



GOVERNMENT DENTAL COLLEGE AND HOSPITAL, AHMEDABAD

LIST OF EQUIPMENT AND INSTRUMENTS (AUGUST 2022-JULY 2023)

DEPARTMENT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDIC

EQUIPMENTS: (POSTGRADUATE)

NAME	SPECIFICATION	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 with unit for the faculty	36
Doctor's stool			72
Vacuum / pressure molding unit		1	0
Soldering Torches		1	1
Lab micromotor		5	6
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
Computer with all accessories and software for orthodontic image manipulation		1	7
Scanner with transparency adapter		1	0
X-ray viewer		1	2
O.H.P		4	0
LCD projector		0	1
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	2
Vacuum Mixer		0	0

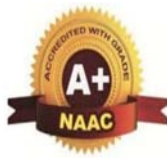


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Vibrator		0	0
Plaster Dispensers		0	0
Dry heat sterilizer		1	1
Ultrasonic scaler		1	0

No.	Name of equipment	Quantity
1	STRETCHER	1
2	WHEEL CHAIR	1
3	BMW TROLLEY	1
4	DENTAL CHAIR	36
5	DOCTOR STOOLS	72
6	COMPRESSOR 1 HP	2

Set of Orthodontic pliers		3	6
Orthodontic impression trays		5	4
Ultrasonic tray cleaner		1	3
Typodonts with full teeth set		3	4
Anatomical articulator with facebow attachments		1	1
Three plane articulators		0	0
Hinge articulators		4	5
Hydro soldering unit		0	1
Electropolisher		1	1
Sand blasting machine			2
Waste disposable trolley			1
Mini Star			1

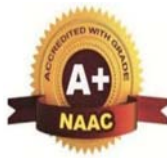


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Note: These requirements are in addition to requirement for BDS Course

EQUIPMENTS:(UNDERGRADUATE)

NAME	SPECIFICATION	Require dasperDCI	Availabili ty
Dental Chairs and Units	As per Specification	18	16
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 bucket liter with digital timer	1	3
ORTHOLAB			
Plaster dispenser	One each for plaster and stone plaster	2	0
Vibrator		2	0
Model Trimmer		2	2
Micromotor –	heavy duty	4	6
Lathe		1	2
X-ray viewers		2	2
OPG with cephalostat	If available in radiology it is adequate.		Available in ODMR
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
Hydrosolder		1	1
Typodont articulator	With metal teeth wax rim of Class I, II, III	4	4
Pressure moulding Machine		1	0



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DEPARTMENT: ORAL MEDICINE AND RADIOLOGY

No	NAME	SPECIFICATION	Availability
1.	Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and suction	31
2.	RVG with intra oral radiography machine (FDA Approved)	55-70 kVp with digital compatibility	4
3.	Extra oral radiography machine	100 kvp	0
4.	Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	2
5.	Intra-oral camera		2
6.	Pulp tester		5
7.	Autoclave		2
8.	Punch biopsy tool		5
9.	Biopsy equipment		5
10.	Surgical trolley		4
11.	Emergency medicines kit		1
12.	Extra oral cassettes with intensifying screens (Conventional and rare earth		3
13.	Lead screens		5
14.	Lead aprons		4
15.	Lead gloves		2
16.	Radiographic filters (Conventional and rare earth)		2
17.	Dark room with safe light facility		1
18.	Automatic radiographic film processors		0
19.	Radiographic film storage lead containers		2
20.	Thyroid collars		2
21.	Digital sphygmomanometer		2
22.	Digital blood glucose tester		0
23.	Digital camera		0
24.	X-ray viewer boxes		7
25.	Lacrimal probes		0
26.	Sialography cannula		0
27.	Illuminated mouth mirror and probe		2
28.	Computer with internet connection with attached printer and scanner		2
29.	CBCT		1
30.	LCD projector		1
31.	Refrigerator		1
32.	PSP		1



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33.	3D printer		1
34.	Diode soft tissue Laser		1



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DEPARTMENT:ORAL PATHOLOGY AND MICROBIOLOGY

NO	NAME	AVAILA BILTY
1.	BiochemicalAnalyser	1
2.	Pentahead Microscope	1



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DEPARTMENT:GENERAL PATHOLOGY

NO	NAME	AVAILABILITY
1.	ASPEN3200 Automated Hematology Analyser	1
2.	Curionics Biochemistry Analyser	1



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DEPARTMENT:ORALANDMAXILLOFACIALSURGERY

NO	NAME	AVAILABILITY
1.	CardiacMonitor	1
2.	EtCO2Machine	1
3.	VideoLaryngoscope	1
4.	BiolaseClass- 4SoftTissueDentalDiodeLaser	1



