

## EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: **Periodontology**

Name	Specification	Quantity		Available Quantity	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, 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
Scaling instrument sets		5	10	12	Adequate
Surgical instrument sets		3	6	6	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	4	Adequate
Ultrasonic scaler	Minimum capacity 13 litres with mesh bucket	1	2	2	Adequate
Electro surgical cautery		1	1	2	Adequate
Needle burner with syringe cutter		4	6	6	Adequate
LASER	Soft tissue laser	1	1	1	Adequate
Surgical motor with physio dispenser		1	1	2	Adequate



*D. D. G.*  
 DEAN  
 RANJEET DESHMUKH DENTAL  
 COLLEGE & RESEARCH CENTRE  
 Digdoh Hills, Hingna Road,  
 Nagpur-440019

## EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations,2007

Department: Oral &amp; Maxillofacial Surgery

## A) Exodontia

Name	Specification	Quantity		Available Quantity	Adequate/ Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, X-ray viewer, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction, Micromotor / Airotor	15	30	30	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C With minimum capacity of 20 liters	2	2	4	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket	1	2	2	Adequate
Needle Burner with Syringe Cutter		4	6	6	Adequate
Extraction forceps sets	Complete set	10	20	20	Adequate
Dental elevators	Complete set	5	10	10	Adequate
Minor Oral Surgery kits		3	6	6	Adequate
Emergency drugs tray		1	1	1	Adequate
Oxygen cylinder With mask		1	1	1	Adequate
X-ray viewers		2	2	6	Adequate
Computer	Minimum Pentium-IV	1	1	4	Adequate

## B) Minor Surgery

Name	Specification	Quantity		Available Quantity	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, 3way syringe, instrument tray Dental Operators stool and height adjustment and suction.	3	5	5	Adequate



DEAN  
 RANJEET DESHMUKH DENTAL  
 & RESEARCH CENTRE

Department: Orthodontics

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light 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	18	Adequate
Unit mount scaler		3	5	5	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	2	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 duey	2	4	4	Adequate
che		1	2	2	Adequate
X-ray viewers		2	2	2	Adequate
OPG with cephalostat	If available in radiology its is adequate	1	1	1	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	10	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



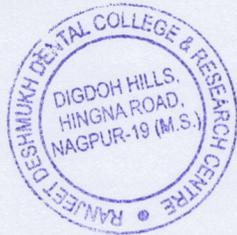
*Dg*  
 DEAN  
 RANJEET DESHMUKH DENTAL  
 COLLEGE & RESEARCH CENTRE  
 Digdoh Hills, Hingna Road,  
 Nagpur-440019

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power motorized evacuation system, Air rotor with miniature, Airrotor HPS, 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's stool with height adjustment (Pedo chair preferred)	10	20	20	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	2	2	Adequate
Needle Burner with syringe cutter		2	3	3	Adequate
Amalgamator		1	1	1	Adequate
Pulp Tester Digital		1	1	1	Adequate
Rubber dam kit for pedo		3	5	5	Adequate
Apex locator		1	1	1	Adequate
Endo motor	With torque control HPs	1	1	1	Adequate
Injectable gutta percha with condensation		1	1	1	Adequate
Radiovisiography	Digital intra X-ray system with pedo sensor and software	1	1	1	Adequate
Intra Oral Camera	With high resolution	1	1	1	Adequate
Scale instruments		5	10	10	Adequate
Restorative instruments		5	10	10	Adequate
Extraction forceps		5	10	10	Adequate
Intra-oral X-ray		1	1	1	Adequate
Automatic Developer		1	1	1	Adequate
Computer	Minimum Pentium – IV	1	1	1	Adequate
<b>PEDO LAB</b>					
Plaster dispenser	One each for plaster and stone plaster	2	2	2	Adequate
Model Trimmer	With diamond disc	1	1	1	Adequate
Model Trimmer	Double disc one diamond and one carborandam disc	1	1	1	Adequate
Welder with soldering attachments		1	1	1	Adequate
Vibrator		2	2	2	Adequate

