

4.2.1 The list of facilities available for patient care, teaching learning & research

Facilities for Patient Care:

Special Multidisciplinary Clinics:

Aesthetic Dentistry
Implant Dentistry
Geriatric Dentistry
Tobacco Cessation Clinic
Cosmetology Clinic
Conscious Sedation Centre

Mobile Dental Van

CBCT (Cone Beam Computed Tomography):

Advanced X-ray Machine CBCT which shows 3D view of the Jaw, teeth & all other oral structures.

Attached medical hospital and pharmacy

General hospital facility is present in the campus. Attached Hospital facilitates emergency care to patients and also staff or students at any given point in time. 24*7 available the pharmacy

Wheelchair, ramp for disabled patients

Lifts for patients

Waiting hall for patients in all clinical departments


Rural and satellite primary health care centre

Free transport for patients

Teaching Hospital- The teaching hospital is a multispecialty, 345+ dental chair unit. It has 9 dental specialities with post-graduation being carried out in 7 of them.

Laboratories-

- Anatomy Dissection Hall
- Physiology Laboratory
- Pathology & Microbiology Laboratory
- Pharmacology Laboratory
- Biochemistry Laboratory
- Haematology Laboratory
- Departmental Museums
- Oral pathology Histopathology Laboratory
- Oral pathology Pre-Practical Laboratory
- Orthodontics Pre-Clinical Laboratory (UG & PG)
- Orthodontics PG Clinical Laboratory
- Prosthodontics Pre-Clinical Laboratory
- Prosthodontics PG Clinical Laboratory
- Prosthodontics Ceramic Laboratory
- Periodontics Pre-Clinical Laboratory
- Periodontics Clinical Laboratory
- Pedodontics Laboratory
- Conservative Dentistry Pre-Clinical Laboratory (UG & PG)
- Conservative Dentistry Clinical Laboratory



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Departmental Clinics- Separate clinics for UG and PG Students.


ICT Enable Classroom- The lecture halls in ITS Dental College are 4 theatre style spacious lecture halls that are meticulously designed to ensure that all students have the sufficient space and each lecturer has the necessary facilities to address a large audience in the class. The halls have an ample seating capacity of 120 students each. These lecture theatres are equipped with LCD projectors, computers, audio system, O.H.P and slide projectors

ICT Enable Seminar Hall- We have 10 ICT Enable Seminar halls with wifi enabled.

List of Equipment / Instruments

DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS

S.No.	NAME	S.No.	NAME
1	Dental Chairs and Units	15	Conventional VLC units
2	Micro endosonic Tips, retro treatment	16	Magnifying loupes
3	Endo-motor	17	Audio Visual System
4	Rubber dam kit	18	Composite kits with different shades and polishing kits
5	Autoclaves	19	Ceramic finishing kits, metal finishing kits
6	Apex locators	20	Digital X-ray system
7	Pulp tester	21	Bleaching unit (with light)
8	Equipments for injectable thermoplasticized gutta percha	22	Instrument retrieval kits
9	Operating microscopes	23	Computer with internet connection with attached printer and scanner
10	Equipments for ceramics	24	Refrigerator
11	Surgical endo kits (Microsurgery)	25	Lab micro motor/sand blasters/ polishing lathes/ duplicator equipment
12	Set of hand instruments	26	Composite curing Unit
13	Ultrasonic cleaner capacity 3.5 lts	27	vacuum investment equipments
14	Variable Intensity polymerization equipments - VLC units		


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List of Equipment / Instruments

DEPARTMENT: ORAL MEDICINE & RADIOLOGY			
S. No.	NAME		S. No. NAME
1	Dental Chairs and Units		17 Radiographic film storage lead containers
2	Digital X-ray System		18 Thyroid collars
3	Extra oral radiography machine		19 Digital blood glucose tester
4	Panoramic radiography machine with cephalometric		20 Digital camera
5	Intra-oral camera		21 X-ray viewer boxes
6	Pulp tester		22 Lacrimal probes
7	Autoclave		23 Sialography cannula
8	Punch biopsy tool		24 Illuminated mouth mirror and probe
9	Biopsy equipment		25 Computer with internet connection with attached printer and scanner
10	Surgical trolley		26 Audio visual system
11	Emergency medicines kit		27 Refrigerator
12	Lead screens		28 Laser soft tissue
13	Lead aprons		29 Pain clinic equipment-TENS
14	Lead gloves		30 CBCT
15	Dark room with safe light facility		
16	Automatic radiographic film processors		

