

## EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: Oral Medicine and Radiology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
	(Space allocation for each dental chair 100 Sq.Ft. in all the Departments)				Adequate
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventry Suction, X-Ray viewer, 3 way syringe, instrument tray, Dental Operator's Stool with height adjustment	6	12	12	Adequate
Panoramic X-Ray with Cephalometric	Preferably digital	1	1	01	Adequate
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer	2	3	4	Adequate
Pulp testers	Digital			02	Adequate
Automatic periapical X-ray Developer		1	1	01	Adequate
Automatic Panoramic with Cephalometric X-ray Developer		1	1	01	Adequate
X-ray viewer	For Panoramic and Cephalometric films	2	2	06	Adequate
Radiovisiography	Digital Intra X-ray system with one Sensor and Software	1	1	01	Adequate
General X-ray Unit		1	1	01	Adequate
Ortho Pantmograph	Preferably digital	1	1	01	Adequate
Automatic Developers / Dark Room		1	2	02	Adequate
Lead aprons		2	2	02	Adequate
Lead Gloves		1	1	02	Adequate
X-ray Hangers		6	6	06	Adequate
X-ray Viewers		2	2	06	Adequate
Diagnostic Kits	Mouth mirror, dental probe, college tweezers	20	40	60	Adequate
Lead Screen		1	1	02	Adequate
Biopsy Kit		1	1	02	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	02	Adequate
Computers	Minimum Pentium – IV	1	1	02	Adequate
Intra Oral Camera	With High resolution	1	1	02	Adequate
Needle Burner with Syringe Cutter		2	2	02	Adequate



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Department: Oral Pathology and Oral Microbiology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	1	2	02	Adequate
Microscopes		20	40	60	Adequate
Microtome		1	1	01	Adequate
Wax bath		1	1	01	Adequate
Water bath		1	1	01	Adequate
Knife sharpener		1	1	01	Adequate
Hot plate		1	1	01	Adequate
Spencer Knife		1	1	01	Adequate

Department: Public Health Dentistry

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, HalogenLight with 2 intensity, Air Ventury suction, micromotor control light cure 3 way syringe, X-ray viewer, instrument tray Dental Operators stool with height adjustment with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction, micromotor, airtor, light cure	8	16	02 (14 under process)	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	01(01 under process)	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	(2 under process)	
Needle burner with syringe cutter		2	4		
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			Available	Adequate
Dental chair with unit	Hydraulically operated with spittoon attachment, halogen light with 2 intensity, air ventury suction, airtor, micromotor, 3 way-scaler and light cure, x-ray viewer, instrument tray, operating stool	2		Available	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	1	(01 under process)	
Intraoral x-ray	Portable, 70 KV, 8 mA	1	1	01	Adequate
Glass bead sterilisers		1	1		
Compressor	1.25 HP	1	1	01	Adequate
Metal Cabinet	With wash basin	1	1	01	Available
Portable dental chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP	2	2	02	Adequate
Stabiliser	4 KV	1	1	01	Adequate
Generator	4 KV	1	1	01	Adequate
Water tank	400 ltrs	1	1	01	Adequate
Oxygen cylinder		1	1	01	Adequate
Public address system		1	1	01	Adequate



TV and video cassette player		1	1	01	Adequate
Demonstration models		1	1	44	Adequate

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, HalogenLight with 2 intensity, high power motorized evacuation system, Air rotor with miniature, AirrotorHPS, Micro motor with miniature contrangle Hand piece, 3 way syringe, ultrasonic sealer with 3 tips, Light cure unit LED based heat free, X-ray viewer, instrument tray Dental Operator'sstool with height adjustment (Pedo chair preferred)	10	20	21	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	02	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	2	01	
Needle Burner with syringe cutter		2	3	03	Adequate
Amalgamator		1	1	01	Adequate
Pulp Tester Digital		1	1	02	Adequate
Rubber dam kit for pedo		3	5	18	Adequate
Apex locator		1	1	02	Adequate
Endo motor	With torque control HPs	1	1	03	Adequate
Injectable gutta percha with condensation		1	1	01	Adequate
Radiovisiography	Digital intra X-ray system with pedo sensor and software	1	1	01	Adequate
Intra Oral Camera	With high resolution	1	1	01	Adequate
Scale instruments		5	10	22	Adequate
Restorative instruments		5	10	100	Adequate
Extraction forceps		5	10	125	Adequate
Intra-oral X-ray		1	1	01	Adequate
Automatic Developer		1	1	01	Adequate
Computer	Minimum Pentium – IV	1	1	01	Adequate
<b>PEDO LAB</b>					
Plaster dispenser	One each for plaster and stone plaster	2	2	02	Adequate
Model Trimmer	With diamond disc	1	1	01	Adequate
Model Trimmer	Double disc one diamond and one carborandam disc	1	1		
Welder with soldering attachments		1	1	4	Adequate
Vibrator		2	2	2	Adequate
Lab micro motor	Heavy duty with Hps	2	3	2	Adequate
Dental Lathe		1	1	1	Adequate
Model Trimmer		1	1	1	Adequate

