



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

## 4.2.1

Teaching Hospital/s, Equipments, Laboratory and clinical teaching-learning facilities including equipment as per the norms of the respective Regulatory Bodies

**The facilities as per the stipulations of the respective regulatory bodies.**

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# **Yenepoya Dental College**

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Ph. : 2204668 / 69 / 70  
Fax : 0824 - 2204663

# YENEPOYA DENTAL COLLEGE

(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY))  
University Road, Deralakatte, Mangalore - 575 018.

## YENEPOYA DENTAL COLLEGE

Teaching hospital, equipments, laboratories and clinical teaching learning facilities  
(As per DCI 13<sup>th</sup> Amendment 2018)

Departments	Requirement (with 100 UG admissions: Minimum requirement (both UG and PG together))	Availability at YDC (including peripheral centre)
Clinical Area (for different specialty departments)	389 Dental Chairs	425 Dental chairs
Department of Oral Medicine and Radiology	34	40
Department of Oral Pathology and Microbiology	08	08
Department of Public Health Dentistry	27	37
Department of Pediatrics and Preventive Dentistry	42	47
Department of Orthodontics	46	52
Department of Periodontology	56	56
Department of Conservative Dentistry and Endodontics	62	65
Department of Oral and Maxillofacial Surgery	52	52
Department of Prosthodontics and Crown and Bridge	62	68
<b>Laboratories (Dental Subjects)</b>		
Pre-clinical Prosthodontics and dental material laboratory	3000 sq.ft	6813 sq.ft
Pre-clinical conservative laboratory	2500 sq.ft	2500 sq.ft
Oral biology and oral pathology laboratory	2500 sq.ft	4235 sq.ft
Laboratory for orthodontics and Pedodontics	1500 sq.ft	1,500 sq.ft
<b>Laboratories (Medical Subjects)</b>		
Anatomy dissection hall with storage for cadavers, osteology, demonstration room etc.	The facilities available in the Yenepoya Medical College are adequate and utilized as permitted by the Dental Council of India	
One laboratory for physiology and pathology and microbiology with stores and preparation rooms for individual subjects attached to it.		
Laboratory for biochemistry and pharmacology with store and preparation rooms separately for both subjects		
<b>Laboratories (Clinical)</b>		
Prosthodontics cast partial and ceramic	2500 sq.ft	2500 sq.ft
Conservative Dentistry	600 sq.ft	2500 sq.ft
Oral pathology for histopathology	600 sq.ft	1773 sq.ft
Haematology and clinical biochemistry	300 sq.ft	1765 sq.ft
AREB certified radiographic room along with dark room	600 sq.ft	600 sq.ft

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*Dr. Gangadhara Somayaji K.S.*  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore - 575 018, Karnataka

DEAN / PRINCIPAL  
*Yenepoya Dental College*  
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Mangaluru-575018

**EQUIPMENTS & INSTRUMENT LIST**

**DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY**

Name	Specification	Qty for 100 BDS intake	QTY for per unit of MDS	Total required	Availability
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	12-Dental chairs	One chair & unit per PG student and Two chairs & unit for Faculty	34	40 (12-UG) (18-PG) (4-Staff) (2-OP) (04-Radiology)
Panoramic Radiography (OPG) Machine with ceph	Digital Compatibility	1	1	2	2
Intra Oral Radiography Machine	55-70 kVp with Digital Compatibility	3	2	5	5
Pulp Tester		2	4	6	6
Automatic Radiographic Film Processors		2	2	4	4
X-ray Viewer boxes	Panoromic & Ceph	2	2	4	10
RVG with sensors		1	1	2	2
Extra Oral Radiography machine (General X ray unit)	100 kVp	1	1	1	1
Dark Room with Safe light facility		1	1	1	1
Lead Aprons		2	2	4	6
Lead Gloves		1	2	3	4
X ray Hangers		6	6	6	7
Thyroid collars		1	1	2	3
Diagnostic kit (mouth mirror, probe...)		40	40	80	80
Lead Screens		1	3	4	4
X ray Viewer Intra Oral	IOPA	2	2	4	4

  
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 University Road, Derakatte  
 Mangaluru-575018

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 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Derakatte  
 Mangalore-575 018, Karnataka

Biopsy Equipment		1	2	3	6
Autoclave		2	2	4	4
Computer with Internet Connection with attached Printer & Scanner		1	1	2	5
Intra-Oral Camera		1	1	2	2
Needle Burner With Syringe Cutter		2	-	2	2
Punch Biopsy Tool		-	3	3	10
Surgical Trolley		1	2	3	4
Emergency Medicines Kit		-	1	1	1
Extra Oral Cassettes with Intensifying Screens (Conventional & Rare Earth)		-	6	6	18
Radiographic Filters (Conventional & Rare Earth)		1	1	2	2
Radiographic Film storage Lead Containers		1	-	1	1
Cone Beam Computer tomography(Planmecca Proface Mid)	Optional with pan	-	1	1	1
Lacrimal Probes		-	2 sets	4sets	4sets
Sialography Cannula		-	2 sets	4sets	4sets
Illuminated Mouth Mirror & Probe		-	2	2	2
Sof tissue Diode Laser		-	-	Nil	1

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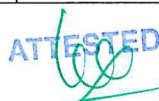
Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Derlakatte  
Mangalore- 575 018, Karnataka

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Mangaluru-575018

**DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY AND ORAL  
MICROBIOLOGY**


Name	Specification	Quantity(as per DCI regulation)	Availability
<b>ESSENTIAL EQUIPMENT</b>			
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and suction	One chair and unit per PG student	08
Adequate laboratory glassware's as required for processing of biopsy specimens & staining.	-	-	Adequate
Tissue capsules / Tissue embedding cassettes		25 – 30	50
Paraffin wax bath (thermostatically controlled)		1	1
Leuckhart pieces		10	15
Block holders		25	50
Semi automatic microtome		1	2[1(Semi automatic+1(Manual))]
Automatic Microtome knife Sharpener		1 (Optional)	1
Tissue floatation water bath (thermostatically controlled)		1	1
Slide warming table		1	1
Steel slide racks for staining		1+2	5
Diamond glass marker		2	4
Research microscope with phase contrast, dark field, polarization, CCTV & photomicrography attachments		1	1
Binocular Compound Microscope		4, 1/PG	30
Aluminium slide trays		5	15
Wooden / Plastic slide boxes		5	10

*Dr*  
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 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Derlakatte  
 Mangalore-575018, Karnataka



Wax block storing cabinet		1+2	1 of 5000 capacity
Slide storing cabinet		1 of 10,000 capacity	3 of 5,000 capacity each
Refrigerator		1	1
Micropipettes		2	2
Computer with Internet Connection with attached Printer & Scanner		1	2
<b>DESIRABLE EQUIPMENT</b>			
Cryostat		1	1
Fluorescent Microscope		1	1
Image analysis software		1	1
Automatic processing equipment		1	1
Stereo microscope		1	1

  
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 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore-575018, Karnataka

**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**


S. No.	Name	Specification	Quantity(as per DCI requirement )	Availability
<b>Instruments in the department for Comprehensive Oral Health Care Programme</b>				
1.	Dental chairs	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment with contra angle handpiece, airoter attachment, ultrasonic scaler (Piezo) with detachable autoclavable hand piece with min 3 tips.	One chair per post-graduate student and two for faculty per Unit	28
		Peripheral centres	-	09
2.	Extraction forceps		4 sets	4 sets
3.	Filling instruments		4 sets	4 sets
4.	Scaling instruments	Supra gingival scaling	4 sets	4 sets
5.	Amalgamator		1	1
6.	Pulp tester		1	1
7.	Autoclave		1	3
8.	X-ray viewer		1	1
9.	Instrument cabinet		1	1
10.	LCD or DLP multimedia projector		1	1
11.	Computer with internet connection with attached printer and scanner		1	1
12.	Refrigerator		1	1
<b>For peripheral dental care or field programme</b>				
13.	Staff bus		1	1
14.	Mobile dental clinic fitted			

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**Dr.Gangadhara Somayaji K.S.**  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore-575 018, Karnataka

	with at least 2 dental chairs with complete dental unit with fire extinguisher		1	1
15.	Ultrasonic scaler		1	4
16.	Ultrasonic cleaner capacity 3.5 lts		1	1
17.	Compressor	One with chair	-	3
18.	Generator		1	1
19.	Public address system, audio-visual aids		1	1
20.	Television		1	1
21.	Digital Versatile Disc Player		1	1
22.	Instrument cabinet, emergency medicine kits, Blood pressure apparatus		1	2
23.	Portable oxygen cylinder		1	1
24.	Portable chair		1	2

  
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 Yenepoya Dental College  
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 University Road, Derlakatte  
 Mangalore-575018

ATTESTED  
  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Derlakatte  
 Mangalore-575 018, Karnataka

**DEPARTMENT OF PAEDODONTICS AND PREVENTIVE DENTISTRY**

S. No.	Name	Specification	Quantity(as per DCI regulation)	Availability
1.	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 per post-graduate student and two for faculty per Unit	47
2.	Pedo extraction forceps sets		4	5 set
3.	Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	2
4.	RVG with intra oral x-ray unit		1	2
5.	Automatic developer		1	1
6.	Pulp tester		3	3
7.	Apex locator		1	5
8.	Rubber dam kit	One set per student	1	22
9.	Injectable GP condenser		1	2
10.	Endodontic pressure syringe		1	2
11.	Glass bead steriliser		4	6
12.	Spot welder		3	3