DEPARTMENT: ORTHODONTICS

S. No.	NAME		S. No. NAME
1	Dental Chairs and Unit		15 Autoclaves
2	Vacuum /pressure moulding unit		16 Ultrasonic scaler
3	Hydrogen soldering unit		17 Sets of Orthodontic pliers
4	Lab micromotor		18 Orthodontic impression trays
5	Spot welders		19 Ultrasonic cleaner capacity 3.5 lts
6	Model trimmer (Double disc)		20 Electropolisher
7	Light curing unit		21 Typodonts with full teeth set
8	High intensity light curing unit		22 Free plane articulators
9	Polishing lathes		23 Hinge articulators
10	Tracing tables		24 Computer software for cephalometrics
11	SLR digital camera		25 Computer with internet connection with attached printer and scanner
12	Scanner with transparency adapter		26 Refrigerator
13	X-ray viewer		
14	Audio Visual System		

List of Equipment / Instruments

DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY

S.No.	NAME	S.No.	NAME
1	Dental Chairs and Units	6	Distraction osteogenesis kit
2	Autoclave	7	Peizo surgical unit
3	Fumigators	8	Magnifying loops
4	Oscillating saw	9	Operating microscope and Microsurgery kit
5	Surgical instruments	10	Dermatomes
	General surgery kit including tracheotomy kit	11	Ultrasonic Cleaner capacity 3.5 lts
	Minor oral surgery kit	12	Pulse oxymeter
	Osteotomy kit	13	Fibrooptic light
	Cleft surgery kit	14	Major operation theatre with all facilities
	Bone grafting kit	15	Recovery and Intensive Care Unit
	Emergency kit	16	Inpatient beds
	Trauma set	17	Fiber optic laryngoscope
	Implantology kit,	18	Computer with internet connection with attached printer

DEPARTMENT: PEDIATRIC & PREVENTIVE DENTISTRY

S. No.	NAME	S. No.	NAME
1	Dental Chairs and Units	19	Band pinching beak pliers
2	Pedo extraction forceps	20	Proximal contouring pliers
3	Autoclaves	21	Crown crimping pliers
4	Digital X-ray system	22	Double beak pliers anterior and posterior
5	Pulp tester	23	Lab micro motor
6	Apex locator	24	Acryliser
7	Rubber dam kit	25	Magnifying loupes
8	Spot welder	26	Conscious sedation unit
9	Ultrasonic scalers	27	Pulse oxymeter
10	Ultrasonic cleaner	28	Model trimmer
11	X-ray viewer	29	Endomotor
12	Amalgamator	30	Adjustable Mouth prop
13	Plaster dispenser	31	Head & Arm Immobilizers
14	Dental lathe	32	Bracket holding pliers
15	Heavy Duty Vibrator (Whip mix)	33	Straight hoe pliers
16	Typhodont Primary Teeth	34	Curved hoe pliers
17	Typhodont Permanent Teeth	35	Computer with internet connection with attached printer and scanner
18	Soldering unit		

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List of Equipment / Instruments

DEPARTMENT: PROSTHODONTICS

S. No.	NAME	S. No.	NAME
1	Electrical Dental Chairs and Units	31	Steam cleaner
2	Semi Adjustable Articulator with Face bow	32	Vacuum mixing machine
3	Micromotor	33	Wax heater for wax carving
4	Ultrasonic scaler	34	Wax carvers (Full PKT Set)
5	Light cures	35	Milling machine
6	Autoclave	36	Magnifying work lamp
7	Surveyor	37	Heavy duty lathe with suction
8	Refrigerator	38	Die cutting machine
9	X-ray viewer	39	Ultrasonic cleaner
10	Pneumatic, Crown bridge remover	40	Electrically operated centrifugal casting machine
11	Digital SLR camera	41	Induction Casting Machine
12	Computer with internet connection with attached printer and scanner	42	Lab Micro Motor
13	Plaster dispenser	43	Fully programmable porcelain furnace with vacuum pump
14	Model trimmer with carborandum Disc	44	Ceramic kit (instruments)
15	Model trimmer with diamond disc	45	Ceramic polishing kit
16	High speed lathe	46	Magnifying work lamp
17	Vibrator	47	Electrical dental chair and unit
18	Acrylizer	48	Physio dispenser
19	Dewaxing unit	49	Implant kit
20	Hydraulic press	50	Implants
21	Mechanical press	51	Prosthetic components
22	Micro motor lab type	52	light cure
23	Pressure molding machine	53	X-ray viewer
24	Duplicator	54	Ultrasonic cleaner
25	Pindex system	55	Autoclave
26	Burn-out furnace	56	X-ray machine with RVG
27	Sandblaster	57	Refrigerator
28	Model trimmer with carborandum disc	58	Surgical kit / prosthetic kit
29	Model trimmer with diamond disc	59	Educating models
30	Spot welder with soldering, attachment of cable	60	Implant removing instruments