Steam cleaner		1	1		
Pressure moulding machine		1	1	1	Adequate
Carborandum disc		1	1		
Diamond disc		1	1		

Department: **Orthodontics**

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, HalogenLight with 2 intensity, Air Ventury suction, micromotor control light cure 3 way syringe, X-ray viewer, instrument tray Dental Operators stool with height adjustment	9	18	10	
Unit mount scaler		3	5	21	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	02	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	02	Adequate
ORTHO LAB					Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	2	Adequate
Vibrator		2	2	2	Adequate
Model Trimmer		1	2	2	Adequate
Micromotor	Heavy duty	2	4	4	Adequate
Lathe		1	2	2	Adequate
X-ray viewers		2	2	2	Adequate
OPG with cephalostat	If available in radiology its is adequate	1	1	In Radiology	Adequate
Welders		2	4	4	Adequate
Blue Torch		1	1	1	Adequate
Base Formers		2	4	4	Adequate
Typodont		2	4	4	Adequate
Set of pliers		5	10	33	Adequate
Welder with soldering attachments		1	1	1	Adequate
Hydro solder		1	1	1	Adequate
Typodont articulator	With metal teeth wax rim of Class I, II, III	3	4	4	Adequate
Pressure moulding machine		1	1	1	Adequate



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Department: Periodontology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, HalogenLight with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, with shadowless lamp, spittoon, 3 way syringe, Ultrasonic sealer with 3 tips, X-ray viewer, instrument tray Dental Operators stool with height adjustment	17	34	17	Adequate
Scaling instrument sets		5	10	10	Adequate
Surgical instrument sets		3	6	06	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	03	Adequate
Ultrasonic scaler	Minimum capacity 13 litres with mesh bucket	1	2	02	Adequate
Electro surgical cautery		1	1	01	Adequate
Needle burner with syringe cutter		4	6	04	Adequate
LASER	Soft tissue laser	1	1	01	Adequate
Surgical motor with physio dispenser		1	1	01	Adequate

Department: Conservative Dentistry and Endodontics

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, HalogenLight with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, with shadowless lamp, spittoon, 3 way syringe, Ultrasonic sealer with 3 tips, X-ray viewer, instrument tray Dental Operators stool with height adjustment	17	34	34	Adequate
Rubber dam kits		4	6	08	Adequate
Restorative instruments kits		5	10	10	Adequate
R.C.T. instrument kits		5	10	10	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	05	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	02	Adequate
Needle Burner with Syringe Cutter		3	4	04	Adequate
Amalgamator	With auto proportion, auto dispenser	2	3	01	
Rubber dam kits		4	6	08	Adequate
Rubber dam kits		2	4	02	
Pulp Tester Digital		1	2	04	Adequate
Apex locator		4	6	06	Adequate
Glasbead					



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sterilizers					
Plaster dispenser		2	2	2	Adequate
Vibrator		1	2	2	Adequate
Ceramic Unit		1	1	1	Adequate
Casting machine		1	1	1	Adequate
Intra-oral X-ray Unit	Proper radiation safety	1	1	1	Adequate
Automatic Developer		1	1	1	Adequate
Radiovisiography	RVG with Computer	1	1	1	Adequate
Endo motor	With torque control Hps	1	1	1	Adequate
Bleaching Unit		1	1	1	Adequate
Magnification loops		1	2	4	Adequate
Injectable gutta percha		1	2	2	Adequate
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 (not to use extracted or cadaver teeth).	30	60	110	Adequate