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*(Signature)*

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore-575 018, Karnataka

*(Signature)*  
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Yenepoya Dental College  
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13.	Ultrasonic scalers		4	10
14.	Needle destroyer		1	3
15.	Formalin chamber		1	4
16.	Ultrasonic cleaner capacity 3.5 lts		1	1
17.	X-ray viewer		3	3
18.	Amalgamator		2	3
19.	Plaster dispenser		2	4
20.	Dental lathe		2	2
21.	Vibrator		3	4
22.	Typodonts	One set per P.G. Student for 1 <sup>st</sup> year only	1 per PG	11 sets
23.	Soldering unit		1	2
24.	Band pinching beak pliers		2 Sets	3 sets
25.	Proximal contouring pliers		3	5 set
26.	Crown crimping pliers		3	6 set
27.	Double beak pliers anterior and posterior		3	5
28.	Lab micro motor		3	4
29.	Acryliser		2	2
30.	Magnifying loupes		1	3
31.	Conscious sedation unit	Desirable	1	1
32.	Pulse oxymeter		1	2
33.	Phantom head table with attached Light, Airtor and micro motor	One set per P.G. Student for 1 <sup>st</sup> year only	1 per PG	6
34.	Computer with internet connection with attached printer and scanner		1	4
35.	LCD projector		1	2
36.	Refrigerator		1	2


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Yenepoya (Deemed to be University)  
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Mangalore-575 018, Karnataka

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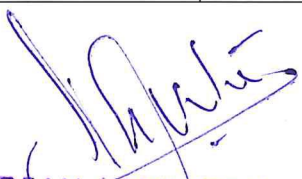
**DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**

S. No.	Name	Specification	Quantity(as per DCI regulation)	Availability
1.	Dental Chairs and Unit	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	52
2.	Vacuum /pressure moulding unit		1	1
3.	Hydrogen soldering unit		1	3
4.	Lab micromotor		5	6
5.	Spot welders		5	9
6.	Model trimmer (Double disc)		3	7
7.	Light curing unit		2	7
8.	Polishing lathes		3	4
9.	Tracing tables		5	3
10.	Scanner with transparency adapter		1	1
11.	X-ray viewer		4	4
12.	LCD projector		1	1
13.	Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	3
14.	Dry heat sterilizer		1	1
15.	Ultrasonic scaler		1	4
16.	Sets of Orthodontic pliers		3	5
17.	Orthodontic impression trays		5	5
18.	Ultrasonic cleaner		1	2

  
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	capacity 3.5 lts			
19.	Electropolisher		1	1
20.	Typhodonts with full teeth set		3	9
21.	Anatomical articulator with face bow attachments		1	1
22.	Three plane articulators		1	3
23.	Hinge articulators		4	6
24.	Computer software for cephalometrics		1	1
25.	Computer with internet connection with attached printer and scanner		1	1
26.	Mini Implant kit		-	1
27.	Refrigerator		1	1
28.	Model Trimmer Single disk		-	1
29.	Vibrator		-	3
30.	Micromotor		-	2
31.	TAD & BPD Machine		-	2

  
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 Registrar  
 Yenepoya (Deemed to be University)  
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 Mangalore-575 018, Karnataka

**DEPARTMENT OF PERIODONTOLOGY**

S. No.	Name	Specification	Quantity(as per DCI regulation)	Availability
1.	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	56
2.	Auto clave (fully automatic) front loading		2	02
3.	Steel bin		6	27
4.	Airoter hand pieces		2	05
5.	UV chamber		1	01
6.	W.H.O probe		2	07
7.	Nabers probe		2	09
8.	Williams probe		2	75
9.	UNC-15 probe		4	05
10.	Gold Man fox probe		1	04
11.	Pressure sensitive probe		1	01
12.	Marquis color coded probe		1	02
13.	Supra gingival scalers	Set	2	05

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14.	Sub gingival scaler	Set	2	08
15.	Arkansas sharpening stone		1	01
<b>Surgical Instruments</b>				
1.	Routine surgical instrument kit (Benquis periosteal elevator, periosteal)	Set	3	03
2.	Surgery trolleys		6	12
3.	X ray viewer		2	02
4.	Surgical cassette with sterilization pouches		6	06
5.	Electro surgery unit		1	02
<b>Special Surgical Instruments</b>				
1.	Kirkland's knife		1	03
2.	Tunneling Set		-	01
3.	TKP elevator		-	01
4.	LJMG Knife		-	01
5.	Orban's knife		1	03
6.	Paquette blade handle		1	02
7.	Krane kaplan pocket marker	Set	1	03
8.	Mc Calls universal curettes	Set	1	02
9.	Gracey's curettes (No.1-18)	Set	2	04
10.	Mini five curettes	Set	1	02
11.	Cumine scaler		1	01
12.	Mallet		1	02
13.	Chisel		1	01
14.	Oschenbein chisel		1	02
15.	Schluger bone file		1	02

  
**DR. PRINCIPAL**  
**Yenepoya Dental College**  
 Yenepoya Deemed to be University  
 University Road, Deralakatte  
 Mangaluru-575018

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16.	Bone fixation screw kit	Optional	1	-
17.	Bone scrapper	Optional	1	-
18.	Bone trephines for harvesting autografts	1 Set Optional	1	-
19.	Bone regenerative materials	Bone graft and GTR membranes	5	Adequate
20.	Local drug delivery systems	At least two different drugs delivery agents	1	Available
21.	Root conditioning agent	At least two different agents	2	Available
22.	Micro needle holder		1	04
23.	Micro scissors		1	05
24.	Magnifying loop (2.5 – 3.5)		2	02
25.	Operating microscope	Optional	1	-
26.	3 <sup>rd</sup> generation digital probe	Optional	1	-
27.	Bone expander and bone crester	Optional	1	-
28.	Distraction osteogenesis kit	Optional	1	-
29.	Bone mill	Optional	1	-
30.	Bone graft / membrane placement spoon		1	02
31.	Bone condenser		1	01
32.	Peizo-surgery unit	Optional	1	-
33.	Centrifuge for PRP/PRF preparation	Optional	1	01
34.	Soft tissue laser (8 watt)		1	01
35.	Osteotome	Set Optional	1	-

**MISCELLANEOUS INSTRUMENTS**

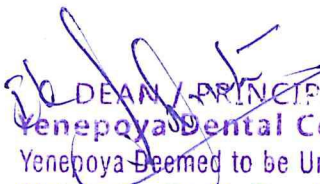
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1.	Composite gun with material kit		1	02
2.	Splinting kit with material		3	03
3.	Composite finishing kit		1	01
4.	Glass Ionomer filling instruments		1	01
5.	Digital camera		1	01
6.	Intra Oral camera		1	01
7.	Ultrasonic cleaner		1	02
8.	Emergency kit		1	01
9.	Refrigerator		1	01
10.	X-ray viewer		2	02
11.	LCD projector		1	01
12.	Computer with internet connection with attached printer and scanner		1	01


#### Implant Clinic Equipments

1.	Electrical dental chair and unit		1	1
2.	Physio dispenser		1	1
3.	Implant kit	At least two different systems	2	2
4.	Implants		10	10
5.	Implant maintenance kit (plastic instruments)		1 set	1
6.	Titanium Curette(AD23CN)		1	1
7.	Probe (PP12DMS)		-	1
8.	Implant guide		1	1
9.	X-ray viewer		2	4
10.	Needle destroyer		2	2

  
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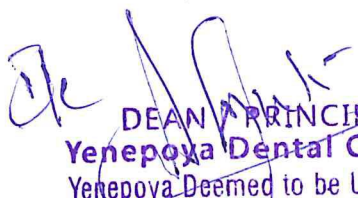
11.	Ultrasonic cleaner capacity 3.5 lts		1	1
12.	Autoclave programmable for all recommended cycles		1	1
13.	RVG with x-ray machine		1	1
14.	Refrigerator		1	1
15.	Surgical kit		2	2
16.	Sinus lift kit		1	1
17.	Educating models		1	1
18.	Implant removing kit		1	1

  
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**DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS**


S.No.	Name	Specification	Quantity(as per DCI regulation)	Availability
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airtor attachment with hand pieces (Fibre optic) and scaller	One chair per post-graduate student and two for faculty per Unit	65
2.	ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		3	04
3.	Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		6	20
4.	Rubber dam kit		1 per chair	20
5.	Autoclaves for bulk instrument sterilization vacuum (Front loading)		3	04
6.	Autoclaves for hand piece sterilization		1	05
7.	Apex locators		4	06
8.	Pulp tester		4	02
9.	Equipments for injectable thermoplasticized gutta percha		2	06
10.	Operating microscopes 3 step or 5 step magnification		1	01
11.	Surgical endo kits (Microsurgery)		2	02
12.	Set of hand cutting instruments		2	10

  
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13.	Sterilizer trays for autoclave		6	12
14.	Ultrasonic cleaner capacity 3.5 lts		1	01
15.	Variable Intensity polymerization equipments - VLC units	Desirable	1	10
16.	Conventional VLC units		4	02
17.	Needle destroyer		2	02
18.	Magnifying loupes		2	03
19.	LCD projector		1	01
20.	Composite kits with different shades and polishing kits		4	09
21.	Ceramic finishing kits, metal finishing kits	In ceramic labs	3	06
22.	Amalgam finishing kits		3	06
23.	RVG with x-ray machine developing kit		1	02
24.	Chair side micro abrasion		1	01
25.	Bleaching unit		1	01
26.	Instrument retrieval kits with Piezo Electric ultrasonic tips		1	01
27.	Computer with internet connection with attached printer and scanner		1	01
28.	Refrigerator		1	01
<b>Equipments for casting procedures</b>				
29.	Casting Machines		01	02
30.	Burnout Preheat Furnaces		01	04


  
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 Registrar  
 Yenepoya(Deemed to be University)  
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 Mangalore-575 018, Karnataka

31.	Wax Elimination Furnaces		01	04
32.	Lab Micro Motor		01	02
33.	Spindle Grinder /Metal Grinder		01	02
34.	Sand Blasters		01	01
35.	Polishing lathe Unident		01	01
36.	Duplicator Equipment		01	01
37.	Vacuum Investment Equipment		01	02
38.	Face bow with semi adjustable articulator		02	03
39.	GP cutter		03	08
40.	Proffin system		01	01
41.	Laser (preferably hard tissue)		01	01
42.	Ultrasonic Cleaner(1 with Heater Basket & Mesh Basket)		02	03
43.	Porcelian furnace with vaccum pump-vacumat		01	01

  
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 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore-575018, Karnataka

**DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY**

S.No.	Name	Specification	Quantity(as per DCI regulation)	Availability
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and high motorised suction, with micromotor and micro motor attachment	One chair per post-graduate student and Two chairs for the faculty in each unit.	52
2.	Autoclave	Front loading	3	3
3.	Fumigators		1	1
4.	Oscillating saw, Reciprocating, Saggital saw with module	With all hand pieces	1	1
5.	<i>Surgical instruments</i> General surgery kit including tracheotomy kit Minor oral surgery kit Osteotomy kit Cleft surgery kit Bone grafting kit Emergency kit Trauma set including bone plating kit Implantology kit	Minimum 2 systems	2 10 1 1 1 1 2 1 2 10	2 10 1 1 1 1 2 1 2 10
6.	Distraction osteogenesis kit		1	1
7.	Piezo surgical unit		1	1
8.	Surgical Magnifying loops 3x		1	1

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**Yenepoya Dental College**  
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Mangaluru-575018

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore-575 018, Karnataka



9.	Operating microscope and Microsurgery kit	Desirable	1	1
10.	Dermatomes		1	1
11.	Needle destroyer		3	3
12.	Ultrasonic Cleaner capacity 3.5 lts		1	1
13.	Formalin chamber		1	1
14.	Pulse oxymeter/NIBP		1	1
15.	Ventilator		1	1
16.	Major operation theatre with all facilities as per MCI guidelines		1	1
17.	Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds One bed in the Department
18.	Fiber optic light		1	1
19.	In-patient beds		20	20
20.	Fiber optic laryngoscope		1	2
21.	Computer with internet connection with attached printer		1	3
22.	LCD projector		1	1
23.	Refrigerator		1	2


  
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 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore-575 018, Karnataka

**DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE**


S. No.	Name	Specification	Quantity( as per DCI regulation)	Availability
1.	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.	64
		Centre for Implantology	-	4
2.	Articulators – semi adjustable/ adjustable with face bow		12	22
3.	Micromotor – (Lab Type can also be attached (fixed) to wall		4	8
4.	Ultrasonic scaler		2	4
5.	Light cures		2	6
6.	Hot air oven		1	2
7.	Autoclave (front loading)		2	3
8.	Surveyor		2	4
9.	Refrigerator		1	1
10.	X-ray viewer		2	2
11.	Pneumatic, Crown bridge remover		3	5
12.	Needle destroyer		2	1
13.	Intra oral camera		1	1

*Dr. Anurag*  
**PRINCIPAL**  
**Yenepoya Dental College**  
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 Registrar  
 Yenepoya(Deemed to be University)  
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14.	Digital SLR camera		1	1
15.	Computer with internet connection with attached printer and scanner		1	1
16.	LCD projector		1	1
<b>Clinical Lab for Prosthetics</b>				
1.	Plaster dispenser		2	4
2.	Model trimmer with carborandum Disc		2	6
3.	Model trimmer with diamond disc		2	3
4.	High speed lathe		3	2
5.	Vibrator		4	3
6.	Acrylizer		2	3
7.	Dewaxing unit		2	3
8.	Hydraulic press		1	1
9.	Mechanical press		1	3
10.	Vacuum mixing machine		1	4
11.	Micro motor lab type		3	12
12.	Curing pressure pot		1	1
13.	Pressure molding machine		1	2
<b>Chrome – Cobalt Lab Equipment</b>				
1.	Duplicator		1	3
2.	Pindex system		1	3
3.	Burn-out furnace		1	3
4.	Welder		1	1
5.	Sandblaster	Micro and macro	1	4
6.	Electro – polisher		1	1
7.	Model trimmer with carborandum disc		1	3


  
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 Registrar  
 Yenepoya(Deemed to be University)  
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 Mangalore-575 018, Karnataka

8.	Model trimmer with diamond disc		1	2
9.	Model trimmer with double disc (one Carborandum and one diamond disc)		1	2
10.	Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	2
11.	Dewaxing furnace		1	3
	Induction casting machine with vacuum pump, capable of casting titanium chrome cobalt precision metal		1	2
12.	Spot welder with soldering, attachment of cable		1	1
13.	Steam cleaner		1	2
14.	Vacuum mixing machine		1	3
15.	Spindle grinder 24,000 ROM with vacuum suction		1	2
16.	Wax heater		3	1
17.	Wax carvers (Full PKT Set)		3	10
18.	Milling machine		1	1
19.	Magnifying work lamp		1	4
20.	Heavy duty lathe with suction		1	2
21.	Preheating furnace		1	3
22.	Dry model trimmer		1	1
23.	Die cutting machine		2	1
24.	Ultrasonic cleaner		1	6
25.	Composite curing unit		1	5
<b>Ceramic Lab Equipment</b>				
1.	Fully programmable porcelain furnace with vacuum pump		1	2
2.	Ceramic kit (instruments)		3	2
3.	Ceramic materials (kit)		1	2

  
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 Registrar  
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4.	Ceramic polishing kit		2	1
<b>Implant Equipment</b>				
1.	Electrical dental chair and unit		1	4
2.	Physio dispenser		1	4
3.	Implant kit	Minimum 2 systems	2	6
4.	Implants		10	44
5.	Prosthetic components		10	35
6.	Unit mount light cure		2	3
7.	X-ray viewer		2	3
8.	Needle destroyer		2	1
9.	Ultrasonic cleaner capacity 3.5 lts		1	1
10.	Autoclave programmable for all recommended cycles		2	2
11.	X-ray machine with RVG		1	1
12.	Refrigerator		1	1
13.	Surgical kit/prosthetic kit		2	2
14.	Educating models		1	2

  
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 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore-575018, Karnataka

**DEPARTMENT OF DENTAL MATERIALS**

SL. NO	LIST	QTY
1.	Universal testing machine. (20kN load capacity 2kN and 20kN load cell): The fixture available for testing compression, tension, shear, bending (3 points and 4 points), wire grip and Brinell hardness fixture with 5mm and 2mm indenter.	1
2.	Vickers (VHN) hardness tester.	1
3.	pH meter.	1
4.	Electronic balance.	1
5.	Magnetic stirrer.	1
6.	Vernier callipers, screw gauge (Conventional and digital) etc.	1
7.	Metallurgical polishing machine for VHN sample preparation	1
8.	Planetary ball milling machine with SS bowl.	1
9.	Front Loaded autoclave	1
10.	Air Oven with heating capacity 500°C	1
11.	Muffle Furnace with 1000°C	1
12.	sieve shaker (Manual and electrical (sieve 25 microns and above)	1
13.	Pulveriser	1
14.	Hydraulic press	1

  
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 Mangaluru-575018

ATTESTED  
  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore-575 018, Karnataka



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

# **Yenepoya Medical College and Hospital**

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YENEPOYA  
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## YENEPOYA MEDICAL COLLEGE

(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)

Accredited by NAAC with 'A' Grade

University Road, Deralakatte, Mangaluru - 575 018.

Teaching Hospital/s, Equipments, Laboratory and Clinical Teaching – learning Facilities As per the terms of Notification published on 22.01.2018 in the Gazette of India for 150 UG students and PG requirements per department		
Facilities	As per MCI	Available
<b>Clinical Teaching – learning Facilities</b>		
<b>Beds Available in the clinical department wards for IP</b>		
Medicine	160	160
Surgery	160	160
Obstetrics and Gynaecology (OBG and GYN)	90	90
Paediatrics	90	90
Otorhinolaryngology (ENT)	40	40
Orthopaedics	100	100
Ophthalmology	40	40
Psychiatry	40	40
Dermatology Venereology and Leprosy	40	40
Tuberculosis and Respiratory Diseases	30	30
Geriatric Medicine	30	30
Nephrology	10	10
<b>Super-specialty beds</b>		
Oncology	20	20
Cardiology	10	10
Neurology	20	20
Urology	30	30
<b>Total</b>	<b>910</b>	<b>910</b>
<b>Intensive/ Critical Care Beds</b>		
MICU (Medical Intensive Care Unit)	5	18
RICU( Respiratory Intensive Care Unit)	5	5
SICU (Surgical Intensive Care Unit).	5	12
Emergency Medicine ICU (Intensive Care Unit )	-	25
NICU( Neonate Intensive Care Unit)	5	16
ICCU (Intensive coronary Care Unit)	-	5
PICU (Paediatric Intensive Care Unit)	5	8
Specialty –CCU (Critical Care Unit)	6	6
Transplant ICU (Intensive Care Unit )	3	3
Cardio thoracic Surgery	5	5
Neuro ICU (Intensive Care Unit )Surgery.	5	5

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Registrar

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Isolation	2	2
Recovery ICU(Intensive Care Unit )	15	15
Dialysis	-	19
Post OP (postoperative)	-	23
Burns	3	3
<b>Total</b>	<b>64</b>	<b>170</b>
<b>Total beds available in the Clinical departments in ward for IP</b>	<b>974</b>	<b>1080</b>
<b>Operation Theatres</b>		
General Surgery	3	3
Otorhinolaryngology (ENT)	1	1
Ophthalmology	1	1
Orthopedics	2	2
Obstetrics and Gynaecology (OBG and GYN)	2	2
Theatre for Septic surgery	1	1
Emergency	1	1
Urology	1	2
Robotic	0	1
Surgical Oncology	1	1
Paediatrics and Plastic Surgery	-	1
Cardiac Surgery	-	1
Vascular Surgery	-	1
<b>Total Operation Theatres</b>	<b>13</b>	<b>18</b>
<b>Other Surgical Training Laboratories</b>		
Endotrainer Laboratory (Surgical)	1	1
Wet Lab (Ophthalmology)	1	1
ACTSYEN (Advanced Comprehensive Clinical Training and Simulation Center)	1	1
ASSEND (Advanced Surgical Skill Enhancement Division)	1	1
<b>ACTSYEN (Advanced Comprehensive Clinical Training and Simulation Center)</b>		
<b>BLS (Basic Life Support) Equipment</b>		
BLS (Basic Life Support) mannequin	3: 1 (student: mannequin) ratio	10
Pocket mask	03:01	10
ABU bag (Artificial Manual Breathing Unit)	03:01	10
AED (Automated External Defibrillator)	06:01	6
A/V system with ability to play DVD for entire	1	1
Disposable blue connector	Per student 1	<b>ATTESTED</b> <i>hs</i>


