			
<b>NAME</b>	<b>SPECIFICATION</b>	<b>QTY</b>	<b>Availability</b>
Dental Chair		1	Available
Automatic tissue processor		1	Available
Tissue capsules / Tissue embedding cassettes		50	Available
Paraffin wax bath (thermostatically controlled)		1	Available
Leuckhardt moulds		20 pairs	Available
Semi automatic microtome		1	Available
Tissue floatation water bath (thermostatically controlled)		1	Available
Hot plate		2	Available
Steel slide racks for staining		3	Available
Diamond glass marker		10	Available
Trinocular microscope with camera attachment & computer software		1	Available



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Binocular Compound Microscope		10	Available
Aluminum slide trays		3	Available
Wooden / Plastic slide boxes		413	Available
Slide storing cabinet		1 of 10,000 capacity	Available
Refrigerator		2	Available
Incubator		2	Available
Hot Air Oven		1	Available
Laboratory glassware		Required quantity	Available

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CLINICAL SKILL LAB AND SIMULATION BASED  
LEARNING FACILITIES

DEPARTMENT OF ORAL MEDICINE & RADIOLOGY

1. Audio-visual aids for patient education
2. Radiographic room
  - a. IOPA
  - b. OPG
  - c. CEPH
  - d. CBCT
3. Tobacco Cessation Clinic
4. Models
  - a. IOPA collection
  - b. Occlusal collection
  - c. OPG collection
  - d. Extra oral Radiographs collection
  - e. Rinn XCP
  - f. SNAP A Ray
  - g. TLD

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5. Posters

- a. Radiographs of temporomandibular joint
- b. Occlusal radiographic techniques
- c. Principles of radiographic interpretation
- d. Radiation protocols
- e. Anatomical landmarks- extraoral radiographic views
- f. Extraoral radiographic technique- lateral views
- g. Extraoral radiographic technique- anteroposterior views
- h. Parts of X-ray tube
- i. Intraoral radiographic techniques
- j. Principles of radiology techniques
- k. Orthopantomography
- l. Cone Beam Computed Tomography
- m. Dark room construction
- n. Diagnostic protocol (clinical and radiological) for post-COVID rhino-orbito-maxillary mucor-mycosis

  
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**DEPARTMENT OF CONSERVATIVE DENTISTRY & ENDODONTICS**

- 1) Pre-Clinical Conservative Lab
- 2) Television for Patient Education
- 3) Microsurgery Room
- 4) Microscope Clinic
- 5) Aesthetic Clinic
- 6) Photography Room
- 7) X-Ray Room
- 8) Dental Laboratory
- 9) Departmental Library
- 10) Models:-
  - Access Opening In Natural Tooth
  - Class 1,2,3,4,5 Study Models
  - Inlay & Onlay Models
  - Post & Core Models
  - Wax Carving
  - Full Coverage Restoration
  - Veneers
  - Amalgam Restoration
- 11) Poster
  - Class-2 Composite Restoration
  - Electric Pulp Tester
  - Tissue Engineering In The Regeneration Of Pulp & Dentin In Endodontics

  
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- Smile Makeover
- Digital Smile Design
- Scope Of Esthetic Dentistry
- Midline Diastema Closure by Composite
- Vertical Root Fracture: Unlock The Mystery Of Diagnosis
- "Tsunami Endodontics" Endoactivator

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**DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE**

1. Pre-clinical Prosthodontic Lab
2. Clinical Prosthodontic Lab
3. Implant Clinic
4. Geriatric Clinic
5. Dental U.G./P.G. Laboratory
6. Ceramic Laboratory
7. Casting Laboratory
8. Seminar Room
9. Departmental Library
10. Patient Education Models
11. Patient Education Poster & Films
12. Student Education Charts
  - Introduction to complete denture
  - Dental Casts
  - Anatomical landmarks of maxillary edentulous jaw
  - Anatomical landmarks of mandibular edentulous jaw
  - Impression Trays
  - Denture Bases
  - Occlusal Rims
  - Articulator
  - Anterior teeth inclination
  - Anterior teeth arrangement