#### Chemical Laboratory

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Plaster Dispenser	One each for plaster and stone plaster	2	2	01	
Model Trimmer	Carborandum disc	1	1	01	Adequate
	Diamond disc	1	1	01	Adequate
Lathe	Heavy Duty	1	2	02	Adequate
Lab Micromotor	With heavy duty handpiece	2	3	03	Adequate
Ultrasonic cleaner	Minimum capacity 5 litres	1	1	01	Adequate
Spindle Grinder		1	1	01	Adequate
Vibrator		1	2	02	Adequate
Burnout furnace		1	1	01	Adequate
Porcelain furnace		1	1	01	Adequate
Sandblasting Machine		1	1	01	Adequate
Lab Airtor		1	1	1	Adequate
Pindex System		1	1	1	Adequate
Circular saw		1	1	1	Adequate
Vacuum mixer		1	1	1	Adequate
Pnematic chisel		1	1	1	Adequate
Casting machine	Motor cast / induction casting preferred	1	1	1	Adequate

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Department: Oral & Maxillofacial Surgery

A) Exodontia

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, X-rayviewer, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction, Micromotor / Airtor	15	30	18+ In process	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	7	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	Under process	
Needle Burner with Syringe Cutter		4	6	06	Adequate
Extraction forceps sets	Complete set	10	20	20	Adequate
Dental elevators	Complete set	5	10	20	Adequate
Minor Oral Surgery kits		3	6	20	Adequate
Emergency drugs tray		1	1	1	Adequate
Oxygen cylinder with mask		1	1	Portable-2 Central Wall mounted-5	Adequate
X-ray viewers		2	2	20	Adequate
Computer	Minimum Pentium – IV	1	1	/	Adequate

B) Minor Surgery

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contra-angle Handpiece, 3 way syringe, instrument tray DenOperators stool and height adjustment and suction.	3	5	2+ 3 in process	

Department: Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, 3 way syringe, Ultrasonic sealer with 3 tips, Light cure unit, instrument tray and suction, Dental Operators stool with height adjustment	17	34	20+ in process	
Semi-adjustable articulator	With face bow	2	2	2underproc	
Extra oral / intra oral tracer		2	2	2	Adequate
Dewaxing unit		1	2	2	Adequate

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Curing unit		1	2	2	Adequate
Dental casting machine		1	1	1 underproc	
Wax burnout furnace		1	1	1	Adequate
Pre heating furnace		1	1	1 underproc	
Surveying unit		1	2	2	Adequate
Heavy duty hand piece	Lab micromotors	3	4	4	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	Adequate
Needle Burner with Syringe Cutter		1	2	2	Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	2 underproc	
Model Trimmer with Carborandum disc		1	1	1	Adequate
Model Trimmer with diamond disc		1	2	2 underproc	
Acryliser		2	3	underproc	
Lathe		1	2	2	Adequate
Flask press		4	4	4 underproc	
Deflasking unit		4	4	1 underproc	
Dewaxing unit		2	3	2	Adequate
Hydraulic Press		2	3	2	Adequate
Mechanical Press		1	2	1	Adequate
Vacuum mixing machine		1	1	1 underproc	
Lab Micro motor	With heavy duty handpiece	3	4	4	Adequate
Curing pressure pot		1	1	1 underproc	
Porcelain furnace		1	2		
Vibrator		1	2	2	Adequate
Sandblasting unit		2	2	2	Adequate
Ultrasonic cleaner		1	2	1 underproc	
Model Trimmer		1	2	1 underproc	
Hot water sterilizer		2	4	1 underproc	
Geyser	Compound bath	1	2	2	Adequate
H.P. grinder with suction		2	3	Under process	
Heavy duty lathe		2	2	2	Adequate
Phantom heads		50	50	60	Adequate
Pre-clinical working tables	Gas connection & Bunsen burner	50	100	60 in process	



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**Ceramic and Cast Partial Laboratory**

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		50 Intake	100 Intake		
Plaster dispenser	One each for plaster and stone plaster	2	2	2 underproc	
Duplicator		1	1	1 underproc	
Pindex System		1	1	1	Adequate
Circular saw		1	1	1	Adequate
Burnout furnace		1	1	1	Adequate
Sandblasting Machine	With two containers	1	1	1	Adequate
Electro polisher		1	1	1 underproc	
Model Trimmer with Carborandum disc		1	1	1	Adequate
Model Trimmer with diamond disc		1	1	1 underproc	
Induction casting machine		1	1	1 underproc	
Programmable porcelain furnace with vacuum pump with instrument kit and material kit		1	1	1	Adequate
Spot welder with soldering attachment of cable		1	1	1 underproc	
Vacuum mixing machine		1	1	1 underproc	
Steam Cleaner		1	1	1	Adequate
Spindle Grinder 24000 rpm with vacuum suction		1	1	1	Adequate
Wax heater		1	1	1	Adequate
Wax carver		1	1	1	Adequate
Curing pressure pot		1	1	1 underproc	
Milling machine		1	1	1 underproc	
Heavy duty lathe with suction		1	1	1	Adequate
Preheating furnace		1	1	1	Adequate
Palatal trimmer		1	1	1	Adequate
Ultrasonic cleaner	5 liters capacity	1	1	1 underproc	
Composite curing unit		1	1	1	Adequate
Micro surveyor		1	1	1 underproc	
Pre-clinical Prosthetic Laboratory	Work table preferably complete stainless steel fitted with light, Bunsen burner, air blower, working stool. Adequate number of lab micro motor with attached hand piece.	30 10	60 20	60	Adequate
Plaster room for pre-clinical work					
Plaster dispenser	One each for plaster and stone	2	2	2 underproc	
Vibrator		2	2	2	Adequate
Lathe		2	2	2	Adequate
Model Trimmer					
Carborandum Disc		1	1	1	Adequate
Diamond disc		1	1	Under process	

