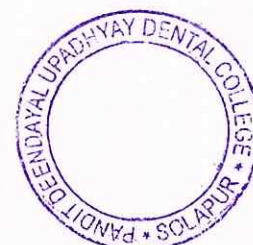


## EQUIPMENT REQUIREMENTS

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)				
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		12	Yes	12
Panoramic X-Ray with Cephalometric	Preferably digital		1	Yes	1
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer		3	Yes	3
Pulp testers	Digital			Yes	
Automatic periapical X-ray Developer			1	Yes	1
Automatic Panoramic with Cephalometric X-ray Developer			1	NO	No
X-ray viewer	For Panoramic and Cephalometric films		2	Yes	2
Radiovisiography	Digital Intra X-ray system with one Sensor and Software		1	Yes	1
General X-ray Unit			1	Yes	1
Ortho Pantmograph	Preferably digital		1	Yes	1
Automatic Developers / Dark Room			2	Yes	2
Lead aprons			2	Yes	2
Lead Gloves			1	Yes	1
X-ray Hangers			6	Yes	6
X-ray Viewers			2	Yes	2
Diagnostic Kits	Mouth mirror, dental probe, college tweezers		40	Yes	40
Lead Screen			1	Yes	1
Biopsy Kit			1	Yes	1
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	2
Computers	Minimum Pentium – IV		1	Yes	1
Intra Oral Camera	With High resolution		1	Yes	1
Needle Burner with Syringe Cutter			2	Yes	2

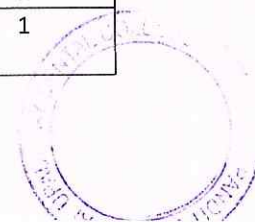


Department: Oral Pathology and Oral Microbiology

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		2	Yes	2
Microscopes			40	Yes	40
Microtome			1	Yes	1
Wax bath			1	Yes	1
Water bath			1	Yes	1
Knife sharpener			1	Yes	1
Hot plate			1	Yes	1
Spencer Knife			1	Yes	1

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, 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, airtor, light cure		16	Yes	16
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	2
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer		2	Yes	2
Needle burner with syringe cutter			4	Yes	4
MOBILE CLINIC				Yes	
Mobile dental van	Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 people			Yes	
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			Yes	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		1	Yes	1
Intraoral x-ray	Portable, 70 KV, 8 mA		1	Yes	1
Glass bead sterilisers			1	Yes	1
Compressor	1.25 HP		1	Yes	1
Metal Cabinet	With wash basin		1	Yes	1
Portabledental chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP		2	Yes	2
Stabiliser	4 KV		1	Yes	1
Generator	4 KV		1	Yes	1
Water tank	400 ltrs		1	Yes	1
Oxygen cylinder			1	Yes	1
Publicaddress system			1	Yes	1





TV and video cassette player			1	1	Adequate
Demonstration models			1	1	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, 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)		20	Yes	20
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	2
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer		2	Yes	2
Needle Burner With syringe cutter			3	Yes	3
Amalgamator			1	Yes	1
Pulp Tester Digital			1	Yes	1
Rubber dam kit for pedo			5	Yes	5
Apex locator			1	Yes	1
Endo motor	With torque control HPs		1	Yes	1
Injectable gutta percha with condensation			1	Yes	1
Radiovisiography	Digital intra X-ray system with pedo sensor and software		1	Yes	1
Intra Oral Camera	With high resolution		1	Yes	1
Scale instruments			10	Yes	10
Restorative instruments			10	Yes	10
Extraction forceps			10	Yes	10
Intra-oral X-ray			1	Yes	1
Automatic Developer			1	Yes	1
Computer	Minimum Pentium – IV		1	Yes	1
<b>PEDO LAB</b>					
Plaster dispenser	One each for plaster and stone plaster		2	Yes	2
Model Trimmer	With diamond disc		1	Yes	1
Model Trimmer	Double disc one diamond and one carborandam disc		1	Yes	1
Welder with soldering attachments			1	Yes	1
Vibrator			2	Yes	2
Lab micro motor	Heavy duty with Hps		3	Yes	3
Dental Lathe			1	Yes	1
Model Trimmer			1	Yes	1

Steam cleaner			1	Yes	1
Pressure moulding Machine			1	Yes	1
Carborandum Disc			1	Yes	1
Diamond disc			1	Yes	1