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- Posterior teeth inclination
- Posterior teeth arrangement

**13. Study Models:**

- Complete Denture
- Removable Partial Denture
- Cast Partial Denture
- Fixed Partial Denture
- Dental Implants
- Maxillofacial Prosthesis

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**DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY**

1. Operation Theatre (Major and Minor)
2. Post Recovery Room
3. Implant Clinic
4. Infection Clinic
5. Models
6. Armamentarium for exodontia and minor surgery
7. Posters
  - Correct method of handwashing
  - Segregation of biomedical waste
  - Treatments offered in department
  - Things to be taken care of after removal of tooth
  - Management of post exposure prophylaxis

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**DEPARTMENT OF PERIODONTOLOGY**

- 1) Implant Clinic
- 2) PG/ UG Clinic of department
- 3) Seminar room
- 4) Models:
  - a) Brushing techniques
  - b) Scaling
  - c) Gingival enlargements
  - d) Periodontitis
  - e) Recession
  - f) Splinting
  - g) Suturing techniques
- 5) Posters/ AV Aids:
  - a) Patient education video
  - b) Flap surgery video
  - c) Hand washing technique
  - d) BMW Segregation

  
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**DEPARTMENT OF ORTHODONTICS DENTOFACIAL ORTHOPAEDICS**

1. Photography room
2. Patient counselling area
3. Study models
  - Upper and lower Hawley's appliance
  - Face mask
  - Head gear
  - Chin cup
  - Pendulum appliance
  - Obturators
  - Study models with different malocclusion
  - Mixed dentition model
  - Twin block
  - Activator
  - Bionator
  - Lip bumper
  - Frankel regulators
  - Appliances with springs
  - Appliances with retractors
  - Catlan's appliance
  - Oral screen
  - Expansion appliances

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- Space maintainers
- Habit breaking appliances
- Appliances with bite plane
- Fixed functional appliances
- Brushing model
- Cleft lip and palate model

**4. Study posters**

- Tip and Torque value- Maxilla
- Tip and Torque value-Mandible
- Prognosis for re-alignment depending on assessment in various categories
- Correct method of hand wash
- Cervical vertebral maturity indicators
- Segregation of bio-medical waste
- Needle stick/Wire injury
- Laser and cutting edge in orthodontics
- Robotic hands virtual models
- Twelve steps to follow on mercury spillage

**5. Demonstration room**

**6. Laboratory**

**7. Departmental library**

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**DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY**

1. Preclinical Lab

- Mannequin for model work

2. Play room for kids

3. Nitrous Oxide sedation Unit

4. Study models

- Fixed Space Maintainer
- Removable Space Maintainer
- Cleft Lip and Cleft palate model
- Primary Trauma model
- Brushing model

5. Study posters

- NAM poster
- Height Chart
- Good and bad eating habit of food
- Brushing technique
- Correct method of hand wash
- Segregation of bio-medical waste

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6. E- Poster, E-video and PPT:

SR.NO.	POSTER	VIDEO	PPT
1	Avulsed tooth management	Pit & fissure Sealant	Development of occlusion
2	Management of Paediatric patient with Heart Disease	Dental care in Kids	Stainless Steel Crown
3	દૂધિયાદાંતનુમહત્વ	Space Maintainer	
4	Rampant caries	Pulpotomy	
5	Thumb Sucking Habit		

7. Departmental library
8. Isolation Room
9. Emergency Ambulance number

  
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**DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY & ORAL  
MICROBIOLOGY**