  
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**Dr.Gangadhara Somayaji K.S.**  
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**Yenepoya(Deemed to be University)**  
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<b>ACLS (Advanced Cardiac Life Support) Equipment</b>		
A/V system with ability to play DVD for entire	1	1
ECG (Electrocardiogram) Simulator or Rhythm Generator	2 (Based on station per station one)	1
Monitor/defibrillator w/ cardio version and TCP	2 (Based on station per station one)	2
ALS Manikins <sup>1</sup>	6:1 ratio (student: mannequin per	10
ABU bag (Artificial Manual Breathing Unit)	6:1 ratio (student: mannequin per station one)	10
Airway Manikins <sup>2</sup>	6:1 ratio (student: mannequin per station one)	3
<b>Central Skills Laboratory: Equipments</b>		
<b>High fidelity simulators</b> ➤ Human Patient Simulator ➤ Metiman Simulator ➤ Maternal Fetal Simulator ➤ Infant and Paediatric Patient Simulator	1	1
<b>Virtual Reality Simulators</b> ➤ Laparoscopic- VR simulator ➤ Endoscope- VR simulator ➤ Cathlab- VR simulator ➤ Vimedix Ultrasound- VR Simulator ➤ ENT and Ophthal Simulator	1	1
Blue Phantom	1	1
Anatontage Table	1	1
Nursing Mannequin	1	1
Blue Phantom	1	1
<b>Task Trainers</b> ➤ Surgical Suturing Arm ➤ IV arm ➤ Clinical Female Pelvic Trainer ➤ Intubation Head ➤ Rectal Examination Trainer ➤ Breast Examination Trainer ➤ IM injection Trainer ➤ CPR Mannequin Adult and infants	1	1
<b>Ophthalmology Skills Laboratory</b>	1	1
Skills to be practiced include: Ophthalmoscopy		<b>ATTESTED</b> 

Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
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ENT Skills Laboratory :Otoscopy	1	1
General Surgery Skills Laboratory:	1	1
Skill Laboratory is established on 30 <sup>th</sup> July 2016		
<b>Following are the instruments available in skill Laboratory.</b>		
Suturing pad	24	24
Allis Forcep	2	2
Tissue Holding Forcep	5	5
Scissor	5	5
RT insertion Mannequin	2 low fidelity and 3 high fidelity	2 low fidelity and 3 high fidelity
Foley's Catheterization Mannequin	1 low fidelity and 2 high fidelity	1 low fidelity and 2 high fidelity
Central Line Insertion Mannequin	2 high fidelity	2 high fidelity
<b>Community Learning</b>		
<b>Rural Health and Training Centre (RHTC)</b>		
Available Services – Out Patient Department (OPD): 1. General Medicine/Screening 2. Paediatrics/Under- 5 clinic/Immunization 3. Antenatal Care Clinic/OBG/ GYN Clinic 4. Physiotherapy Clinic 5. Dressing and First Aid/Pharmacy 6. Immunization 7. Registration/ Records and Documentation	1	1
Storeroom	1	1
Laboratory	1	1
<b>Urban Health and Training Centre (UHTC)</b>		
Available Services – Out Patient Department (OPD): 1. General Medicine/Screening 2. Paediatrics/Under- 5 clinic 3. Antenatal Care Clinic/OBG/GYN Clinic 4. Physiotherapy Clinic Dental Clinic 5. Dressing and First Aid/ Pharmacy 6. Immunization 7. Registration/ Records and Documentation	1	1
Storeroom	1	1
Laboratory	1	ATTESTED 

  
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Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

<b>List of Clinical Services – Yenepoya Medical College Hospital</b>	
<b>Facilities</b>	<b>Available</b>
<b>Broad Specialities</b>	
1. Medicine	Available
2. Surgery	Available
3. Anaesthesiology	Available
4. Laboratory	Available
a. Clinical bio-chemistry	Available
b. Clinical Microbiology	Available
c. Serology	Available
d. Clinical Pathology	Available
e. Hematology	Available
f. Histopathology	Available
g. Cytopathology	Available
h. Molecular Diagnostics (RT-PCR for COVID – 19)	Available
5. Obstetrics and Gynaecology (OBG and GYN)	Available
6. Ophthalmology	Available
7. Dermatology Venereology and Leprosy	Available
8. Orthopaedics	Available
9. Otorhinolaryngology (ENT)	Available
10 Paediatrics	Available
11. Psychiatry	Available
12. Tuberculosis and respiratory diseases	Available
13. Radio diagnosis	Available
14. Blood transfusion services	Available
<b>Super Specialities Services</b>	
1. Cardiology	Available
2. Endocrinology	Available
3. Neonatology	Available
4. Urology	Available
5. Nephrology	Available
6. Neurology	Available
7. Neurosurgery	Available

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Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
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8. Oncology	Available
a. Medical oncology	Available
b. Surgical oncology	Available
c. Palliative oncology	Available
d. Preventive Oncology	Available
e. Gynec oncology	Available
f. Hemato Oncology	Available
9. Paediatric surgery	Available
10. Rheumatology	Available
11. Plastic and reconstructive surgery	Available
12. Robotic and Non Invasive Surgical unit	Available
13. Surgical Gastroenterology	Available
14. Medical Gastroenterology	Available
15. Geriatric Medicine	Available
16. Cardiothoracic surgery	Available
17. Spine Surgery	Available
18. Kidney/Renal Transplant	Available
19. IVF (In vitro fertilization)	Available
<b>Support Departments:</b>	
1. Diabetic Clinic	Available
2. Rehabilitation	Available
a. Physiotherapy	Available
b. Speech Therapy Unit	Available
3. Social work Services	Available
1. Diagnostic Imaging	Available
a. CT Scanning (Computed tomography)	Available
b. Cath Lab	Available
c. Mammography	Available
d. MRI (Magnetic resonance imaging) – 3 Tesla	Available
e. Ultrasound	Available
f. X-Ray	Available
2. Other Diagnostic Services	Available

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Registrar  
Yenepoya (Deemed to be University)  
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a. Echocardiography services	Available
b. EEG ( electroencephalogram)	Available
c. EMG/EP (Electromyography)	Available
d. Spirometry	Available
e. Tread Mill Testing	Available
<b>Other Services</b>	
1. Ambulance service	Available
2. Day care service	Available
3. Dialysis Units	Available
4. Emergency Unit/ Causality	Available
5. OT Complex	Available
6. Outpatient services	Available
7. 24 x 7 Pharmacy	Available
8. Comprehensive advanced skill lab (ACTSYEN)	Available
9. Home care services	Available
10. Telemedicine	Available

  
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**Registrar**  
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**University Road, Derlakatte**  
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**Teaching Hospital/s, Equipments, Laboratory and Clinical Teaching – learning Facilities  
As per the terms of notification published on 22.01.2018 in the Gazette of India**

**Built up Area requirement as the norms of regulatory bodies**


Department	Facilities	Requirement(as per MCI)	Availability
Accommodation in the Medical College and its associated teaching hospitals		As per the terms of Notification published on 15.07.2009 in the Gazette of India.	Available as per norms
	Yenepoya Medical College (Admin and Academic Block)	*The medical college or medical institution shall be housed in a unitary campus of not less than 20 acres of land except in metropolitan	Adequate land area with 12,658.94 sq.mts Built up Area of Yenepoya Medical College
	Yenepoya Medical College Hospital (including OPD)	The hospital, college building including library and hostels for the students, interns, PGs/Residents and nurses shall be in one piece of land which shall not be less than 10 acres.	Adequate land area with 30,760.36 sq.mts Built up Area of Yenepoya Medical College Hospital

**Pre-Clinical Departments**

Department of Human Anatomy	<b>Laboratory with capacity</b>		
	Dissection Laboratory	325 sq.mts	375 sq.mts
	Histology Laboratory	200 sq.mts	375 sq.mts
	Histology slide preparation room	18 sq.mts	52.80 sq.mts
	One Research Laboratory	50 sq.mts	50 sq.mts
	Museum	200 sq.mts	375 sq.mts
	Anatomy Model preparation rooms	15 sq.mts each	27 sq.mts each

  
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	02 demo rooms	60 sq.mts each (75-100 Students Capacity)	75 sq.mts each (80 Students Capacity)
	Departmental Library-cum -Seminar Room	30 sq.mts	30 sq.mts
Department of Human Physiology	Laboratory with capacity		
	One Amphibian Laboratory	225 sq.mts (60 Students Capacity)	225 sq.mts (60 Students Capacity)
	One Mammalian Laboratory	80 sq.mts	80 sq.mts
	Haematology Laboratory	225 sq.mts	225 sq.mts
	Clinical Physiology Laboratory	90 sq.mts	150 sq.mts
	One Research Laboratory	50 sq.mts	50 sq.mts
	03 preparation rooms	14 sq.mts each	14 sq.mts each
	2 Demo Rooms Each	60 sq.mts (75 Students capacity)	80 sq.mts and 74 sq.mts (80 Students capacity)
	Departmental Library-cum - Seminar Room	30 sq.mts	30 sq.mts
Department of Biochemistry	Laboratory with Capacity		
	Research Laboratory	50 sq.mts	58.26 sq.mts
	Student Laboratory	225 sq.mts (90 students capacity)	225 sq.mts (90 students capacity)
	Preparation rooms	14 sq.mts	27.47 sq.mts
	One demo room	60 sq.mts (75 students capacity)	76 sq.mts (80 students capacity)
	Departmental Library-cum - Seminar Room	30 sq.mts	30 sq.mts
<b>Para Clinical Departments</b>			
Department of Pathology	Morbid anatomy & Histopathology / Cytopathology & Clinical Pathology / Hematology - each	225 sq.mts each (90 students capacity)	225 sq.mts each (90 students capacity)
	One Research Laboratory	50 sq.mts	72 sq.mts
	Slide Preparation rooms	14 sq.mts	35sq.mts & 15.66sq.mts
	2 Demo rooms	60 sq.mts	73.94 sq.mts and 65.82 sq.mts
	Histopathology	30 sq.mts	90 sq.mts