Department: Orthodontics

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, micromotor control light cure 3 way syringe, X-ray viewer, instrument tray Dental Operators stool with height adjustment		18	Yes	18
Unit mount scaler			5	Yes	5
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	2
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer		2	Yes	2
ORTHO LAB				Yes	
Plaster dispenser	One each for plaster and stone plaster		2	Yes	2
Vibrator			2	Yes	2
Model Trimmer			2	Yes	2
Micromotor	Heavy duey		4	Yes	4
Lathe			2	Yes	2
X-ray viewers			2	Yes	2
OPG with cephalostat	If available in radiology its is adequate		1	Yes	1
Welders			4	Yes	4
Blue Torch			1	Yes	1
Base Formers			4	Yes	4
Typodont			4	Yes	4
Set of pliers			10	Yes	10
Welder with soldering attachments			1	Yes	1
Hydro solder			1	Yes	1
Typhodont articulator	With metal teeth wax rim of Class I, II, III		4	Yes	4
Pressure moulding machine			1	Yes	1

Department: **Periodontology**

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, with shadowless lamp, spittoon, 3 way syringe, Ultrasonic sealer with 3 tips, X-ray viewer, instrument tray Dental Operators stool with height adjustment		34	Yes	34
Scaling instrument sets			10	Yes	10
Surgical instrument sets			6	Yes	6
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		3	Yes	3
Ultrasonic scaler	Minimum capacity 13 liters with mesh bucket		2	Yes	2
Electrosurgical Cautery			1	Yes	1
Needle burner With syringe cutter			6	Yes	6
LASER	Soft tissue laser		1	Yes	1
Surgical motor With physio dispenser			1	Yes	1

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, 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		34	Yes	34
Rubber dam kits			6	Yes	6
Restorative instruments kits			10	Yes	10
R.C.T. instrument kits			10	Yes	10
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		3	Yes	3
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket		2	Yes	2
NeedleBurner With Syringe Cutter			4	Yes	4
Amalgamator	With auto proportion, auto dispenser		3	Yes	3
Rubber dam kits			6	Yes	6
Pulp Tester Digital			4	Yes	4
Apex locator			2	Yes	2
Glass bead			6	Yes	6



sterilizers				Yes	
Plaster dispenser			2	Yes	2
Vibrator			2	Yes	2
Ceramic Unit			1	Yes	1
Casting machine			1	Yes	1
Intra-oral X-ray Unit	Proper radiation safety		1	Yes	1
Automatic Developer			1	Yes	1
Radiovisiography	RVG with Computer		1	Yes	1
Endo motor	With torque control Hps		1	Yes	1
Bleaching Unit			1	Yes	1
Magnification loops			2	Yes	2
Injectabl gutta percha			2	Yes	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 ivory teeth, preferably soft gingival, dental operator's stool ( <u>not to use extracted or cadaver teeth</u> ).		60	Yes	60

### 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	Yes	2
Model Trimmer	Carborandum disc		1	Yes	1
	Diamond disc		1	Yes	1
Lathe	Heavy Duty		2	Yes	2
Lab Micromotor	With heavy duty handpiece		3	Yes	3
Ultrasonic cleaner	Minimum capacity 5 litres		1	Yes	1
Spindle Grinder			1	Yes	1
Vibrator			2	Yes	2
Burnout furnace			1	Yes	1
Porcelain furnace			1	Yes	1
Sandblasting Machine			1	Yes	1
Lab Airotor			1	Yes	1
Pindex System			1	Yes	1
Circular saw			1	Yes	1
Vacuum mixer			1	Yes	1
Pnematic chisel			1	Yes	1
Casting machine	Motor cast / induction casting preferred		1	Yes	1

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-ray viewer, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction, Micromotor / Airotor		30	Yes	30
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	2
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket		2	Yes	2
Needle Burner with Syringe Cutter			6	Yes	6
Extraction forceps sets	Complete set		20	Yes	20
Dental elevators	Complete set		10	Yes	10
Minor Oral Surgery kits			6	Yes	6
Emergency drugs tray			1	Yes	1
Oxygen cylinder with mask			1	Yes	1
X-ray viewers			2	Yes	2
Computer	Minimum Pentium – IV		1	Yes	1

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 Dental Operators stool and height adjustment and suction.		5	Yes	5

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		34	Yes	34
Semi-adjustable articulator	With face bow		2	Yes	2
Extra oral / intra oral tracer			2	Yes	2
Dewaxing unit			2	Yes	2
Curing unit			2	Yes	2