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List of Equipment / Instruments
DEPARTMENT: PERIODONTOLOGY

S. No.	NAME	S. No.	NAME
1	Dental Chairs and Units	34	Distraction osteogenesis kit
2	Autoclave	35	Bone mill
3	Airoter hand pieces	36	Bone graft / membrane placement spoon
4	W.H.O probe	37	Bone condenser
5	Gold Man fox probe	38	Peizo-surgery unit
6	Pressure sensitive probe	39	Centrifuge for PRP/PRF preparation
7	Marquis color coded probe	40	Soft tissue laser (8 watt)
8	Supra gingival scalers	41	Osteotome
9	Sub gingival scaler	42	Composite gun with material kit
10	Arkansas sharpening stone	43	Splinting kit with material
11	Routine surgical instrument kit	44	Composite finishing kit
12	Electro surgery unit	45	Digital camera
13	Kirkland's knife	46	Intra Oral camera
14	Orban's knife	47	Ultrasonic cleaner
15	Paquette blade handle	48	Emergency kit
16	Krane kaplan pocket marker	49	Refrigerator
17	Mc Calls universal curettes	50	Audio Visual System
18	Gracey's curettes	51	Computer with internet connection with attached printer and scanner
19	Mini five curettes	52	Educating models
20	Cumine scalar	53	Implant Equipment
21	Mallet	54	Electrical dental chair and unit
22	Chisel	55	Physio dispenser
23	Oschenbein chisel	56	Implant kit
24	Schluger bone file	57	Implants
25	Bone fixation screw kit	58	Implant maintenance kit
26	Bone scrapper	59	Implant guide
27	Bone trephines for harvesting autografts	60	X-ray viewer
28	Micro needle holder	61	Ultrasonic cleaner capacity 3.5 lts
29	Micro scissors	62	Autoclave
30	Magnifying loop (2.5 – 3.5)	63	Digital X-ray system
31	Operating microscope	64	Surgical kit
32	3 rd generation digital probe	65	Sinus lift kit
33	Bone expander and bone crester	66	Implant removing kit

List of Equipment / Instruments

DEPARTMENT: PUBLIC HEALTH DENTISTRY

S. No.	NAME	S. No.	NAME
1	Dental chairs	12	Staff bus
2	Extraction forceps	13	Mobile dental clinic fitted with dental chairs with complete dental unit
3	Filling instruments	14	Ultrasonic scaler
4	Scaling instruments	15	Ultrasonic cleaner
5	Amalgamator	16	Compressor
6	Pulp tester	17	Generator
7	Autoclave	18	Public address system, audio-visual System
8	X-ray viewer	19	emergency medicine kits
9	Instrument cabinet	20	Portable oxygen cylinder
10	Audio Visual System	21	Portable chair Unit
11	Computer with internet connection with attached printer and scanner		

Research Lab-

ITS Dental College, Hospital and Research Centre, Greater Noida, a premier institute in the field of dentistry has started an 'Advanced Research Facility' on 23rd June 2016 with the objective to educate students in the rapidly growing fields of Life Sciences and Metallurgical studies.

We have state of the art research lab supervised by the Department of Oral and Maxillofacial Pathology. The lab has all major equipments so that research activities can be carried out in house.

The Vision of the Research Centre is to provide complete guidance and supervision to the undergraduate and post-graduate students and faculties of the college in the area of research. To undertake extramural research projects

Research Facilities (infrastructure):

• Universal Testing Machine	• Incubator
• Vicker's Hardness Machine	• Hot Air Oven
• Roughness Tester	• Refrigerated Centrifuge
• Spectrophotometer Reflectance	• PH Meter
• Agarose Gel Electrophoresis Unit	• Digital Colony Counter
• Transilluminator	• ELISA Machine


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Software technologies- Include Dolphin software and Audax currently used in department of Orthodontics for pre assessment of a particular treatment outcome, being used by PG students.

CSSD- Central sterilization protocol is followed for all departments. All contaminated instruments and equipments are sterilized centrally at the CSSD unit and then dispatched in the respective departments.

ERP- ERP is a digital Academic Management System, where BDS and MDS curriculum activities including results, notices, journal clubs, seminars, academic activity schedules, etc are uploaded online for providing access to the students.

ORION-Software to track Clinical operations along with treatment tracking. Orion also includes Store & purchase modules.



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