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## EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

Department: Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		1 Unit	2 Units		
Electrical Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airtor attachment with handpieces	One Chair and unit per PG student and two chairs with unit for the faculty		11	Adequate
Articulators – semi adjustable/ adjustable with face bow		6	12	6	Adequate
Micromotor – (Lab Type can also be attached (fixed) to wall		2	4	2	Adequate
Ultrasonic scaler		2	2	2	Adequate
Light cures		2	2	2	Adequate
Hot air oven		1	1	Under proc	
Autoclave		2	2	2	Adequate
Surveyor		2	2	2	Adequate
Refrigerator		1	1	1	Adequate
X-ray viewer		1	2	1	Adequate
Pneumatic, Crown bridge remover		2	3	1 underproc	
Needle destroyer		1	2	1	Adequate
Intra oral camera		1	1	1	Adequate
Digital SLR camera		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	1	Adequate
LCD projector		1	1	1	Adequate
<b>Clinical Lab for Prosthetics</b>					
Plaster dispenser		2	2	2 underproc	
Model trimmer with carborandum Disc		1	2	1	Adequate
Model trimmer with diamond disc		1	2	1 underproc	
High speed lathe		2	3	2	Adequate
Vibrator		2	4	2	Adequate
Acrylizer		1	2	1	Adequate
Dewaxing unit		1	2	1	Adequate
Hydraulic press		1	1	1	Adequate
Mechanical press		1	1	1	Adequate
Vacuum mixing machine		1	1	1	Adequate
Micro motor lab type		2	3	2	Adequate
Curing pressure pot		1	1	1	Adequate
Pressure molding machine		1	1	1	Adequate
<b>Chrome – Cobalt Lab Equipment</b>					
Duplicator		1	1	1	Adequate
Pindex system		1	1	1	Adequate
Burn-out furnace		1	1	1	Adequate
Welder		1	1	1 underproc	
Sandblaster	Micro and macro	1	1	1	Adequate
Electro – polisher		1	1	1	Adequate
Model trimmer with carborandum disc		1	1	1	Adequate





Model trimmer with diamond disc		1	1	1 underproc	
Model trimmer with double disc (one Carborandum and one diamond disc)		1	1	1 underproc	
Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	1	1 underproc	
Dewaxing furnace		1	1	1	Adequate
Induction casting machine with vacuum pump, capable of casting titanium chrome cobalt precision metal		1	1	1	Adequate
Spot welder with soldering, attachment of cable		1	1	1 underproc	
Steam cleaner		1	1	1	Adequate
Vacuum mixing machine		1	1	1	Adequate
Spindle grinder 24,000 RPM with vacuum suction		1	1	1	Adequate
Wax heater		2	3	2	Adequate
Wax carvers (Full PKT Set)		2	3	2	Adequate
Milling machine		1	1	1	Adequate
Stereo microscope		1	1	1 underproc	
Magnifying work lamp		1	1	1 underproc	
Heavy duty lathe with suction		1	1	1	Adequate
Preheating furnace		1	1	1	Adequate
Dry model trimmer		1	1	1 underproc	
Die cutting machine		1	2	1	Adequate
Ultrasonic cleaner		1	1	1	Adequate
Composite curing unit		1	1	1	Adequate
<b>Ceramic Lab Equipment</b>					
Fully programmable porcelain furnace with vacuum pump		1	1	1	Adequate
Ceramic kit (instruments)		3	3	3	Adequate
Ceramic materials (kit)		1	1	1	Adequate
Ceramic polishing kit		2	2	2	Adequate
<b>Implant Equipment</b>					
Electrical dental chair and unit		1	1	1	Adequate
Physio dispenser		1	1	1	Adequate
Implant kit	Minimum 2 systems	2	2	2	Adequate
Implants		10	10	10	Adequate
Prosthetic components		10	10	10	Adequate
Unit mount light cure		1	2	1	Adequate
X-ray viewer		1	2	1	Adequate
Needle destroyer		1	2	1	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
Autoclave programmable for all recommended cycles		1	2	1	Adequate
X-ray machine with RVG		1	1	1	Adequate
Refrigerator		1	1	1	Adequate
Surgical kit/prosthetic kit		2	2	1	Adequate
Educating models		1	1	1	Adequate
Implant removing instruments		1	1	1 underproc	