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DEPARTMENT: GENERAL PHYSIOLOGY AND BIOCHEMISTRY

NO.	NAME	AVAILABILITY
1.	StudentCompoundMonocularMicroscopewithMirror	12
2.	StudentCompoundMonocularMicroscopewithLight	17
3.	Sphygmomanometer	23
4.	Stethoscope	58
5.	Haemocytometer (Neubauer Chamber,RBC &WBC Pipette)	73
6.	HaemoglobinometerBox(Hbtube,Hb Pipette,ComparatorBox,Stirrer)	92
7.	WaterBathIncubator	1
8.	DigitalColorimeter	1
9.	MicroPipette	5
10.	AnalyticBalance	1
11.	GasCylinders	6
12.	Burners	11



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DEPARTMENT: PERIODONTOLOGY

NO	NAME	AVAILABILITY
1.	RVG	2
2.	DentalChairs	30
3.	Desktop	1
4.	Laser	1
5.	Ultrasonic Scalers	10



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DEPARTMENT: PAEDODONTICIS AND PREVENTIVE DENTISTRY

NO	NAME	AVAILABI LITY
1.	RVG	1
2.	DentalChairs	31
3.	MultiParaMonitor	1
4.	Defibrillator	1



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DEPARTMENT:ANATOMY

NO	NAME	AVAILABILITY
1.	Cadaveric Tank	1



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DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS

NO.	NAME	AVAILABILITY
1.	Motorised Dental Chair	UG-41 PG-23
2.	Phantom head	56
3.	Projectors	1
4.	Screen	2
5.	Computer	10
6.	Printers	5
7.	All in one Scanner Printer and Xerox machine	1
8.	X Ray Machine	3
9.	Endomotor	14
10.	Shade guide	1
11.	Matrix system	6
12.	Apex locator	12
13.	Loupes	8
14.	Scaler	2
15.	Curing light	7
16.	Rubber dam	28
17.	Pulp tester	20
18.	Micromotor	50
19.	Central sterilization room with front load autoclave	4
20.	Top load autoclave	3
21.	Hand piece autoclave	6
22.	Ultrasonic cleaner	6
23.	Microscope (DOM)	2
24.	RVG	3
25.	PSP	1
26.	Portable X Ray	1
27.	Thermoplasticized touch and heat	2
28.	Thermafil	1
29.	Ultrafil	4
30.	System B	1
31.	Guttaflow	1
32.	Microsurgical instruments	
33.	Instrument retrieval system	2
34.	Pressurized LA	2
35.	Sonic irrigation system	1
36.	Endovac	1
37.	Diode laser	1



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DEPARTMENT: PROSTHODONTICS AND CROWN AND BRIDGE

NO	NAME	AVAILABILITY
1	Dental Chair	21
2	Electric appliance	10
3	Oral surgery forceps	12
4	Elevator	9
5	R.V.G machine	1
6	Probes, Mirror with handles	50
7	Micro motor	5
8	Hydraulic press	2
9	Endodontic motor	1
10	Hinge articulator	20
11	Chin retractor	1
10	PSP intraoral phosphorous plate Scanner	1



GOVERNMENT DENTAL COLLEGE AND HOSPITAL, AHMEDABAD

DEPARTMENT: PUBLIC HEALTH DENTISTRY

S. No.	NAME	SPECIFICATION	Quantity	Availability
	Instruments in the department for comprehensive Oral health care programme			
1.	Dental chairs	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment with contra angle handpiece, airoter attachment, ultrasonic scaler (Piezo) with detachable autoclavable hand piece with min 3 tips.	One chair and unit per post-graduate student and one chair with unit for the faculty	33
2.			1 Unit	
3.	Extraction forceps		4 sets	4-sets
4.	Filling instruments		4 sets	4-sets
5.	Scaling instruments	Supra gingival scaling	4 sets	5-sets
6.	Amalgamator		1	1
7.	Pulp tester		1	1
8.	Autoclave		1	2
9.	X-ray viewer		1	1
10.	Instrument cabinet		1	1
11.	LCD or DLP multimedia projector		1	1
	Computer with internet connection with attached printer and scanner		1	1
13.	For peripheral dental care or field programme			
14.	Staff bus		1	1
15.	Mobile dental clinic fitted with at least 2 dental chairs with complete dental unit with fire extinguisher		1	1
16.	Ultrasonic scaler,		1	1
17.	Ultrasonic cleaner capacity 3.5 lts		1	1
18.	Compressor	One with chair		1
19.	Generator		1	1
20.	Public address system, audio-visual aids		1	1
21.	Television		1	1
22.	Digital Versatile DiscPlayer		1	1
23.	Instrument cabinet, emergency medicine kits, Blood pressure apparatus		1	1
24.	Portable oxygen cylinder		1	1



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25.	Portable chair		1	2
26.	Refrigerator		1	1
27.	Smoke Analyzer		-	1
28.	UV Chamber		-	2
29.	IOPA Dental X-Ray Machine		-	1

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