



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			O5
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







			CLEDING ST
Distraction osteogenesis kit (desirable)			1
Operating microscope and Microsurgery kit (desirable)			01 (SHARED WITH D.OF CONS. DENT.)
Dermatomes			Nil 1
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	1.5		2
Cautery Shalya	1		2
Computer with Internet Connection with attached Printer& Scanner			1



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GOVERNMENT DENTAL COLLEGE AND HOSPITAL,AHMEDABAD.	
X-ray Viewer boxes	07
Computer with Internet Connection with attached Printer& Scanner	06
Illuminated Mouth Mirror & Probe	01

14

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DEPARTMENT: ORAL AND MAXILLOFACIAL SURGERY

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

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DEPARTMENT OF PERIODONTOLOGY

SR.NO.	NAME OF THE EQUIPMENTS	QUANTITY HELD
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





		CREDITE
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
	-	





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





		ACCREDITED
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 Veiwer	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





		ACCREDITED
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 achiever 135 C with minimum capacity of 20 liters	2	2
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	3
ORTHO LAB			
Plaster dispenser	One each for plaster and stone plaster	2	0
Vibrator		2	0





			ACCREDITED
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.		Available in ODMR Dept.
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





DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

NAME	SPECIFICATION	QTY	AVAILABLE	Use Regular/ Rarely
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





Clinical Lab for Prosthetics					
Plaster dispenser	02	09	Regular		
Model Trimmer with	01	05	Regular		
Carborandum Disc			5		
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	01	03	Regular		
machine		0.4	-		
Micro motor lab type	02	04	Regular		
Curing pressure pot	01	01	Regular		
Pressure molding machine	01	01	Regular		
Chro	me-cobalt Lab equipn	nent			
Duplicator	01	02	Rarely		
Pindex system	01	02	Regular		
Burn out furnace	02	04	Regular		
Welder	01	01	Rarely		
Sand blaster	02	05	Regular		
(micro & macro)		01	U		
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		





regulator			
De waxing furnace	01	01	Regular
Induction casting			0
machine with			
vacuum pump,			
Capable of casting	01	01	Regular
titanium chrome			-
cobalt precision			
metal			
Programmable			
porcelain furnace	01	01	Regular
with vacuum pump			
Spot welder with			
soldering,	01	01	Regular
attachment of	01	01	Regulai
cable			
Steam cleaner	01	02	Regular
Spindle grinder			
24000 RPM with	01	01	Regular
vacuum suction			
Wax heater	02	02	Regular
Wax carver	02	02	Regular
Milling machine	01	01	Regular
Stereo microscope	01	01	Regular
Magnifying work	01	01	Regular
lamp	01	01	Regulai
Heavy duty lathe	01	02	Regular
with suction			Regulai
Preheating furnace	01	02	
Dry model trimmer	01	01	Regular
Die cutting	02	03	Regular
machine			_
Ultra sonic cleaner	01	03	Regular
Composite curing	01	02	Regular
unit			ivegului
	ic Lab Equipmen		
Ceramic furnace	01	1 2 Not working	Regular
Ceramic kit	04		Dogular
(Instruments)	06	06	Regular
	lant Equipments		
Implant kit	02	02	Regular
Implants	25	25	Regular
Prosthetic	25	25	Regular





components			
Unit mount light		20	5 1
cure	02	02	Regular
X-ray viewer	02	02	Regular
Ultrasonic cleaner	01	01	Regular
Implant micro	01	01	Decular
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	01	02	
autoclave	01	02	
Refrigerator	01	01	
Surgical kit	02	02	Regular
Sinus lift	01	02	
instruments set		02	
Educating models		95	Regular

XII. MAJOR EQUIPMENTS

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

	G	Quantity		
NAME	Specification	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	01	
Curing unit				
Dental Casting machine		02(01		
		simple+01	02	
		induction)		
Wax burnout furnace		01	01	
Pre hearting furnace		01	02	
Surveying unit		02	02	
Heavy Duty hand piece	Lab micro motors	02	18	
Autoclave	Having wet and dry	01	02	





	1 1 1 1	Г	
	cycle, which can		
	achieve 135°c with		
	minimum capacity		
N II D 'd '	of 20 liters		
Needle Burner with syringe			02
cutter		02	
Plaster Dispenser	One each for plaster	02	09
	and stone plaster	01	
Model Trimmer with		01	05
Carborandum Disc		0.1	
Model Trimmer with		01	02
Diamond Disc		0.1	0.6
Acrylizer		01	06
Lathe		02	04
Flask Press		01	04
		hydraullic	hyraullic
		01	6
		mechanica	mechanical
		press	
Deflasking unit		0.1	0.1
Dewaxing Unit		01	01
Hydraulic Press		01	04
Mechanical Press		01	06
Vacuum Mixing machine		01	03
Lab Micro motor	With heavy duty	02	10
	hand piece		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
r reenineur werking wores		1	02





DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

EQUIPMENTS:-	UG BDS
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Name	Specification	Quantity		
	-	Required	Available	
Dental Chairs and Units	As per specification	34	34	
Rubber dam kits		6	7	
Restorative instruments		10	10	
kits				
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	-	





			ACCREDITED
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 ivorine 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	Availab ility
1.	Dental Chairs and Units	Electrically operated	One chair per post-	20





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





			CREDITE	
26.	Instrument retrieval kits with Piezo Electric		1	3
	ultrasonic tips			
27.	Computer with internet connection with		1	1
	attached printer and scanner			
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

NAME	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 contrangle 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





		ACCREDITED
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 formingii) Band pinchingiii) Ball and socket (No.		
iv) Band removing		8
v) Proximal contouring (No. 114)		
vi) Crimping plier		1
Computer with internet, Scanner and Printer	Pentium IV	01 2 & 5
Sterilization		
i) Autoclaveii) Glass bead sterilizeriii) Ultrasonic cleaner	Front loading	2 2 3





		ACCREDITED
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 loups		4
Phantom table with phantom heads with attached light, airotor 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

<u>UG DEPARTMENT: PAEDIATRIC AND PREVENTIVE DENTISTRY</u>

Name	Specification	Quantity
		Required
Dental Chairs and Units	As per specification	10
	(Pedo chair preferred)	
Autoclaves	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





		ACCREDITED
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		





DEPARTMENT OF PUBLIC HEALTH DENTISTRY

NAME	SPECIFICATIONS	Required	Available
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 MOBILE CLINIC		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		1	1
system			
TV and video		1	0
cassette player			
Demonstration		5	5
models			

DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY

ESSENTIAL EQUIPMENTS			
NAME	SPECIFICATION	QTY	Availability
Dental Chair		1	Available
Automatic tissue processor		1	Available
Tissue capsules / Tissue embedding cassettes		50	Available
Paraffin wax bath (thermostatically controlled)		1	Available
Leuckhardtmoulds		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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Government Dental College and Hospital

Ahmedabad