Department: Periodontology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	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	One chair and unit per post-graduate student and Two chairs with unit for the faculty		11	Adequate
		1 Unit	2 Units		
Auto clave (fully automatic) front loading		1	2	1	
Steel bin		4	6	4	
Airoter hand pieces		2	2	2	Adequate
UV chamber		1	1	1	Adequate
Formalin chamber		1	1	1	Adequate
W.H.O probe		2	2	2	Adequate
Nabers probe		2	2	2	Adequate
Williams probe		2	2	2	Adequate
UNC-15 probe		4	4	4	Adequate
Gold Man fox probe		1	1	1	Adequate
Pressure sensitive probe		1	1	1	Adequate
Marquis color coded probe		1	1	1	Adequate
Supra gingival scalers	set	2	2	2	Adequate
Sub gingival scaler	set	2	2	2	Adequate
Arkansas sharpening stone		1	1	1	Adequate
<b>Surgical Instruments</b>					
Routine surgical instrument kit (Benquis periosteal elevator, periotome)	set	2	3	2	Adequate
Surgery trolleys		6	6	6	Adequate
X ray viewer		1	2	1	
Surgical cassette with sterilisation pouches		4	6	4	
Electro surgery unit		1	1	1	Adequate
<b>Special Surgical Instruments</b>					
Kirkland's knife	set	1	1	1	Adequate
Orban's knife	set	1	1	1	Adequate
Paquette blade handle		1	1		
Krane kaplan pocket marker	set	1	1	1	Adequate
Mc Calls universal curettes	set	1	1	1	Adequate
Gracey's curettes (No.1-18)	set	2	2	2	Adequate
Mini five curettes	set	1	1	1	Adequate
Cumine scalar		1	1	1	Adequate
Mallet		1	1	1	Adequate
Chisel		1	1	1	Adequate
Oschenbein chisel	straight, curved	1	1	1	Adequate
Schluger bone file		1	1	1	Adequate
Bone fixation screw kit		1	1	1	Adequate
Bone scrapper		1	1	1	Adequate





Bone trephines for harvesting autografts	1 set	1	1	1	Adequate
Bone regenerative materials	Bone graft and GTR membranes	5	5	5	Adequate
Local drug delivery systems	At least two different agents	1 each	1	1	Adequate
Root conditioning agent	At least two different agents	2	2	2	Adequate
Micro needle holder		1	1	1	Adequate
Micro scissors		1	1	1	Adequate
Magnifying loop (2.5 – 3.5)		1	2	1	Adequate
Operating microscope	optional	1	1	-	-
3rd generation digital probe	optional	1	1	-	-
Bone expander and bone crester	optional	1	1	-	-
Distraction osteogenesis kit	optional	1	1	-	-
Bone mill	optional	1	1	-	-
Bone graft / membrane placement spoon		1	1	1	Adequate
Bone condenser		1	1	1	Adequate
Peizo-surgery unit	optional	1	1	1	Adequate
Centrifuge for PRP/PRF preparation	optional	1	1	1	Adequate
Soft tissue laser (8 watt)		1	1	1	Adequate
Osteotome	set optional	1	1	-	-
<b>Miscellaneous Instruments</b>					
Composite gun with material kit		1	1	1	Adequate
Splinting kit with material		2	3	1	
Composite finishing kit		1	1	1	Adequate
Glass Ionomer cement		1	1	1	Adequate
Digital camera		1	1	1	Adequate
Intra Oral camera		1	1	1	Adequate
Ultrasonic cleaner		1	1	1	Adequate
Emergency kit		1	1	1	Adequate
Refrigerator		2	2	2	Adequate
X-ray viewer		1	1	1	Adequate
LCD projector		1	1	1	Adequate
Computer with internet connection with attached printer and scanner					
Implant Equipment				Under process	
Electrical dental chair and unit		1	1	1	Adequate
Physio dispenser		1	1	Under process	
Implant kit	At least two different systems	2	2	Under process	
Implants		10	10	Under process	
Implant maintenance kit (plastic instruments)		1 set	1 set	1	Adequate
Implant guide		1	1		
X-ray viewer		1	2	1	Adequate
Needle destroyer		1	2	1	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
Autoclave programmable for all recommended cycles		1	1	1	Adequate
RVG with x-ray machine		1	1	1	Adequate
Refrigerator		2	2	2	Adequate
Surgical kit		1	1	Under process	
Sinus lift kit		1	1	1	Adequate
Educating models		1	1	1	Adequate
Implant removing kit		1	1	1	Adequate