Public address system		1	1		
-----------------------	--	---	---	--	--

TV and video cassette player		1	1		
Demonstration models		1	1		



*De*  
 DEAN  
 RANJEET DESHMUKH DENTAL  
 COLLEGE & RESEARCH CENTRE  
 Digdoh Hills, Hingna Road,  
 Nagpur-440019

## EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: **Public Health Dentistry**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 , Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light 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, airotor, light cure	8	16	16	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	2	
Needle burner with syringe cutter		2	4	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				
Dental chair with unit	Hydraulically operated with spittoon attachment, halogen light with 2 intensity, air ventury suction, airotor, micromotor, 3 way-scaler and light cure, x-ray viewer, instrument tray, operating stool	2		2	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	1	1	
Intraoral x-ray	Portable, 70 KV, 8 mA	1	1	1	
Glass bead sterilisers		1	1	1	
Compressor	1.25 HP	1	1	1	
Metal Cabinet	With wash basin	1	1	1	
Portable dental chair	Suitcase unit with airotor, micromotor, scaler and compressor 0.25 HP	2	2	2	
Stabiliser	4 KV	1	1	1	
Generator	4 KV	1	1	1	
Water tank	400 ltrs	1	1	1	
Oxygen cylinder		1	1	1	
Public address system		1	1	1	
TV and video cassette player		1	1	1	
Demonstration models		1	1	10	



Dg  
DEAN

DIGDOH HILLS DENTAL COLLEGE & RESEARCH CENTRE

## EQUIPMENT REQUIREMENTS

Department: Oral Pathology and Oral Microbiology

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	1	2	5	
Microscopes		20	40	52	
Microtome		1	1	1	
Wax bath		1	1	1	
Water bath		1	1	1	
Knife sharpener		1	1	1	
Hot plate		1	1	2	
Spencer Knife		1	1	3	



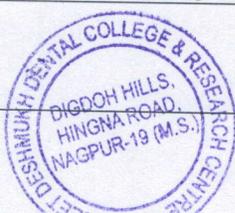
*De*  
DEAN  
RANJEET DESHMUKH DENTAL  
COLLEGE & RESEARCH CENTRE  
Digdoh Hills, Hingna Road,  
Nagpur-440019

## EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: **Oral Medicine and Radiology**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
	(Space allocation for each dental chair 100 Sq.Ft. in all the Departments)				
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	
Panoramic X-Ray with Cephalometric	Preferably digital	1	1	1	
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer	2	3	4	
Pulp testers	Digital			7	
Automatic periapical X-ray Developer		1	1	2	
Automatic Panoramic with Cephalometric X-ray Developer		1	1	1	
X-ray viewer	For Panoramic and Cephalometric films	2	2	10	
Radiovisiography	Digital Intra X-ray system with one Sensor and Software	1	1	1	
General X-ray Unit		1	1	--	
Ortho Pantmograph	Preferably digital	1	1	1	
Automatic Developers / Dark Room		1	2	2	
Lead aprons		2	2	5	
Lead Gloves		1	1	2	
X-ray Hangers		6	6	10	
X-ray Viewers		2	2	10	
Diagnostic Kits	Mouth mirror, dental probe, college tweezers	20	40	102,136,9	
Lead Screen		1	1	6	
Biopsy Kit		1	1	2	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	
Computers	Minimum Pentium - IV	1	1	10	
Intra Oral Camera	With High resolution	1	1	3	
Needle Burner With Syringe Cutter		2	2	2	



DEAN

## ANNEXURE - V

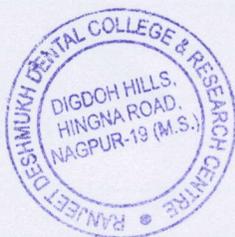
Department: Conservative Dentistry and Endodontics