	Cytopathology	30 sq.mts	53.4 sq.mts
	Hematology	30 sq.mts	73.14 sq.mts
	Blood Bank	100 sq.mts	203.75 sq.mts
	Departmental Library-cum - Seminar Room	30 sq.mts	30 sq.mts
Department of Microbiology	Practical Laboratory	225 sq.mts (90 students capacity)	375.60 sq.mts (80 students capacity)
	One research Laboratory	50 sq.mts	51.34 sq.mts
	Preparation room	14 sq.mts	28 sq.mts
	02 Demo rooms	60 sq.mts each (75 students capacity)	77 sq.mts each (80 students capacity)
	1.Bacteriology including Anaerobic	35 sq.mts	95 sq.mts
	2.Serology	35 sq.mts	40 sq.mts
	3.Virology	35 sq.mts	48 sq.mts
	4.Parasitology	35 sq.mts	35 sq.mts
	5.Mycology	35 sq.mts	40 sq.mts
	6.Tuberculosis	35 sq.mts	40 sq.mts
	7.Immunology	35 sq.mts	40 sq.mts
	Departmental Library-cum - Seminar Room	30 sq.mts	30 sq.mts
Experimental laboratory clinical	Experimental Pharmacology and Clinical Pharmacology and Pharmacy with capacity of 75-100 students each (225 sq.mts each) and one	CAL/Experimental laboratory (225 sq.mts) with 75 students and Clinical Pharmacology shared with Clinical Physiology/ Biochemistry Department (Gazette Notification dt.15.07.2009)	
Department of Pharmacology	One Research Laboratory	95 sq.mts	95 sq.mts
	Preparation Room	14 sq.mts	14 sq.mts and 24.47 sq.mts
	02 demo room	60 sq.mts (75 students capacity)	74.35 sq.mts (80 students capacity)
	Departmental Library-cum - Seminar Room	30 sq.mts	AT 30 sq.mts

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Department of Forensic Medicine & Toxicology	Students Laboratory	225 sq.mts (80 students capacity)	225 sq.mts (80 students capacity)
	One Research Laboratory	50 sq.mts	50 sq.mts
	02 demo rooms	60 sq.mts each (80 students capacity)	85 sq.mts each (80 students capacity)
	Mortuary: Autopsy room	There shall be Autopsy room (400 sq.mts) with facilities for cold storage, cadavers, ante rooms, washing facilities with capacity of 40 - 50 students	Autopsy room (400 sq.mts) is available with facilities for cold storage, cadavers, ante rooms, washing facilities with capacity of 40 - 50 students
	Departmental Library-cum - Seminar Room	30 sq.mts	30 sq.mts
Department of Community Medicine	Practical Laboratory	225 sq.mts	Practical Laboratory (375.60 sq.mts) with capacity of 80-100 students & shared with Microbiology department. (Gazette Notification dt.15.07.2009) Refer Annexure VI
	One Research Laboratory	50 sq.mts	(92 sq.mts) with capacity of 50 students
	02 Demo rooms	60 sq.mts each	75 sq.mts each
	Departmental Library-cum - Seminar Room	30 sq.mts	30 sq.mts
<b>Office Accommodation ( Professor and HOD, Associate Professor, Assistant Professor, Sr. Residents Jr. Resident Non Teaching Clerical Staff) available as per requirement</b>			

  
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Clinical Departments			
Department/ Unit	Facilities	Requirement (as per gazette of India notification dated May 2018)	Availability
Laboratories	<p>Broad services provided in the teaching hospital i.e. Haematology, Biochemistry, Clinical Pathology, Histology, Cytology, Molecular Genetics</p> <ul style="list-style-type: none"> <li>• Sample collection area</li> <li>• Reporting and billing area</li> <li>• Staff room and doctor's duty room</li> <li>• Male and female different where 24 hours services available</li> <li>• Washing room</li> <li>• Preservation of the specimens and slides and electrical facilities</li> <li>• Temperature control for specialized equipment like flow cytometry and chemiluminescence equipment, ELISA test equipment etc.</li> <li>• Counselling room for HIV</li> <li>• FNAC room for all patients for sample collection</li> <li>• Dark room for Immuno-fluorescence</li> <li>• Frozen Section facilities</li> </ul>	Essential	Available

  
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**As Per Minimum Standard Requirements for the Medical College, Amended – Up to January 2018)**  
**Medical Council of India**

Department	Facilities	Requirement in area sq.mts each	Availability
Administrative block	Teaching hospital Dean's room	36 sq.mts	Available
	Medical superintendent's room	36 sq.mts	Available
	Hospital offices for the supportive staff	150 sq.mts	Available
	Waiting space for visitors	450 sq.mts	Available
	Enquiry office	50 sq.mts	Available
	Reception	400 sq.mts	Available
	Store rooms	600 sq.mts	Available
	Linen rooms	500 sq.mts	Available
	Hospital and staff committee room	80 sq.mts	Available
	Central casualty department (Incl. Minor O.T)	150 sq.mts	Available
	Central hospital pharmacy	100 sq.mts	Available
	Accommodation for Nurses duty room	20 sq.mts	Available
	Laboratory for routine examinations	15 sq.mts	Available
	Examination and treatment room	15 sq.mts	Available
	Ward pantry	15 sq.mts	Available
	Store room for linen and other equipments	15 sq.mts	Available
Residents Doctors and students duty room	20 sq.mts	Available	
Operation Theatre	Unit waiting room for patients	15 sq.mts	Available
	Preparation room	15 sq.mts	Available
	Operation theatre	75 sq.mts	Available

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	Post-operative recovery room	30 sq.mts	Available
	Instrument room	15 sq.mts	Available
	Sterilisation room	15 sq.mts	Available
	Nurses room	20 sq.mts	Available
	Surgeon's and Anaesthetist's room	40 sq.mts	Available
	Assistant's room	20 sq.mts	Available
	Observation gallery for students	60 sq.mts	Available
	Store rooms	15 sq.mts	Available
	Washing room	10 sq.mts	Available
	Dressing up room	10 sq.mts	Available
	Central sterilisation unit	10 sq.mts	Available
Labour Room	Waiting room for patients	15 sq.mts	Available
	Preparation room	15 sq.mts	Available
	Labour room	100 sq.mts	Available
	Post Partum recovery room	75 sq.mts	Available
	Soiled linen room	15 sq.mts	Available
	Instrument room	15 sq.mts	Available
	Sterilisation room	15 sq.mts	Available
	Nurses room	20 sq.mts	Available
	Surgeon's and Anaesthetist's room	20 sq.mts	Available
	Assistant's room	20 sq.mts	Available
	Observation gallery for students	30 sq.mts	Available
	Store rooms	15 sq.mts	Available
	Washing room	10 sq.mts	Available
	Dressing up room	10 sq.mts	Available
Eclampsia room	75 sq.mts	Available	

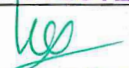
  
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Clinical Teaching Learning Area In sq.mts	Accommodation in a General ward shall not exceed 30 patients/hall and distance between the two beds shall not be less than 1.5m.	Essential	As required
	Museum	25 sq.mts	As required
	Waiting room for patient, enquiry office and staff rooms	Essential	As required
	Accommodation for demonstration room	Essential	As required
	Physical Medicine and rehabilitation unit	2000 sq.mts	As required
	Central hospital pharmacy dispensary	2000 sq.mts	As required
	Central medical record section	200 sq.mts	As required
	Departmental library-cum - seminar room	41sq.mts	As required
	In OPD clinical demonstration room	36.60sq.mts	As required
	In-door Clinical demonstration room/seminar room	50sq.mts	As required
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
Department of Medicine	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	12.6 sq.mts	Available
	Asst. Professors	12.6 sq.mts	Available
	Registrars/Sr. Residents	12.6 sq.mts	Available
	Jr. Residents	18.6 sq.mts	Available
	Non-teaching and clerical staff	12 sq.mts	Available
Department of Tuberculosis and Respiratory Diseases	Departmental library-cum - seminar room	30 sq.mts	Available
	In OPD clinical demonstration room	29.25 sq.mts	Available
	In-door clinical demonstration room/seminar room	30 sq.mts	Available

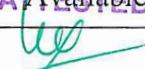
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University Road, Deralakatte  
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	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	12.6 sq.mts	Available
	Asst. Professors	12.6 sq.mts	Available
	Registrars/Sr. Residents	12.6 sq.mts	Available
	Jr. Residents	18.6 sq.mts	Available
	Non-teaching and Clerical staff	12 sq.mts	Available
Department of Dermatology Venereology & Leprosy	Departmental Library-cum - Seminar Room	30 sq.mts	Available
	In OPD Clinical Demonstration Room	31.61sq.mts	Available
	In-door Clinical Demonstration Room/Seminar room	30 sq.mts	Available
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	12.6 sq.mts	Available
	Asst. Professors	12.6 sq.mts	Available
	Registrars/Sr. Residents	12.6 sq.mts	Available
	Jr. Residents	18.6 sq.mts	Available
	Non-teaching and clerical staff	12 sq.mts	Available
Department of Psychiatry	Professor and H.O.D.	18 sq.mts	Available
	Departmental library-cum - seminar room	30 sq.mts	Available
	In OPD clinical demonstration room	30.04 sq.mts	Available
	In-door clinical demonstration Room/Seminar room	30sq.mts	Available
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate professor	12.6 sq.mts	Available
	Asst. professors	12.6 sq.mts	Available
Registrars/Sr. Residents	12.6 sq.mts	Available	