1. Clinical Room

2. Museum

Embryology, General Pathology, Oral Pathology - Soft and Hard Tissue  
Specimens

3. Ug Laboratory

4. Histopathology Laboratory

5. Microbiology Laboratory (Basic)

6. Seminar Room – With Smart Board And Trinocular Microscope With  
Camera Attachment And Tv Card

7. Pentahead Microscope

8. Models

- I. Tooth Landmarks- Elevation
- II. Tooth Landmarks-Depressions
- III. Arrangement Of Dentition by Carved Teeth
- IV. Demo Models- Central Incisors, Premolars, Molars
- V. Anodontia
- VI. Supernumerary Teeth
- VII. Ectopic Eruption and Retained Deciduous Teeth Cast
- VIII. Alveolar Cleft-U/L Cast
- IX. Palatal Cleft-U/L Cast
- X. Alveolar Cleft + Palatal Cleft-B/C Cast
- XI. Dentulous Caste (U&L) – Age Estimation
- XII. Cleft Lip

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**9. Wax Carving**

- I. Teeth Position In Jaws
- II. Dental Anthropology System

**10. Posters**

- I. Eruption & Shedding
- II. Chronology Of Human Dentition
- III. Maxillary Incisors
- IV. Mandibular Incisors
- V. Maxillary Canine
- VI. Mandibular Canine
- VII. Maxillary Premolar
- VIII. Mandibular Premolar
- IX. Maxillary Molar
- X. Mandibular Molar
- XI. Forensic Microscopy
- XII. Impression Of Neonatal Lines
- XIII. Importance Of Neonatal Lines as Dental Evidence of Live Birth
- XIV. Atlas Of Human Tooth Development and Eruption
- XV. Forensic Microscopy: Basics and Its Application in Forensic Odontology
- XVI. Oral Lichen Planus and Oral Lichenoid Lesion: A Diagnostic Dilemma
- XVII. Oroscope: Valuable Tool in Diagnosis of Oral Premalignant Lesions

**11. Light Box**

- I. Ground Section
- II. Decalcified Section

**12. Microscopic Slides**

**A) Oral Histology**

- I. Development Of Tooth
- II. Histology Of Enamel
- III. Histology Of Dentin
- IV. Histology Of Cementum

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- V. Histology Of Periodontal Membrane With Alveolar Bone
- VI. Histology Of Oral Mucous Membrane

**B) Oral Pathology**

- I. Stains
- II. Developmental Disturbances And Regressive Alterations Of Teeth
- III. Fluorosis And Regressive Alterations Of Teeth
- IV. Diseases Of Pulp and Periapical Tissues
- V. Diseases Of Periodontium
- VI. Cysts Of the Jaws
- VII. Benign Tumor Like Conditions of Oral Cavity
- VIII. Benign Non-Odontogenic Tumors of Oral Cavity
- IX. Benign Odontogenic Tumors of Jaws
- X. Fibro-Osseous Lesions of The Jaw
- XI. Premalignant Lesions of Oral Cavity
- XII. Malignant Tumors of The Oral Cavity
- XIII. Salivary Gland Tumors
- XIV. Oral Manifestations of Dermatological Diseases

**13. Specimens**

**1. Hard Tissue Specimen**

- I. Specimen Of Mandible Of Different Age Groups
- II. Shortening Of Root
- III. Elongation Of Root
- IV. Gemination
- V. Fusion
- VI. Concrecence
- VII. Dilaceration
- VIII. Taurodontism
- IX. Supernumerary Root
- X. Supernumerary Teeth
- XI. Enamel Hypoplasia

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- XII. Enamel Pearl
- XIII. Fluorosis
- XIV. Attrition
- XV. Abrasion
- XVI. Erosion
- XVII. Pulp Stone
- XVIII. Internal Resorption
- XIX. Hypercementosis
- XX. Pulp Polyp
- XXI. Rampant Caries
- XXII. Tooth Ankylosis
- XXIII. Salivary Stone
- XXIV. Cementoma
- XXV. Odontoma
- XXVI. Cementifying Fibroma
- XXVII. Calculus
- XXVIII. Developing Root