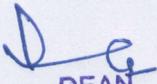
UG List- 2026

Name	Specification	Quantity		Available Quantity	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, 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	
Rubber dam kits		4	6	6	
Restorative instruments		5	10	10	
R.C.T. instrument kits		5	10	10	
Autoclave	Having wet and dry cycle, which can achieve 135 <sup>0</sup> C with minimum capacity of 20 liters	2	3	3	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	2	
Needle Burner with Syringe Cutter		3	4	4	
Amalgamator	With auto proportion, auto dispenser	2	3	3	
Rubber dam kits		4	6	6	
Pulp Tester Digital		2	4	4	
Apex locator		1	2	2	
Glass bead sterilizers		4	6	6	
Plaster dispenser		2	2	2	
Vibrator		1	2	2	
Ceramic Unit		1	1	1	
Casting machine		1	1	1	
Intra-oral X-ray Unit	Proper radiation safety	1	1	1	
Automatic Developer		1	1	1	
Radiovisiography	RVG with Computer	1	1	1	
Endo motor	With torque control Hps	1	1	1	
Bleaching Unit		1	1	1	
Magnification loops		1	2	2	
Injectable gutta percha		1	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 (not to use extracted or cadaver teeth).	30	60	60	

### Chemical Laboratory

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



  
 DEAN  
 RANJEET DESHMUKH DENTAL  
 COLLEGE & RESEARCH CENTRE  
 Digdoh Hills, Hingna Road,  
 Nagpur-440019

Department : Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Available Quantity	Adequate/ Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Lightwith2intensity,highpowerevacuationsystem, Air Ventury suction, X-ray viewer, Airrotor, Micro motor with straight and contrangle Handpiece, 3 waysyringe,Ultrasonic sealer with 3 tips,Lightcure unit, instrument tray and suction,DentalOperators stoolwithheightadjustment	17	34	34	Adequate
Semi-adjustable articulator	Withfacebow	2	2	2	2
Extraoral/intra oral tracer		2	2	2	2
Dewaxingunit		1	2	2	Adequate
Curingunit		1	2	2	Adequate
Dental casting machine		1	1	1	Adequate
Wax burnout furnace		1	1	1	Adequate
Pre heating furnace		1	1	1	Adequate
Surveying unit		1	2	2	Adequate
Heavy duty hand piece	Lab micromotors	3	4	4	Adequate
Autoclave	Havingwetanddrycycle,whichcanachieve135 <sup>0</sup> C withminimumcapacityof20 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	Adequate
Model Trimmer with Carborandum disc		1	1	1	Adequate
Model Trimmer with diamond disc		1	2	2	Adequate
Acryliser		2	3	3	Adequate
Lathe		1	2	2	Adequate
Flask press		4	4	4	Adequate
Deflasking unit		4	4	4	Adequate
Dewaxing unit		2	3	3	Adequate
Hydraulic Press		2	3	3	Adequate
Mechanical Press		1	2	2	Adequate
Vacuum mixing machine		1	1	1	Adequate
Lab Micromotor	With heavy duty hand piece	3	4	4	Adequate
Curing pressure pot		1	1	1	Adequate
Porcelain furnace		1	2	2	Adequate
Vibrator		1	2	2	Adequate
Sandblasting unit		2	2	2	Adequate
Ultrasonic cleaner		1	2	2	Adequate

Hot water sterilizer		1	2	2	Adequate
Geyser	Compound bath	1	2	2	Adequate
H.P.grinder with suction		2	3	3	Adequate
Heavyduty lathe		2	2	2	Adequate
Phantom heads		50	50	50	Adequate
Pre-clinical workingtables	Gas connection & Bunsen burner	50	100	100	Adequate

### Ceramic and Cast Partial Laboratory

Name	Specification	Quantity		Available Quantity	Adequate/ Inadequate
		50 Intake	100 Intake		
Plaster dispenser	One each for plaster and stone plaster	2	2	2	Adequate
Duplicator		1	1	1	Adequate
Pindex System		1	1	1	Adequate
Circular saw		1	1	1	Adequate
Burn out furnace		1	1	1	Adequate
Sandblasting Machine	With two containers	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	Adequate
Induction casting machine		1	1	1	Adequate
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	Adequate
Vacuum mixing machine		1	1	1	Adequate
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	Adequate
Milling machine		1	1	-	-
Heavy duty lathe with suction		1	1	1	Adequate
Preheating furnace		1	1	1	Adequate
Palatal trimmer		1	1	1	Adequate
Ultrasonic cleaner	5literscapacity	1	1	1	Adequate
Composite curing unit		1	1	1	Adequate
Micro surveyor		1	1	1	Adequate
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	60	60	Adequate
		10	20	20	Adequate
Plaster room for pre-clinical work					
Plaster dispenser	One each for plaster and stone	2	2	2	Adequate
Vibrator		2	2	2	Adequate
Lathe		2	2	2	Adequate
Model Trimmer		1	1	1	Adequate
Carborandum Disc		1	1	1	Adequate
Diamond disc		1	1	1	Adequate