  
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	Jr. Residents	18.6 sq.mts	Available
	Non-teaching and clerical staff :	12 sq.mts	Available
Department of Paediatrics	Departmental library-cum - seminar room	40 sq.mts	Available
	In OPD clinical demonstration Room	36.06 sq.mts	Available
	In-door clinical demonstration room/seminar room	40 sq.mts	Available
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate professor	12.6 sq.mts	Available
	Asst. Professors	12.6 sq.mts	Available
	Registrars/Sr. Residents	12.6 sq.mts	Available
	Jr. Residents	18.6 sq.mts	Available
	Non-teaching and clerical staff :	12 sq.mts	Available
	In OPD clinical demonstration Room	36.06 sq.mts	Available
	In-door Clinical demonstration room/seminar room	40 sq.mts	Available
	Department of Surgery	Departmental library-cum - seminar room	41 sq.mts (60 students Capacity)
Research laboratory		18 sq.mts	Available
In OPD clinical demonstration Room		36.06 sq.mts	Available
In-door clinical demonstration room/seminar room		40 sq.mts	Available
Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)			
Professor and H.O.D.		18 sq.mts	Available
Associate Professor		20.7 sq.mts	Available
Asst. Professors		25.2 sq.mts	Available
Registrars/Sr. Residents		25.2 sq.mts	Available
Jr. Residents		18.6 sq.mts	Available
Non-teaching and clerical staff :		12 sq.mts	Available

  
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Department of Orthopaedics	Departmental library-cum - seminar room	41 sq.mts	Available
	Research laboratory	18 sq.mts	Available
	In OPD clinical demonstration Room	36.06 sq.mts	Available
	In-door clinical demonstration room/seminar room	40 sq.mts	Available
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement.)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	15 sq.mts	Available
	Asst. Professors	12.6 sq.mts	Available
	Registrars/Sr. Residents	15 sq.mts	Available
	Jr. Residents	17.20 sq.mts	Available
Non-teaching and clerical staff	12 sq.mts	Available	
Department of Oto-Rhino-Laryngology	Departmental library-cum - seminar room	41 sq.mts	Available
	Research laboratory	18 sq.mts	Available
	In OPD clinical demonstration Room	36.06 sq.mts	Available
	In-door clinical demonstration room/seminar room	40 sq.mts	Available
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	15 sq.mts	Available
	Asst. Professors	12 sq.mts	Available
	Registrars/Sr. Residents	15 sq.mts	Available
	Jr. Residents	18.40 sq.mts	Available
Non-teaching and clerical staff :	12 sq.mts	Available	
Department of Ophthalmology	Departmental library-cum - seminar room	41 sq.mts	Available
	Research laboratory	18 sq.mts	Available


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Registrar  
Yenepoya (Deemed to be University)  
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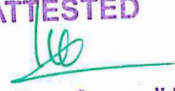
	In OPD clinical demonstration Room	36.06 sq.mts	Available
	In-door clinical demonstration room/seminar room	40 sq.mts	Available
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	15 sq.mts	Available
	Asst. Professors	12 sq.mts	Available
	Registrars/Sr. Residents	15 sq.mts	Available
	Jr. Residents	18.6 sq.mts	Available
	Non-teaching and clerical staff :	12 sq.mts	Available
Department of Radio diagnosis	Departmental library-cum - seminar room	41 sq.mts	Available
	In OPD clinical demonstration Room	36.06 sq.mts	Available
	In-door clinical demonstration room/seminar room	40 sq.mts	Available
	Clinical Teaching: (staff rooms for Professor & HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement. (i) Accommodation for demonstration room shall be provided		
	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	15 sq.mts	Available
	Asst. Professors	12 sq.mts	Available
	Registrars/Sr. Residents	15 sq.mts	Available
	Jr. Residents	18.65 sq.mts	Available
	Non-teaching and clerical staff :	12 sq.mts	Available
	Ultrasound Room	15 sq.mts	As required
	Room for 60 mA Mobile X-ray system	15 sq.mts	As required
Accommodation for CT Scan system. There shall be three equipment rooms, (examination room, control room and computer	80 sq.mts	As required	
There shall be preferable a Magentic Resonance Imaging	Essential	As required	

  
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**Registrar**  
**Yenepoya(Deemed to be University)**  
**University Road, Deraiakatte**  
**Mangalore- 575 018, Karnataka**

	(MRI) system. The space requirement shall be according to the standard specifications.		
Obstetrics & Gynaecology (OBG)	Store room for X-Ray films related material	15 sq.mts	As required
	Departmental library-cum - seminar room	30 sq.mts (50 students capacity)	Available
	Research laboratory	18 sq.mts	Available
	In OPD clinical demonstration Room	38 sq.mts	Available
	In-door clinical demonstration room/seminar room	19.5 sq.mts	Available
	Clinical Teaching: (staff rooms for Professor and HOD, Assoc. Profs., Asst. Profs., Residents, Tutor shall be provided as per requirement)		
	Professor and H.O.D.	18 sq.mts	Available
	Associate Professor	15 sq.mts	Available
	Asst. Professors	12 sq.mts	Available
	Registrars/Sr. Residents	15 sq.mts	Available
	Jr. Residents	18.65 sq.mts	Available
	Non-teaching and clerical staff :	12 sq.mts	Available

  
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 University Road, Derlakatte  
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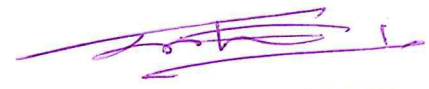
# Laboratory Details & Instruments

<b>LABORATORIES INCLUDING SERVICE LABS</b>		
<b>Student Laboratories</b>		
Dissection Laboratory	1	1
Histology Laboratory	1	1
Physiology Clinical Laboratory	1	1
Hematology Laboratory Physiology Department	1	1
Amphibian Laboratory	1	1
Mammalian Physiology Laboratory	1	1
Undergraduate Practical Biochemistry Laboratory	1	1
Clinical Pharmacology Laboratory	1	1
Experimental Pharmacology Laboratory	1	1
Community Medicine UG Laboratory	1	1
<b>Total Student laboratories</b>	<b>10</b>	<b>10</b>
<b>Diagnostic Laboratories</b>		
Cytopathology Laboratory (Pathology Department)	1	1
Histopathology Laboratory (Pathology Department)	1	1
Hematology Laboratory (Pathology Department)	1	1
Serology Laboratory (Microbiology Department)	1	1
Blood Bank	1	1
Microbiology UG Laboratory (Microbiology Department)	1	1
Bacteriology Laboratory (Microbiology Department)	1	1
Virology Laboratory (Microbiology Department)	1	1
Immunology Laboratory (Microbiology Department)	1	1
Mycology Laboratory (Microbiology Department)	1	1
Mycobacteriology Laboratory (Microbiology Department)	1	1
<b>Total Diagnostic Laboratories</b>	<b>11</b>	<b>11</b>
<b>Research Laboratories</b>		
Anatomy Research Laboratory	1	1
Physiology Research Laboratory	1	1
Dermatology Research Laboratory / Clinical Trail	1	1
Postgraduate Biochemistry Research Laboratory	1	1
Pathology Research Lab	1	1
Microbiology Research Laboratory	1	1
Pharmacology Research Laboratory	1	1
Community Medicine Research Laboratory	1	1

  
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Forensic Research Laboratory	1	1
<b>Total Research Laboratories</b>	<b>9</b>	<b>9</b>
<b>Total Laboratories</b>	<b>30</b>	<b>30</b>
<b>Central Research Laboratory (Centralized)</b> Analytical Division Molecular Biology Cell Culture Biostatistics/Bioinformatics/ Computational Biology Regenerative Medicine and Tissue Engineering System Biology and Molecular Medicine (OMICS) division	1	1
<b>Central Investigation Lab:</b> Histopathology Cytopathology Haematology Microbiology Immunology Clinical Biochemistry	1	1
Blood Bank with refraction facilities	1	1



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Registrar  
Yenepoya(Deemed to be University)  
University Road, Deral  
Mangalore- 575 016, Karnataka

# Equipment list





# YENEPOYA MEDICAL COLLEGE

(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)  
Accredited by NAAC with 'A' Grade

University Road, Deralakatte, Mangaluru - 575 018.

## Equipment list Department of Anatomy

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	General		
1	Table with marble or stainless steel tops with a minimum size of 6' x 2' x3'	18	18
2	Tables with marble or stainless steel tops - half standard size	5	5
3	Drill machine	3	3
4	Hand saw, preferably metal	3	5
5	Band saw for sectioning body and limbs	1	1
6	Brain knife	3	3
7	Mortuary cooler with arrangement to keep 1 body	1	1( for 12 body
8	Storage tank to hold 10 cadavers, static/movable, durable tank with input and output facility with lid	3	8 ( 10each body)
9	Plastic tanks for storing soft and dissected parts	10	10
10	Multimedia Projector with screen	2	2
11	Trolley Table (Steel)	2	22
12	Movie camera with projection screen	1	1
13	Computer with internet connection, & video CD library	3	3
14	X-ray viewing lobby	4	4
15	X-Ray plates/MRI/CAT scan/USG	As required	60
16	Charts, Diagrams, Models, Slides etc.	As required	34
17	Dissecting instruments for cadaveric dissection	As required	10 set
18	Meat cutting machine for thin body sections (trans and vertical) for gross anatomy sectional study	1	1
19	Cadavers	15	16
20	Embalming Machine	1	1
(B)	Histology Laboratory		
21	Microscopes, Monocular	75	104
22	Dissection microscope	4	7
23	Microtomes, rotary (Optional)	1	2

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Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
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24	Microtomes, Sledge, large cutting	1	1
25	Cabinet for slides (1000)	5	5
26	Incubators	1	1
27	Paraffin embedding bath	1	2
28	Hot plates for flattening sections	1	1
29	Hot air oven for drying slides (45 °C)	1	1
30	Refrigerators (Minimum 165 litres)	2	3
31	Marking pencils	As required	Available
(C)	Museum		
32	Articulated Skeleton set	7	7
33	Bones (Dis-articulated) sets	30	30
34	Specimen Wet	150	350
35	Steel racks	As required	Available
36	Laptop	1	1
37	Desktop Computer, with Printer	3	3
38	Photocopier and Scanner	1	1
39	CPU with LCD Monitor	1	1

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## Equipment list Department of BIOCHEMISTRY