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Noir Hospital Dental College

Department: Oral & Maxillofacial Surgery

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and high otorized suction, with micromotor and micro motor attachment	One chair and unit per post-graduate student and Two chairs with unit for the faculty		07	
		1 Unit	2 Units		
Autoclave	Front loading	2	3	5	Adequate
Fumigators		1	1	2	Adequate
Oscillating saw	With all hand pieces	1	1	1	Adequate
<b>Surgical Instruments</b>					
General surgery kit including tracheotomy kit		2	2	4	Adequate
Minor oral surgery kit		5	10	20	Adequate
Osteotomy kit		1	1	2	Adequate
Cleft surgery kit		1	1	1	Adequate
Bone grafting kit		1	1	1	Adequate
Emergency kit		1	1	1	Adequate
Trauma set including bone		2	2	2	Adequate
Plating kit		1	1	2	Adequate
Implantology kit	Minimum 2	2	2	2	Adequate
With implants	systems	10	10	Max.,Mandi, Alveolar, Vertical	Adequate
Distraction osteogenesis kit		1	1	1	Adequate
Peizo surgical unit		1	1	Under process	
Magnifying loops		1	1	8	Adequate
Operating microscope and Microsurgery kit	desirable	1	1		
Dermatomes		1	1	1	Adequate
Needle destroyer		2	3	4	Adequate
Ultrasonic Cleaner capacity 3.5 Its		1	1	Under process	
Formalin chamber		1	1	1	Adequate
Pulse oxymeter		1	1	5	Adequate
Ventilator		1	1	1+3 bipaps	Adequate
Major operation theatre with all facilities		1	1	1	Adequate
Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds	2Beds in NHDC +2 in TNMC	Adequate
Fibroptic light		1	1	1	Adequate
Inpatient beds		20	20	25	Adequate
Fiber optic laryngoscope		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	2	Adequate
LCD projector		1	1	1	Adequate
Refrigerator		1	1	6	Adequate



Department: Conservative Dentistry and Endodontics

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airtor attachment with hand pieces	One chair & unit per post-graduate student and two chairs with unit for the faculty		34	Adequate
		1 Unit	2 Units		
ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3	2	Adequate
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3	6	8	Adequate
Rubber dam kit		1 per chair.	1 per chair	8	Adequate
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	5	Adequate
Autoclaves for hand piece sterilization		1	1		Adequate
Apex locators one for every two chairs		2	4	4	Adequate
Pulp tester		2	4	1	
Equipments for injectable thermoplasticized gutta percha		1	2	1	Adequate
Operating microscopes 3 step or 5 step magnification		1	1	5	Adequate
Surgical endo kits (Microsurgery)		2	2	1	
Set of hand instruments (specifications required)		1	2	6	Adequate
Sterilizer trays for autoclave		4	4	4	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
Variable Intensity polymerization equipments VLC units	Desirable	1	1	---	---
Conventional VLC units one for every two chairs		2	4	2	Adequate
Needle destroyer		2	2	2	Adequate
Magnifying loupes one for students and one for faculty		1	2	3	Adequate
LCD projector		1	1	1	Adequate
Composite kits with different shades and polishing kits		2	4	5	Adequate
Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	2	Adequate
Amalgam finishing kits		2	3	2	Adequate
RVG with x-ray machine developing kit		1	1	1	Adequate
Chair side micro abrasion		1	1	1	Adequate
Bleaching unit		1	1	1	Adequate
Instrument retrieval kits		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	2	Adequate
		1	1	1	Adequate

Refrigerator		1	1	4	Adequate
Equipments for casting procedures				1	
Equipments for ceramics including induction casting machines/ burnout preheat furnaces/wax elimination furnaces		1	1	1	Adequate
Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments		1	1	1	Adequate
Laser (preferably hard tissue)		1	1	1	Adequate
Face bow with semi adjustable articulator		1	2		