  
 DEAN  
 RANJEET DESHMUKH DENTAL  
 COLLEGE & RESEARCH CENTRE

## EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

Department : Prosthodontics and Crown & Bridge

Name	Specification	Quantity		Available Quantity	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		20	Adequate
		6	12	12	Adequate
Articulators—semi adjustable/adjustable With face bow		2	4	4	Adequate
Micromotor— (Lab Type can also be attached (fixed)to wall		2	2	2	Adequate
Ultrasonic scaler		2	2	2	Adequate
Light cures		2	2	2	Adequate
Hot air oven		1	1	1	Adequate
Autoclave		2	2	2	Adequate
Surveyor		2	2	2	Adequate
Refrigerator		1	1	1	Adequate
X-ray viewer		1	2	2	Adequate
Pneumatic, Crown bridge remover		2	3	3	Adequate
Needle destroyer		1	2	2	Adequate
Intraoral 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	Adequate
Model trimmer with carborandum Disc		1	2	2	Adequate
Model trimmer with diamond disc		1	2	2	Adequate
High speed lathe		2	3	3	Adequate
Vibrator		2	4	4	Adequate
Acrylizer		1	2	2	Adequate
Dewaxing unit		1	2	2	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	3	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	Adequate
Sandblaster	Micro and macro	1	1	1	Adequate
Electro -polisher		1	1	1	Adequate

				1	Adequate
		1	1	1	Adequate
Model trimmer with diamond disc		1	1	1	Adequate
Model trimmer with double disc (one Carborandum and one Diamond disc)		1	1	1	Adequate
Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	1	1	Adequate
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	Adequate
Steam cleaner		1	1	1	Adequate
Vacuum mixing machine		1	1	1	Adequate
Spindle grinder 24,000RPM with vacuum suction		2	3	3	Adequate
Wax heater		2	3	3	Adequate
Wax carvers (Full PKT Set)		1	1	1	Adequate
Milling machine		1	1	1	Adequate
Stereo microscope		1	1	1	Adequate
Magnifying work lamp		1	1	1	Adequate
Heavy duty lathe with suction		1	1	1	Adequate
Preheating furnace		1	1	1	Adequate
Dry model trimmer		1	2	2	Adequate
Die cutting machine		1	1	1	Adequate
Ultra sonic cleaner		1	1	1	Adequate
Composite curing unit					
<b>Ceramic Lab Equipment</b>					
Fully programmable porcelain furnace with Vacuum pump		1	1	1	Adequate
Ceramic kit (instruments)		3	3	3	Adequate
<del>Ceramic materials (kit)</del>		<del>1</del>	<del>1</del>	<del>1</del>	<del>Adequate</del>
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	2	Adequate
X-ray viewer		1	2	2	Adequate
Needle destroyer		1	1	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	2	Adequate
Educating models		1	1	1	Adequate
Implant removing instruments		1	1	1	Adequate