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
1.	Analytical Balance : upto 200g/1gm increment	2	2
2.	Urinometers calibrated (Mercury based instruments to be replaced with other alternatives)	20	25
3.	Hot air oven (More than 200 litres)	2	2
4.	Digital Colorimeters	5	5
5.	Student Microscopes	5	10
6.	Glucometer with strips ( For POCT )	2	10
7.	Thermometer 0 – 250 degree Celsius (Mercury based instruments to be replaced with suitable alternatives)	5	5
8.	Semi autoanalyser	2	2
9.	Boiling Water baths	2	2
10.	Constant temperature water bath Tank Capacity (Temperature range 5 to 80° Celsius)	1	1
11.	Laboratory Reagent Refrigerators, capacity > 200 litres	3	3
12.	Complete Chromatographic Unit for paper & TLC	2 each	2
13.	Centrifuge clinical for ≥ 8 tubes	2	2
14.	pH meters of wide range digital	5	5
15.	Fixed volume pipettes -- 1ml,0.5ml,0.2ml,0.1 ml and 0.02ml	5 (of each volume)	10 each
16.	Complete Electrophoresis apparatus with power supply (Paper, PAGE, agarose)	1 each	1
17.	Densitometer with computer	1	1
18.	Bottle dispensers	20	20
19.	All glass distillation apparatus	1	1
20.	Vortex mixers	2	2
21.	Incubator 37°C	2	2
22.	Variable and fixed volume micro auto pipettes	As required	Available
23.	Glass ware & accessories	As required	Available

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24.	Fume cupboard	1	1
25.	Digital analytical balance	1	1
26.	Balance Micro	1	1
27.	Spectrophotometer	1	1
28.	ELISA (Demonstration)	1	1
29.	Laptop	1	1
30.	Desktop Computer, with Printer	2	2
31.	Photocopier and Scanner	1	1
32.	Multimedia Projector with screen	2	2

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## Equipment list Department of Human Physiology

Sl. No.	Name of the Items	No. Required	Available
1.	Sherrington Starling kymograph (electrically driven)	2	2
2.	Myograph stand	2	45
3.	Inductorium	2	2
4.	Simple key	2	2
5.	Short circuiting key	2	2
6.	Pohl's commutator	2	2
7.	Vibrating interrupter	2	2
8.	Muscle trough	2	2
9.	Muscle lever	2	2
10.	Muscle grip of femur clamp	2	2
11.	Hook and Weight set	2	6
12.	Heart lever (simple & Starling)	2	2
13.	Frog board for dissection	2	2
14.	Enamel tray	2	10
15.	Frog board cork lined with boss head	2	10
16.	Low voltage unit for tapping 2 and 4 volts for stimulation	2	2
17.	Electromagnetic time marker	2	2
18.	Tuning fork time marker 100/sec	2	2
19.	Electrodes	2	2
20.	X-blocks	2	2
21.	Spirit lamps	2	4
22.	Marey's tambour	2	2
23.	Microscopes, oil immersion	60+8	60+8
24.	Demonstration eye piece	4	4
25.	Double demonstration eye piece	4	5
26.	Stage incubator	1	1

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27.	Westergren's pipette for E.S.R. on stand(with space pipette)	30	62
28.	Wintrobe's pipette for ESR and PCV with stand	30	30
29.	Perimeter Pristely Smith S/LP.984 B & T	15	15
30.	Hemoglobin-meter Sahli's or Hellige (with spaces)	60	60
31.	Hemocytometer	60	60
32.	Sphygmomanometer (digital) (Mercury based instruments to be replaced with suitable alternatives)	60	60
33.	Stethoscopes	60	60
34.	Stethoscopes, demonstration with multiple ear pieces	4	4
35.	Polygraphs	1	1
36.	Venous pressure apparatus	2	2
37.	Spirometer, ordinary	20	20
38.	Gas analysis apparatus, Halden's student type	1	1
39.	Van Slyke's apparatus manometric	1	1
40.	Gas analyser automatic for CO <sub>2</sub> , O <sub>2</sub> , N <sub>2</sub>	1	1
41.	Douglas bag, complete	2	6
42.	Basal metabolism apparatus	1	1
43.	Mosso's Ergograph	10	10
44.	Clinical thermometer (Mercury based instruments to be replaced with suitable alternative)	60	60
45.	Compass aesthesiometer	20	25
46.	Thermo-aesthesiometer	20	20
47.	Algometer	20	20
48.	Apparatus for passive movement	1	5
49.	Knee hammer	40	40
50.	Stethograph	20	20
51.	Bicycle Ergometer	1	6
52.	Olfactometer	1	1
53.	Ophthalmoscope		2
54.	Schematic eye		4

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55.	Phakoscope	1	1
56.	Perimeter with charts (Lister's)	5	5
57.	Color perception lantern Edridge green	2	2
58.	Maddox rod	1	1
59.	Newtons color wheel	1	1
60.	Tuning fork to test hearing 32-10000 cps(sets-100, 256, 512 hz)	20	59
61.	Dynamometer	2	15
62.	Otorhinolaryngoscope	1	6
63.	Sterilizer electrical	1	1
64.	Instrument trolley	1	2
65.	Stop watch	20	20
66.	Multi channel Physiograph, 3 channels, complete with accessories	3	3
67.	Student physiograph, (single channel) with accessories	8	8
68.	Centrifuge, high speed with technometer	1	3
69.	Colorimeter, photoelectric	1	1
70.	pH meter electric	1	1
71.	Refrigerator	1	1
72.	Oxygen cylinder with trolley	1	4
73.	CO2 cylinder with trolley	1	4
74.	Electronic stimulator	1	2
75.	Water distillation steel with spare heating elements	1	1
76.	All glass distillation apparatus double stage	1	1
77.	Voltage stabilizer	1	1

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Registrar  
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78.	Thermometers, balances, microslides and glassware	As required	Available
79.	Digital Physiograph	2	2
80.	Models and Charts	25 each	50
81.	ECG Machine	3	5
82.	Laptop	1	1
83.	Desktop Computer, with Printer	3	3
84.	Photocopier and Scanner	1	1
85.	Multimedia Projector with screen	2	3
	Note: The animal experiments included in the curriculum should be demonstrated through CAL, charts/photographs/models and videos.		

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## Equipment list Department of Pharmacology

Sl. No.	Name of the Items	No. Required (as per MC)	Available
(A)	<b>I. Clinical Pharmacy</b>		
1	Special Drug Delivery systems like Metered Dose Inhalers, Spacers, Rotahalers, Nasal sprays, Transdermal patches, Insulin infusion pumps, Insulin pen etc.	15 sets	15 sets
2	Samples of dosage formulations of various types including rational and irrational FDC, Essential medicines	15 sets	15 sets
3	Manikins for demonstration of intravenous injection, enema, local, intramuscular injections, intra cardiac injection and other routes of drug administration	15 sets	15 sets
	<b>Additional Items</b>		
	Metered dose inhales	-	15
	Spacers	-	15
	Rota halers	-	15
	Nasal Sprays	-	15
	Transdermal patches	-	15
	Insulin pen	-	15
(B)	<b>II. Computer Assisted Learning Laboratory</b>		
4	Minimum 1 computer per 10 students (Maybe shared with a similar facility in the institution) Must have computers with standard configuration and connected to the internet, (Preferably broadband) along with an AV aids (Multimedia Projector and Screen). The PC should be installed with CAL programmes and other software for teaching experimental pharmacology. The students must have access to the National Essential Drug Lists, Standard Treatment Guidelines, Banned Drugs List of the CDSCO, PVPI, WHO, Price Controlled Drugs List, Antibiotic Guidelines, Hospital formulary, adverse drug reactions, and other resource material which the student can use for learning the principles of rational prescribing.	Minimum 15 computers	15

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<b>(C)</b>	<b>III. Experimental Pharmacology</b>		
5	For UG course, the facilities and equipment in the experimental lab can be shared with the Physiology department. The experiments included in the curriculum should be demonstrated through charts/photographs/models and videos.	Available	Available
<b>(D)</b>	<b>IV. Clinical Pharmacology</b>		
6	Stop watch	As required	Available
7	Digital Sphygmomanometer	As required	Available
8	Critical Flicker Fusion Apparatus	As required	Available
9	Pupillometer	As required	Available
10	Chart, Models and videos to illustrate the pharmacodynamic and pharmacokinetic properties of drugs, adverse drug reactions, drug administration techniques	As required	Available
<b>(E)</b>	<b>V. General:</b>		
11	Laptop	1	1
12	Desktop Computer, with Printer	2	2
13	Photocopier and Scanner	1	1
14	Multimedia Projector with Screen	2	2

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## Equipment list Department of Microbiology

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	General		
1	Anaerobic apparatus	2	2
2	Autoclave	3	3
3	Balance Electronic Digital	2	2
4	Biosafety Cabinet Type - 2A	3	3
5	BOD Incubator	1	1
6	Centrifuge	4	4
7	CO2 Incubator/Candle Jar	2	2
8	Computer Unit	3	3
9	Deep Freeze -20° C & Deep Freezer	1 each	1
10	Distilled water Plant	1	1
11	Elisa Reader	2	2
12	Elisa Washer	2	2
13	Hot Air Oven	2	2
14	Incubator	3	3
15	Lab Refrigerator (minimum 400 litres)	4	4
16	Laminar flow	1	1
17	Micrometer eye pieces	2	2
18	Micrometer stage	2	2
19	Microscope Binocular (Students)	90	90
20	Microscope Binocular	4	4
21	Microscope with universal condenser containing oil immersion, Bright field, Phase Contrast & Dark ground	1	1
22	Multimedia Projector	2	2
23	PH determination apparatus	2	2
24	Serum inspissators	1	1
25	VDRL shaker	2	2
26	Vortex Mixer	2	2



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27	Water bath with variable temperature	2	2
28	Automated Blood Culture System	1	1
29	Colony Counter	1	1
(B)	Consumables for Culture and Serological Diagnosis		
30	Antibiotic Discs for Antibiotic susceptibility testing	As required	Available
31	Antibiotic zone scale	As required	Available
32	Antisera-Salmonella	As required	Available
33	Antisera-Shigelladysenteriae	As required	Available
34	Antisera-Shigella flexneri	As required	Available
35	Antisera-Shigella sonnei	As required	Available
36	Antisera-Vibrio cholerae	As required	Available
37	ATCC strain - Enterococcus faecalis 29213	As required	Available
38	ATCC strain - E.coli 25922	As required	Available
39	ATCC strain - E.coli 35218	As required	Available
40	ATCC strain - Pseudomonas aeruginosa 27853	As required	Available
41	ATCC strain - Staphylococcus aureus 25923	As required	Available
42	ATCC strain - Staphylococcus aureus 29213	As required	Available
43	Bottles for blood culture	As required	Available
44	Micropipettes – Multi channel & Single channel	As required	Available
45	Materials for preparation of various Culture Media	As required	Available
46	Materials required for various Microbiological Stains	As required	Available
47	Digital Thermometers of different temperatures	As required	Available
48	Various Kits for Serological diagnostics	As required	Available
49	Laptop	1	1
50	Desktop Computer, with Printer	2	2
51	Photocopier and Scanner	1	1