**2. Soft Tissue Specimen**

- I. Ameloblastoma
- II. Unicystic Ameloblastoma
- III. Odontogenic Keratocyst
- IV. Dentigerous Cyst
- V. Periapical Cyst
- VI. Lateral Periodontal Cyst
- VII. Aneurysmal Bone Cyst
- VIII. Ranula And Dermoid Cyst
- IX. Papilloma
- X. Fibrous Growth
- XI. Epulis

14. Natural Teeth - Natural Deciduous and Permanent Teeth

  
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**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**

1. Television for patient education
2. Mobile dental clinic
3. Tobacco cessation clinic
4. Satellite center at Ahmedabad Central Jail
5. Models
  - Tooth structure
  - Dental caries
  - Good and Bad Diet habits
6. Educational Games
  - Carrom
  - Housie
  - Tooth Hunt Friends and Foes
  - Ludo-dent
  - Cards
  - Snake & Ladder
  - Dart
  - Stack-O
  - Roll the dice

  
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### 7. Educational stationeries

- Pencil Cap
- Pouch
- Bookmarks
- Key chain
- Badges

### 8. Posters (Flex Banner and Standee)

- Normal tooth structure
- Etiology of dental caries
- Oral manifestation of AIDS
- Progress of dental caries
- Dental fluorosis
- Etiology of periodontal disease
- Brushing technique
- Stages of periodontal disease
- Five golden rules
- Tobacco
- Etiology of oral cancer
- Early warning sign and symptoms of oral cancer
- OSMF
- Avulsion of tooth
- Dis-impaction
  
- Booklets





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- Educational Calendar
- Educational Clock
- Pamphlets
- Treatment of dental caries
- Oral care of pregnant and neonates
- Passive Smoking
- Modified Stillman's method
- Oral Cancer
- Space maintainer
- Halitosis
- Sign and symptoms of dental caries
- Implant
- RCT
- Pit and fissure sealant
- Systemic effects of pyorrhea
- Malocclusion and etiology
- Oral care in pregnancy
- Caries in deciduous teeth
- ART
- Importance of deciduous teeth
- When to visit dentist

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**DEPARTMENT OF GENERAL ANATOMY**

1. DISSECTION HALL

- a. Cadaver and Cadeveric SS Tank
- b. Skeleton
  - c. Dissection Tables
  - d. Osteological specimens
  - e. Dissected specimens
  - f. Surgical instruments
  - g. Anatomical 3D Models and charts
  - h. Histology lab - Microscopes And slides
  - I. Departmental library

2. SEMINAR ROOM

- a. Audio -Visual projector
- b. Computer

3. MUSEUM

- a. Skeleton
- b. Dissected specimens
- c. Osteological specimens
- d. Embryological models
- e. Anatomical 3D Models
- d. Anatomical charts

**DEPARTMENT OF GENERAL MEDICINE**

  
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1. Medical wards
2. Instruments,
3. Drugs,
4. X- rays and
5. ECGs for demonstrations

**DEPARTMENT OF GENERAL PHYSIOLOGY &**  
**BIOCHEMISTRY DEPARTMENT**

1. Demonstration room
2. Haematological and clinical lab
  - a. Haemocytometer
  - b. Haemoglobinometer
  - c. Westergren's tube with stand
  - d. Wintrobe's tube with stand
  - e. Compound light microscope
  - f. Sphygmomanometer
  - g. Stethoscope
  - h. Tuning fork and hammer
  - i. Chemicals & reagents

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- Department of Biochemistry

- a. Electric water bath
- b. Digital colorimeter
- c. Micropipette
- d. Mini weighing scale
- e. Chemicals & Reagents

**DEPARTMENT OF GENERAL PATHOLOGY**

1. Patient registration and sample collection room

2. Diagnostic lab

- a. Binocular Microscope
- b. Incubator
- c. Digital colorimeter
- d. Centrifuge
- e. ESR stand
- f. Chemicals & Reagents

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**DEPARTMENT OF GENERAL SURGERY**

1. Medical wards (At Surgery department Civil hospital)
2. Instruments, drugs, x rays and ECGs for demonstrations

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