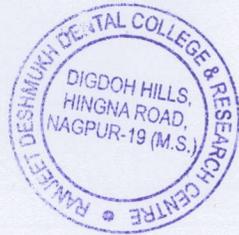
De  
DEAN

Department: Periodontology

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
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		23	Adequate
		1 Unit	2 Units		
Auto clave (fully automatic) front loading		1	2	3	Adequate
Steel bin		4	6	6	Adequate
Airoter hand pieces		2	2	9	Adequate
UV chamber		1	1	2	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	2	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	6	Adequate
Surgery trolleys		6	6	12	Adequate
X ray viewer		1	2	5	Adequate
Surgical cassette with sterilisation pouches		4	6	6	Adequate
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	1	Adequate
Kranekaplan pocket marker	set	1	1	6	Adequate
Mc Calls universal curettes	set	1	1	2	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	4	Adequate
Oschenbein chisel	straight, curved	1	1	1	Adequate
Schluger bone file		1	1	2	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	2	Adequate
Root conditioning agent	At least two different agents	2	2	2	Adequate
Micro needle holder		1	1	4	Adequate
Micro scissors		1	1	2	Adequate
Magnifying loop (2.5 – 3.5)		1	2	2	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	1	
Bone graft./ membrane placement spoon		1	1	3	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	2	Adequate
<b>Miscellaneous Instruments</b>					
Composite gun with material kit		1	1	2	Adequate
Splinting kit with material		2	3	10	Adequate
Composite finishing kit		1	1	1	Adequate
Glass Ionomer cement		1	1	1	Adequate
Digital camera		1	1	2	Adequate
Intra Oral camera		1	1	1	Adequate
Ultrasonic cleaner		1	1	2	Adequate
Emergency kit		1	1	1	Adequate
Refrigerator		1	1	1	Adequate
X-ray viewer		2	2	5	Adequate
LCD projector		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	3	Adequate
<b>Implant Equipment</b>					
Electrical dental chair and unit		1	1	2	Adequate
Physio dispenser		1	1	2	Adequate
Implant kit	At least two different systems	2	2	3	Adequate
Implants		10	10	10	Adequate
Implant maintenance kit (plastic instruments)		1set	1set	1	Adequate
Implant guide		1	1	1	Adequate
X-ray viewer		1	2	5	Adequate
Needle destroyer		1	2	3	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	6	Adequate
Surgical kit		1	1	1	Adequate

Educating models		1	1	1	Adequate
Implant removing kit		1	1	1	Adequate



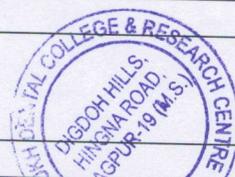
*De*  
DEAN  
RANJEET DESHMUKH DENTAL  
COLLEGE & RESEARCH CENTRE  
Digdoh Hills, Hingna Road,  
Nagpur-440019

## EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

Department: **Oral & Maxillofacial Surgery**

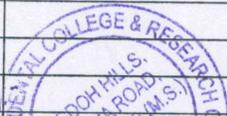
Name	Specification	Quantity		Available Quantity	Adequate/ Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and high otorized suction, with micromotor and Micromotor attachment	One chair and unit per post-graduate student and Two chairs with unit for the faculty		18	Adequate
Autoclave	Front loading	2	3	6	Adequate
Fumigators		1	1	1	Adequate
Oscillating saw	With all hand pieces	1	1	2	Adequate
<b>Surgical Instruments</b>					
General surgery kit including tracheotomy kit		2	2	2	Adequate
Minor oral surgery kit		5	10	10	Adequate
Osteotomy kit		1	1	1	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	1	Adequate
Implantology kit	Minimum 2	2	2	2	Adequate
With implants	systems	10	10	10	Adequate
Distraction osteogenesis kit		1	1	1	Adequate
Peizosurgical unit		1	1	1	Adequate
Magnifying loops		1	1	2	Adequate
Operating microscope and Micro surgery kit	desirable	1	1	Medical OT	Adequate
Dermatomes		1	1	1	Adequate
Needle destroyer		2	3	5	Adequate
Ultrasonic Cleaner capacity 3.5 lts		1	1	4	Adequate
Formalin chamber		1	1	1	Adequate
Pulseoxy meter		1	1	1	Adequate
Ventilator		1	1	Shared in medical college	Adequate
Major operation theatre with all facilities		1	1	Shared in medical college	Adequate
Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds	11	Adequate
Fiber optic light		1	1	1	Adequate
Inpatient beds		20	20	11	Adequate
Fiber optic laryngoscope		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	5	Adequate
LCD projector		1	1	1	Adequate



