



GOVERNMENT DENTAL COLLEGE AND HOSPITAL, AHMEDABAD

LIST OF EQUIPMENT AND INSTRUMENTS (AUGUST 2023-JULY 2024)

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

Sets of Orthodontic pliers		3	6
Orthodontic impression trays		5	4
Ultrasonic tray cleaner		1	3
Typodonts with full teethset		3	4
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
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)

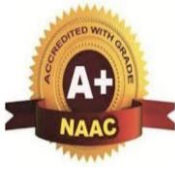
NAME	SPECIFICATION	Required as per DCI	Availability
Dental Chairs and Units	As per Specification	18	16
Unit mount scaler		5	-
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2
Ultrasonic Cleaner	Minimum capacity 13 bucket liter with digital timer	1	3
ORTHO LAB			
Plaster dispenser	One each for plaster and stone plaster	2	0
Vibrator		2	0
Model Trimmer		2	2
Micromotor – Lathe	heavy duty	4	6
X-ray viewers		1	2
		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
Hydro solder		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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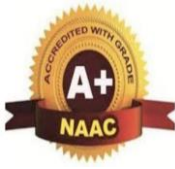
33.	3D printer		1
34.	Diode soft tissue Laser		1



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DEPARTMENT: 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 Disc Player		1	1
23.	Instrument cabinet, emergency		1	1



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	medicine kits, Blood pressure apparatus			
24.	Portable oxygen cylinder		1	1
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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DEPARTMENT: ORAL AND MAXILLOFACIAL SURGERY

NO	NAME	AVAILABILITY
1.	Cardiac Monitor	1
2.	EtCO2 Machine	1
3.	Video Laryngoscope	1
4.	Biolase Class-4 Soft Tissue Dental Diode Laser	1



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DEPARTMENT: GENERAL PHYSIOLOGY AND BIOCHEMISTRY

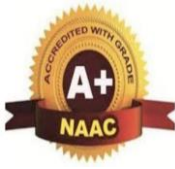
NO.	NAME	AVAILABILITY
1.	Student Compound Monocular Microscope with Mirror	12
2.	Student Compound Monocular Microscope with Light	17
3.	Sphygmomanometer	23
4.	Stethoscope	58
5.	Haemocytometer (Neubauer Chamber, RBC & WBC Pipette)	73
6.	Haemoglobinometer Box (Hb tube, Hb Pipette, Comparator Box, Stirrer)	92
7.	Water Bath Incubator	1
8.	Digital Colorimeter	1
9.	Micro Pipette	5
10.	Analytic Balance	1
11.	Gas Cylinders	6
12.	Burners	11



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DEPARTMENT: PERIODONTOLOGY

Sr. No.	NAME	QUANTITY
1	Gold Man fox probe	1
2	Marquis colour coded probe	1
3	Mini five curettes	1set (7 hand instruments)
4	Mallet	1
5	Oschenbein chisel	Straight - 1
6	Schlugerman bone file	1
7	Bone scrapper	1
8	Bone trephines for harvesting autografts	1
9	Micro needle holder	1
10	Micro scissors	1
11	Bone condenser (Bone compression kit) MIS	1 kit
12	Glass Ionomer cement	1
13	Intra Oral camera	1
14	Implants	10
15	Implant maintenance kit (plastic instruments)	1 set
16	Implant guide	1
17	X-ray viewer	1
18	Front load autoclave	1
19	Ultrasonic scalers	6
20	Physiodispensor	1



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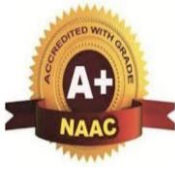
21	Implant kit	1
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DEPARTMENT: PAEDODONTICIS AND PREVENTIVE DENTISTRY

NO	NAME	AVAILABILITY
1.	RVG	1
2.	Dental Chairs	31
3.	MultiPara Monitor	1
4.	Defibrillator	1
5.	Physio dispenser	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.	XRy 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.	Handpiece autoclave	6
22.	Ultrasonic cleaner	6
23.	Microscope (DOM)	2
24.	RVG	3
25.	PSP	1
26.	Portable XRy	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
38.	Face bow and articulator-cordient 650	2
39.	Vibrator	1
40.	Lab curing composite unit	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



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DEPARTMENT: PUBLIC HEALTH DENTISTRY