Dentalcasting machine			1	Yes	1
Wax burnout Furnace			1	Yes	1
Preheating furnace			1	Yes	1
Surveying unit			2	Yes	2
Heavy duty hand Piece	Lab micromotors		4	Yes	4
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	2
NeedleBurner With Syringe Cutter			2	Yes	2
Plaster dispenser	One each for plaster and stone plaster		2	Yes	2
ModelTrimmer with carborandum Disc			1	Yes	1
Model Trimmer with diamond Disc			2	Yes	2
Acryliser			3	Yes	3
Lathe			2	Yes	2
Flask press			4	Yes	4
Deflasking unit			4	Yes	4
Dewaxing unit			3	Yes	3
Hydraulic Press			3	Yes	3
Mechanical Press			2	Yes	2
Vacuum mixing machine			1	Yes	1
Lab Micro motor	With heavy duty handpiece		4	Yes	4
Curing pressure Pot			1	Yes	1
Porcelain furnace			2	Yes	2
Vibrator			2	Yes	2
Sandblasting unit			2	Yes	2
Ultrasonic cleaner			2	Yes	2
Model Trimmer			4	Yes	4
Hot water sterilizer			2	Yes	2
Geyser	Compound bath		2	Yes	2
H.P. grinder with suction			3	Yes	3
Heavy duty lathe			2	Yes	2
Phantom heads			50	Yes	50
Pre-clinical working tables	Gas connection & Bunsen burner		100	Yes	100

#### 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	Yes	34
Duplicator			1	Yes	2



Pindex System			1	Yes	2
Circular saw			1	Yes	2
Burnout furnace			1	Yes	2
Sandblasting Machine	With two containers		1	Yes	1
Electro polisher			1	Yes	1
Model Trimmer with Carborandum disc			1	Yes	1
Model Trimmer with diamond disc			1	Yes	2
Induction casting machine			1	Yes	4
Programmable porcelain furnace with vacuum pump with instrument kit and material kit			1	Yes	2
Spot welder with soldering attachment of cable			1	Yes	2
Vacuum mixing machine			1	Yes	2
Steam Cleaner			1	Yes	1
Spindle Grinder 24000 rpm with vacuum suction			1	Yes	2
Wax heater			1	Yes	3
Wax carver			1	Yes	2
Curing pressure pot			1	Yes	4
Milling machine			1	Yes	4
Heavy duty lathe with suction			1	Yes	3
Preheating furnace			1	Yes	3
Palatal trimmer			1	Yes	2
Ultrasonic cleaner	5 liters capacity		1	Yes	1
Composite curing unit			1	Yes	4
Micro surveyor			1	Yes	1
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.		60 20	Yes	2
Plaster room for pre-clinical work				Yes	2
Plaster dispenser	One each for plaster and stone		2	Yes	2
Vibrator			2	Yes	2
Lathe			2	Yes	4
Model Trimmer			1	Yes	2
Carborandum Disc			1	Yes	2
Diamond disc			1	Yes	3
					2

As per MDS Course Regulations, 2017

## EQUIPMENT REQUIREMENTS

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			
		1 Unit	2 Units	Yes	1 Unit
Articulators – semi adjustable/ adjustable with face bow		6		Yes	6
Micromotor – (Lab Type can also be attached (fixed) to wall		2		Yes	2
Ultrasonic scaler		2		Yes	2
Light cures		2		Yes	2
Hot air oven		1		Yes	1
Autoclave		2		Yes	2
Surveyor		2		Yes	2
Refrigerator		1		Yes	1
X-ray viewer		1		Yes	1
Pneumatic, Crown bridge remover		2		Yes	2
Needle destroyer		1		Yes	1
Intra oral camera		1		Yes	1
Digital SLR camera		1		Yes	1
Computer with internet connection with attached printer and scanner		1		Yes	1
LCD projector		1		Yes	1
<b>Clinical Lab for Prosthetics</b>					
Plaster dispenser		2		Yes	2
Model trimmer with carborandum Disc		1		Yes	1
Model trimmer with diamond disc		1		Yes	1
High speed lathe		2		Yes	2
Vibrator		2		Yes	2
Acrylizer		1		Yes	1
Dewaxing unit		1		Yes	1
Hydraulic press		1		Yes	1
Mechanical press		1		Yes	1
Vacuum mixing machine		1		Yes	1
Micro motor lab type		2		Yes	2
Curing pressure pot		1		Yes	1
Pressure molding machine		1		Yes	1
<b>Chrome – Cobalt Lab Equipment</b>					
Duplicator		1		Yes	1
Pindex system		1		Yes	1
Burn-out furnace		1		Yes	1
Welder		1		Yes	1

Sandblaster	Micro and macro	1		Yes	1
Electro – polisher		1		Yes	1
Model trimmer with carborandum disc		1		Yes	1