### EQUIPMENT REQUIREMENTS

Department: Oral & Maxillofacial Pathology and Oral Microbiology

Name	Specification	Quantity		Available Quantity	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	5	
Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available			Available	
Adequate tissue capsules / tissue embedding cassettes	Reasonable quantity should be made available			25	
Paraffin wax bath	thermostatically controlled	1	1	1	
Leuckhart pieces		10	10	10	
Block holders		25	25	25	
Microtome	Manual	1	1	1	
Microtome	semi – automated	1	1	1	
Tissue floatation water bath	thermostatically controlled	1	1	1	
Slide warming table		1	1	1	
Steel slide racks for staining		5	5	5	
Diamond glass marker		2	2	2	
Research microscope with phase contrast, dark field, polarization, image analyzer, photomicrography attachments		1	1	1	
Multi head microscope	Penta headed	1	1	1	
Binocular compound microscope		2 for faculty and one per student	4 for faculty and one per student	10	
Stereo microscope		1	1	1	
Aluminum slide trays		5	5	45	
Wooden / plastic slide boxes		5	5	5	
Wax block storing cabinet		5,000 capacity	10,000 capacity	5,000 capacity	
Slide storing cabinet		5,000 capacity	10,000 capacity	10,000 capacity	
Refrigerator		1	1	2	
Pipettes		5	5	5	
Surgical kit for biopsy		3	6	3	
Immuno histo chemistry lab		1	1	1	
Computer with Internet Connection with attached printer and scanner		1	1	Internet Connection – 4 With attached Printer - 3	
LCD projector		1	1	2	
<b>Desirable Equipment</b>					
Cryostat		1	1	-	
Fluorescent microscope		1	1	1	
Hard tissue microtome		1	1	-	
Tissue storing cabinet (frozen)		1	1	-	



  
 DEAN

## EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

Department: **Oral Medicine and Radiology**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
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		17	
		1 Unit	2 Units		
RVG with intra oral radiography machine (FDA Approved)	55-70 Kvp with digital compatibility	1	1	1	
Extra oral radiography machine	100 kvp	1	1	--	
Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1	1	1	
Intra-oral camera		1	2	3	
Pulp tester		2	4	7	
Autoclave		1	1	4	
Punch biopsy tool		2	3	2	
Biopsy equipment		1	2	2	
Surgical trolley		2	2	7	
Emergency medicines kit		1	1	1	
Extra oral cassettes with intensifying screens (Conventional and rare earth)		4	6	4	
Lead screens		2	2	6	
Lead aprons		2	2	5	
Lead gloves		2	2	2	
Radiographic filters (Conventional and rare earth)		1	1	1	
Dark room with safe light facility		1	1	1	
Automatic radiographic film processors		2	2	2	
Radiographic film storage lead containers		1	1	1	
Thyroid collars		1	1	1	
Digital sphygmomanometer		1	1	1	
Digital blood glucose tester		1	1	1	
Digital camera		1	1	1	
X-ray viewer boxes		2	3	10	
Lacrimal probes		2 sets	2 Sets	14	
Sialography cannula		2 sets	2 Sets	2	
Illuminated mouth mirror and probe		2	2	5	
Computer with internet connection with attached printer and scanner		1	1	1	
LCD projector		1	1	2	
Refrigerator		1	1	1	

Data verified by the Committee Members:

Member of LIC

Member of LIC

Member of LIC

Chairman of LIC



*[Signature]*  
DEAN

## ANNEXURE - V

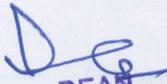
## Department: Conservative Dentistry and Endodontics

## PG List 2026

Name	Specification	Quantity		Available Quantity	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		22	
		1 Unit	2 Units		
ULTRASONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3	3	
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3	6	6	
Rubber dam kit		1 per chair	1 per chair	18	
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	3	
Autoclaves for hand piece sterilization		1	1	1	
Apex locators one for every two chairs		2	4	4	
Pulp tester		2	4	4	
Equipments for injectable thermoplasticized gutta percha		1	2	2	
Operating microscopes 3 step or 5 step magnification		1	1	1	
Surgical endo kits (Microsurgery)		2	2	2	
Set of hand instruments (specifications required)		1	2	2	
Sterilizer trays for autoclave		4	4	4	
Ultrasonic cleaner capacity 3.5 lts		1	1	1	
Variable Intensity polymerization equipments - VLC units	Desirable	1	1	1	
Conventional VLC units one for every two chairs		2	4	4	
Needle destroyer		2	2	2	
Magnifying loupes one for students and one for faculty		1	2	2	
LCD projector		1	1	1	
Composite kits with different shades and polishing kits		2	4	4	
Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	3	