Department: Orthodontics and Dentofacial Orthopedics

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction	One chair & unit per PG student and Two chairs with unit for the faculty		11	Adequate
		1 Unit	2 Units		
Vacuum /pressure moulding unit		1	1	1	Adequate
Hydrogen soldering unit		1	1	1	Adequate
Lab micromotor		3	5	29	Adequate
Spot welders		3	5	7	Adequate
Model trimmer (Double disc)		2	3	4	Adequate
Light curing unit		2	2	22	Adequate
High intensity light curing unit		1	2	21	Adequate
Polishing lathes		2	3	3	Adequate
Tracing tables		3	5	3	
SLR digital camera		1	1	1	Adequate
Scanner with transparency adapter		1	1	1	Adequate
X-ray viewer		3	4	5	Adequate
LCD projector		1	1	2	Adequate
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	1	Adequate
Needle destroyer		1	1	2	Adequate
Dry heat sterilizer		1	1	1	Adequate
Ultrasonic scaler		1	1	21	Adequate
Sets of Orthodontic pliers		3	3	10	Adequate
Orthodontic impression trays		3	5	394	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
Electropolisher		1	1	1	Adequate
Typodonts with full teeth set		3	3	7	Adequate
Anatomical articulator with facebow attachments		1	1	1	Adequate
Free plane articulators		1	1	2	Adequate
Hinge articulators		4	4	9	Adequate
Computer software for cephalometrics		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	1	Adequate
Refrigerator		1	1	1	Adequate





Department: Oral & Maxillofacial Pathology and Oral Microbiology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and suction	3	6	3	Adequate
Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available			Reasonable quantity is available	Adequate
Adequate tissue capsules / tissue embedding cassettes	Reasonable quantity should be made available			Reasonable quantity is available	Adequate
Paraffin wax bath	thermostatically controlled	1	1	1	Adequate
Leuckhart pieces		10	10	10	Adequate
Block holders		25	25	30	Adequate
Microtome	Manual	1	1	1	Adequate
Microtome	semi-automated	1	1	1	Adequate
Tissue floatation water bath	thermostatically controlled	1	1	1	Adequate
Slide warming table		1	1	1	Adequate
Steel slide racks for staining		5	5	10	Adequate
Diamond glass marker		2	2	5	Adequate
Research microscope with phase contrast, dark field, polarization, image analyzer, photomicrography attachments		1	1	1	Adequate
Multi head microscope	Penta headed	1	1	1	Adequate
Binocular compound microscope		2 for faculty 1 per student	4 for faculty one per student	30	Adequate
Stereo microscope		1	1	Under process	Adequate
Aluminum slide trays		5	5		
Wooden / plastic slide boxes		5	5	10	Adequate
Wax block storing cabinet		5,000 capacity	10,000 capacity	45000	Adequate
Slide storing cabinet		5,000 capacity	10,000 capacity	45000	Adequate
Refrigerator		1	1	2	Adequate
Pipettes		5	5	20	Adequate
Surgical kit for biopsy		3	6	10	Adequate
Immuno histo chemistry lab		1	1	1	Adequate
Computer with Internet Connection with attached printer and scanner		1	1	3	Adequate
LCD projector		1	1	1	Adequate
<b>Desirable Equipment</b>					
Cryostat		1	1	---	---
Fluorescent microscope		1	1	---	---
Hard tissue microtome		1	1	---	---
Tissue storing cabinet (frozen)		1	1	---	---
Microwave		1	1	---	---
		1	1	1	Adequate