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



Department: Periodontology

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



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



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			
		1 Unit	2 Units	Yes	1 Unit
ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2		Yes	2
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3		Yes	3
Rubber dam kit		1 per chair		Yes	1 per chair
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2		Yes	2
Autoclaves for hand piece sterilization		1		Yes	1
Apex locators one for every two chairs		2		Yes	2
Pulp tester		2		Yes	2
Equipments for injectable thermoplasticized gutta percha		1		Yes	1
Operating microscopes 3 step or 5 step magnification		1		Yes	1
Surgical endo kits (Microsurgery)		2		Yes	2
Set of hand instruments (specifications required)		1		Yes	1
Sterilizer trays for autoclave		4		Yes	4
Ultrasonic cleaner capacity 3.5 lts		1		Yes	1
Variable Intensity polymerization equipments - VLC units	Desirable	1		Yes	1
Conventional VLC units one for every two chairs		2		Yes	2
Needle destroyer		2		Yes	2
Magnifying loupes one for students and one for faculty		1		Yes	1
LCD projector		1		Yes	1
Composite kits with different shades and polishing kits		2		Yes	2
Ceramic finishing kits, metal finishing kits	In ceramic labs	2		Yes	2
Amalgam finishing kits		2		Yes	2
RVG with x-ray machine developing kit		1		Yes	1
Chair side micro abrasion		1		Yes	1
Bleaching unit		1		Yes	1
Instrument retrieval kits		1		Yes	1
Computer with internet connection with attached printer and scanner		1		Yes	1
		1		Yes	1



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

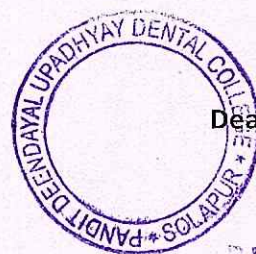
Department: **Orthodontics and Dentofacial Orthopedics**

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 motorized suction	One chair & unit per PG student and Two chairs with unit for the faculty			
		1 Unit	2 Units		1 Unit
Vacuum /pressure moulding unit		1		Yes	1
Hydrogen soldering unit		1		Yes	1
Lab micromotor		3		Yes	3
Spot welders		3		Yes	3
Model trimmer (Double disc)		2		Yes	2
Light curing unit		2		Yes	2
High intensity light curing unit		1		Yes	1
Polishing lathes		2		Yes	2
Tracing tables		3		Yes	3
SLR digital camera		1		Yes	1
Scanner with transparency adapter		1		Yes	1
X-ray viewer		3		Yes	3
LCD projector		1		Yes	1
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1		Yes	1
Needle destroyer		1		Yes	1
Dry heat sterilizer		1		Yes	1
Ultrasonic scaler		1		Yes	1
Sets of Orthodontic pliers		3		Yes	3
Orthodontic impression trays		3		Yes	3
Ultrasonic cleaner capacity 3.5 lts		1		Yes	1
Electropolisher		1		Yes	1
Typodonts with full teeth set		3		Yes	3
Anatomical articulator with face bow attachments		1		Yes	1
Free plane articulators		1		Yes	1
Hinge articulators		4		Yes	4
Computer software for cephalometrics		1		Yes	1
Computer with internet connection with attached printer and scanner		1		Yes	1
Refrigerator		1		Yes	1



Department: Oral Medicine and Radiology

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 suction	One chair and unit per post-graduate student and one chair with unit for the Faculty			
		1 Unit	2 Units		1 Unit
RVG with intra oral radiography machine (FDA Approved)	55-70 Kvp with digital Compatibility	1		Yes	1
Extra oral radiography machine	100 kvp	1		Yes	1
Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1		Yes	1
Intra-oral camera		1		Yes	1
Pulp tester		2		Yes	2
Autoclave		1		Yes	1
Punch biopsy tool		2		Yes	2
Biopsy equipment		1		Yes	1
Surgical trolley		2		Yes	2
Emergency medicines kit		1		Yes	1
Extra oral cassettes with intensifying screens (Conventional and rare earth)		4		Yes	4
Lead screens		2		Yes	2
Lead aprons		2		Yes	2
Lead gloves		2		Yes	2
Radiographic filters (Conventional and rare earth)		1		Yes	1
Dark room with safe light facility		1		Yes	1
Automatic radiographic film processors		2		Yes	2
Radiographic film storage lead containers		1		Yes	1
Thyroid collars		1		Yes	1
Digital sphygmomanometer		1		Yes	1
Digital blood glucose tester		1		Yes	1
Digital camera		1		Yes	1
X-ray viewer boxes		2		Yes	2
Lacrimal probes		2 sets		Yes	2 sets
Sialography cannula		2 sets		Yes	2 sets
Illuminated mouth mirror and probe		2		Yes	2
Computer with internet connection with attached printer and scanner		1		Yes	1
LCD projector		1		Yes	1
Refrigerator		1		Yes	1



Dean / Principal Stamp & Signature

Dr. BIRANGANE R.S.  
PRINCIPAL

P.D.U. Dental College, Solapur