Amalgam finishing kits	2	3	3	
RVG with x-ray machine developing kit	1	1	1	
Chair side micro abrasion	1	1	1	
Bleaching unit	1	1	1	
Instrument retrieval kits	1	1	1	
Computer with internet connection with attached printer and scanner	1	1	1	
Refrigerator	1	1	1	
Equipments for casting procedures				
Equipments for ceramics including induction casting machines/ burnout preheat furnaces/ wax elimination furnaces	1	1	1	
Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments	1	1	1	
Laser (preferably hard tissue)	1	1	1	
Face bow with semi adjustable articulator	1	2	2	

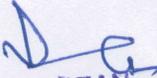


  
 DEAN  
 RANJEET DESHMUKH DENTAL  
 COLLEGE & RESEARCH CENTRE  
 Digdoh Hills, Hingna Road,  
 Nagpur-440019

Department: Orthodontics and Dentofacial Orthopedics

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and motorized suction	One chair & unit per PG student and Two chairs with unit for the faculty		12	
		1 Unit	2 Units	2 Units	
Vacuum /pressure moulding unit		1	1	1	Adequate
Hydrogen soldering unit		1	1	1	Adequate
Lab micromotor		3	5	5	Adequate
Spot welders		3	5	5	Adequate
Model trimmer (Double disc)		2	3	3	Adequate
Light curing unit		2	2	2	Adequate
High intensity light curing unit		1	2	2	Adequate
Polishing lathes		2	3	3	Adequate
Tracing tables		3	5	5	Adequate
SLR digital camera		1	1	1	Adequate
Scanner with transparency adapter		1	1	1	Adequate
X-ray viewer		3	4	4	Adequate
LCD projector		1	1	1	Adequate
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	1	Adequate
Needle destroyer		1	1	1	Adequate
Dry heat sterilizer		1	1	1	Adequate
Ultrasonic scaler		1	1	1	Adequate
Sets of Orthodontic pliers		3	3	3	Adequate
Orthodontic impression trays		3	5	5	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
Electropolisher		1	1	1	Adequate
Typodonts with full teeth set		3	3	3	Adequate
Anatomical articulator with face bow attachments		1	1	1	Adequate
Free plane articulators		1	1	1	Adequate
Hinge articulators		4	4	4	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



  
 DEAN  
 RANJEET DESHMUKH DENTAL  
 COLLEGE & RESEARCH CENTRE  
 Digdoh Hills, Hingna Road,  
 Nagpur-440019

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, and motorised suction, student and 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		20	Adequate
		1 Unit	2 Units		
Pedo extraction forceps sets		3	4	3	Adequate
Autoclaves for bulk instrument sterilization vacuum (Front loading)		1	2	1	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	1	Adequate
Rubber dam kit	One set per student	1	1	1	Adequate
Injectable GP condenser		1	1	1	Adequate
Endodontic pressure syringe		1	1	1	Adequate
Glass bead steriliser		2	4	2	Adequate
Spot welder		2	3	2	Adequate
Ultrasonic scalers		2	4	2	Adequate
Needle destroyer		1	1	1	Adequate
Formalin chamber		1	1	1	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
X-ray viewer		2	3	2	Adequate
Amalgamator		1	2	1	Adequate
Plaster dispenser		2	2	2	Adequate
Dental lathe		1	2	1	Adequate
Vibrator		2	3	2	Adequate
Typodonts	One set per student	1	1	1	Adequate
Soldering unit		1	1	1	Adequate
Band pinching beak pliers		2 Sets	2 Sets	2Sets	Adequate
Proximal contouring pliers		2	3	2	

Crown crimping pliers		2	3	2	Adequate
Double beak pliers anterior and posterior		2	3	2	Adequate
Lab micro motor		2	3	2	Adequate
Acryliser		1	2	1	Adequate
Magnifying loupes		1	1	1	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	3	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



*R.D.*  
DEAN  
RANJEET DESHMUKH DENTAL  
COLLEGE & RESEARCH CENTRE  
Digdoh Hills, Hingna Road,  
Nagpur-440019