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, and motorised suction, micromotor attachment with contra angle miniature handpiece, airtor attachment with miniature handpiece, dental operator stool (40% dental chairs shall be pedo chairs)	One chair and unit per post-graduate student and Two chairs with unit for the faculty		21	Adequate
		1 Unit	2 Units		
Pedo extraction forceps sets		3	4	10	Adequate
Autoclaves for bulk instrument sterilization vacuum (Front loading)		1	2	2	Adequate
RVG with intra oral x-ray unit		1	1	1	Adequate
Automatic developer		1	1	1	Adequate
Pulp tester		2	3	2	Adequate
Apex locator		1	1	2	Adequate
Rubber dam kit	One set per student	1	1	18	Adequate
Injectable GP condenser		1	1	1	Adequate
Endodontic pressure syringe		1	1	5	Adequate
Glass bead steriliser		2	4	2	Adequate
Spot welder		2	3	4	Adequate
Ultrasonic scalers		2	4	22	Adequate
Needle destroyer		1	1	3	Adequate
Formalin chamber		1	1	1	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
X-ray viewer		2	3	22	Adequate
Amalgamator		1	2	1	Adequate
Plaster dispenser		2	2	2	Adequate
Dental lathe		1	2	1	Adequate
Vibrator		2	3	1	Adequate
Typodonts	One set per student	1	1	1	Adequate
Soldering unit		1	1	4	Adequate
Band pinching beak pliers		2 Sets	2 Sets	5sets	Adequate
Proximal contouring pliers		2	3	4	Adequate
Crown crimping pliers		2	3	3	Adequate
Double beak pliers anterior and posterior		2	3	8	Adequate
Lab micro motor		2	3	2	Adequate
Acryliser		1	2	1	Adequate
Magnifying loupes		1	1	2	Adequate
Conscious sedation unit	Desirable	1	1	1	Adequate
Pulse oxymeter		1	1	1	Adequate
Phantom head table with attached Light, Airtor and micro motor	One set per each P.G. Student	1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	1	Adequate
LCD projector		1	1	1	Adequate
Refrigerator		1	1	4	Adequate

  
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 Nair Hospital Dental Collag



Department: Oral Medicine and Radiology

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	One chair and unit per post-graduate student and one chair with unit for the faculty		1+ in process	
RVG with intra oral radiography machine (FDA Approved)	55-70 Kvp with digital compatibility	1	1	1	Adequate
Extra oral radiography machine	100 kvp	1	1	1	Adequate
Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1	1	1	Adequate
Intra-oral camera		1	2	2	Adequate
Pulp tester		2	4	2	
Autoclave		1	1	1	Adequate
Punch biopsy tool		2	3	3	Adequate
Biopsy equipment		1	2	2	Adequate
Surgical trolley		2	2	2	Adequate
Emergency medicines kit		1	1	1	Adequate
Extra oral cassettes with intensifying screens (Conventional and rare earth)		4	6	6	Adequate
Lead screens		2	2	2	Adequate
Lead aprons		2	2	2	Adequate
Lead gloves		2	2	2	Adequate
Radiographic filters (Conventional and rare earth)		1	1	1	Adequate
Dark room with safe light facility		1	1	1	Adequate
Automatic radiographic film processors		2	2	2	Adequate
Radiographic film storage lead containers		1	1	1	Adequate
Thyroid collars		1	1	1	Adequate
Digital sphygmomanometer		1	1	1	Adequate
Digital blood glucose tester		1	1	1	Adequate
Digital camera		1	1	1	Adequate
X-ray viewer boxes		2	3	6	Adequate
Lacrimal probes		2 sets	2 Sets	2	Adequate
Sialography cannula		2 sets	2 Sets	2	Adequate
Illuminated mouth mirror and probe		2	2	2	Adequate
Computer with internet connection with attached printer and scanner		1	1	1	Adequate
LCD projector		1	1	1	Adequate
Refrigerator		1	1	1	Adequate

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Nair Hospital Dental Collage

Department: Public Health Dentistry

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
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		NA	NA
		1 Unit	2 Units	NA	NA
Extraction forceps		4 sets	6 sets	NA	NA
Drilling instruments		4 sets	6 sets	NA	NA
Scaling instruments	Supra gingival scaling	4 sets	6 sets	NA	NA
Amalgamator		1	1	NA	NA
Pulp tester		1	1	NA	NA
Autoclave		1	1	NA	NA
X-ray viewer		1	1	NA	NA
Instrument cabinet		1	1	NA	NA
LCD or DLP multimedia projector		1	1	NA	NA
Computer with internet connection with attached printer and scanner		1	1	NA	NA
<b>For peripheral dental care or field programme</b>				NA	NA
Staff bus		1	1	NA	NA
Mobile dental clinic fitted with at least 2 dental chairs with complete dental unit with fire extinguisher		1	1	NA	NA
Ultrasonic scaler,		1	2	NA	NA
Ultrasonic cleaner capacity 3.5 lts		1	1	NA	NA
Compressor	One with chair			NA	NA
Generator		1	1	NA	NA
Public address system, audio-visual aids		1	1	NA	NA
Television		1	1	NA	NA
Digital Versatile Disc Player		1	1	NA	NA
Instrument cabinet, emergency medicine kits, Blood pressure apparatus		1	1	NA	NA
Portable oxygen cylinder		1	1	NA	NA
Portable chair		1	1	NA	NA
Refrigerator		1	1	NA	NA