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 Registrar  
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## Equipment list Department of Pathology

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	General		
1	Desktop Computers with High Speed Internet, Laser Black & White Heavy duty Laser, Printers, Color Inkjet Printers, Scanners, Photocopy (Xerox) Machines, Telephone with STD facility, Fax Machine etc. Every faculty & Resident must have separate Desktop/Laptop with high speed Internet facility. Office table small and big, office chairs; museum almirahs; study table, staff room, and library almirahs, stock almirahs, store room racks, lockers with coat hangers and drawers as required. Laboratory benches with cupboards and rack for reagent bottles, water, gas and electric points, operation tables etc. as necessary.	As required	Available
(B)	Morbid Histology and Morbid Anatomy		
2	Specimen Identification Solutions	1	1
3	Weighing machine for cadavers (300 Kg.)	1	1
4	Manual Rotary Microtome	2	2
5	Automated Rotary Microtome	1	2
6	Cryostat	1	1
7	Hot plate	2	2
8	Paraffin embedding bath	2	2
9	Heated Paraffin Embedding Module	2	2
10	Cold Plate for Modular Tissue Embedding System	1	1
11	Automated Tissue Processor –Histokinette	2	2
12	Autoclave	2	2
13	Ultrapure water solutions - Distilled water plant	1	1
14	Water bath	1	1
15	Centrifuge machine	5	5
16	Cabinet for slides	As required	12
17	Autopsy tables	Common with Forensic Dept.	Common with Forensic Dept

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*kes*  
Dr. Gangadhara Somayaji K.S.  
Registrar  
YenePOYA (Deemed to be University)  
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18	Digital SLR at least 20 megapixel with micro, macro, wide angle zoom lenses, Flash and other accessories	1	1
19	Digital Automatic camera > 5 megapixel	1	1
20	Fully Automated high throughput Multi-Stainer Workstation	1	1
21	Fully Automated Embedding System (Heated embedding module & cold plate)	1	1
22	Fully Automated Flexible Coverslipping Workstation	1	1
23	Standalone paraffin dispensing module cold plate holding more than 100 cassettes	1	1
24	Stand alone cold plate	1	1
25	Troughs for staining	As required	Available
26	Coplin jars	As required	Available
27	Water bath (Tissue Floatation)	As required	Available
28	Single Pan Digital Balance, Chemical	2	3
29	Balance, chemical with weights	2	2
30	Microscopes For Students – LED Binocular with Scanner, 10X, 40X, & Oil immersion lenses and inbuilt Battery backup power source	60	60
31	For Diagnostic & Research Work - Trinocular head Microscope with Bright field, Dark field, Fluorescent & Polarizing Facility, high end Apochromatic lenses with Camera with HDMI Multi output camera Minimum 5MP with Projector & Ultra HD TV > 52 inches & Screen including Software Capable of Bright field & Immunofluorescence Photography with connectivity to projector & LED TV (At least 55 inches Ultra HD)	1	1

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
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32	For every Professor, Associate & Assistant Professor : Binocular Microscopes with High end Semiapochromatic Optics of international standard.	As required	Available
33	For every Tutor – Binocular Microscope with suitable high end lenses.	As required	Available
34	Penta Head Microscope with High end Optics with HDMI Multi output Photographic camera (> 5 MP) including Software	1	1
35	Deca Head Microscope with High end Optics with HDMI Multi output Photographic camera (> 5 MP) including Software	1	1
36	Grossing Station - Stainless steel, with Control panel, air filtration system, Track mounted adjustable computer arm with articulation, LED lights that are color and intensity, Dedicated USB ports for camera control and data transfer adjustable, Integrated pathology camera system, Instrument Set (High quality) Height Adjustable Stainless Steel Chairs With Split AC of appropriate capacity.	1	1
37	Fully Automated Immuno-histo-chemistry Setup with Continuous supply of Important Antibodies, Lymphoma Panel etc.	1	1
38	Automatic High Speed Slide Scanner for converting Slides in Digital Format with software and Database Management with backup for Data Storage	1	1
(C)	Hematology Lab:		
39	Five part Fully Automated Cell Counter	1	6 part - 1
40	Three Part Fully Automated Cell Counter	1	5 part - 1
41	Coagulometer (Fully automated)	1	2
42	Magnifying lens	3	3
43	Blood pressure instrument	5	5
44	Laboratory Counter	As required	Available

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Dr. Gangadhara Somayaji K.S.  
Registrar  
YenePOYA (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka



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45	Laboratory stirrer	As required	Available
46	Automatic timer	5	5
47	Balance for weighing organs	1	1
48	Saws, wire for cutting bones	As required	Available
49	Slide boxes for 100 slides for students	200	200
50	Drill for boring glass	As required	Available
51	X-ray viewing box (LED)	2	2
52	Sternal puncture needle adult size	As required	Available
53	Sternal puncture needle child size	As required	Available
54	Liver Biopsy needle	As required	Available
55	Stop watch reading at 1/5 second.	5	5
56	pH Meter electric	5	5
57	Electrophoresis Set Up	1	1
58	LED Wireless Projector	3	3
59	Museum jars.	As required	Available
60	Surgical instruments.	5 Sets	5 sets
61	Glassware, stains, chemicals reagents etc. for histological work.	As required	Available
(D)	Clinical Laboratory:		
62	Five Part Hematology Analyzer	1	6 part -1

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Dr. Gangadhara Somayaji K.S.  
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63	Three Part Hematology Analyzer	2	5 part -1
64	Automatic Urine Analyzer	2	2
65	Binocular Microscopes with high end optics including 100X & LED Fluorescence for each Faculty/ resident working in lab plus 2 microscopes for technicians.	As Mentioned	Available
66	Sp. Gravity Measure	2	2
67	pH meter	2	2
68	Incubator	2	2
69	Haemacytometers with red and white pipettes	90	90
70	Syringes disposable	As required	Available
71	Staining jars for slides.	As required	Available
72	Automatic Hematology Slide Stainers.	As required	Available
73	Urinometers(Mercury based instruments to be replaced with other alternatives)	As required	Available
74	Centrifuge tubes graduated.	As required	Available
75	Graduated cylinders for various capacities ranging from 100 cc to 1000 cc.	As required	Available
76	Pipettes of various sizes with disposal tips.	As required	Available
77	Reagent bottles	As required	Available
78	Dropping bottles	As required	Available
79	Reagents	As required	Available
80	Balances –Digital Single Pan Sensitive Chemical balance	As required	Available
(E)	Specimens:		
81	Mounted Specimens	300	1336
82	Wet Specimens	150	300
<p>Note: Equipment must be of International specification &amp; standards, regular calibration, running of international standard controls, comprehensive maintenance are mandatory. Department must have High Speed Internet Facility &gt; 2 MB/S. Adequate Desktop, Laptops, Printers, Scanners, Portable Hard Disks, DVD Writer etc. For office and for the Faculty &amp; Residents</p>			

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

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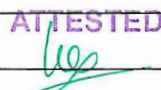
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### Equipment list Department of Forensic Medicine & Toxicology

Sl. No.	Name of the Item	No. Required (as per MCI)	Available
(A)	<b>Teaching</b>		
1.	Multimedia Projector , CPU & Projection Screen	2	2
2.	Television, DVD Player	1	1
3.	Digital SLR Camera With Accessories	1	1
4.	Microscope Student Type	20	20
5.	X-Ray View Box Two In One	6	6
6.	Stop Watch	4	4
7.	Anthropometric Set including	2	2
	A) Folding Metal Rod Upto 7 Ft	-	1
	B) Osteometric Board	-	1
	C) Goniometer	-	1
	D) Vernier Calipers	-	2
	E) Equipment for Reporting Height	-	2
	F) Weighing Machine Dial Type Human	-	2
8.	Digital pH Meter	1	11
9.	Digital Spectrophotometer	1	1
10.	Chemical Balance	1	1
11.	Distillation Plant	1	1
12.	Refrigerator	2	2
13.	Centrifuge	1	1
14.	Slide Warming Table	2	2
15.	Hot Plate	2	2
16.	Glass Cutting Pencil	2	2
17.	Spectroscopic Lens With Adjustable Slit	2	2
18.	Dissection Set Complete	2	2

  
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19.	Digital BP Instrument	2	2
20.	Stethoscope	2	2
21.	Charts and Models	30 each	30
<b>(B)</b>	<b>Research</b>		
22	Binocular Research Type With Attachment For Camera	1	1
23	Deep Freezer For Keeping Tissue	1	1
24	Automatic Tissue Processing Machine	1	1
	Following can be shared with Central Research Lab:		
25	Microtome With Knife	1	1
26	Paraffin Bath Embedding	1	1
27	Water Bath For Tissue Flootation	1	1
28	L Modes	1	1
29	Block Holder	1	1
30	Abrasive Powder	1	1
31	Thin Layer Chromatograph	1	1
32	Gas Chromatograph	1	1
33	Ultra Violet Spectroscope	1	1
34	Infra Red Spectroscope	1	1
35	Mass Spectrometer	1	1
<b>(C)</b>	<b>Medico legal work</b>		
36	Cold Storage For Dead Bodies	8	8
37	Weighing Machine For Dead Bodies	1	1
38	Autopsy Tables	4	4
39	Stryker Type Autopsy Saw With Accessories	4	4
40	Weighing Machine For Organs	3	3
41	Weighing Machine For Fetus	2	2
42	Dissection Set Complete	4	4
43	Brain Knife	6	6
44	Hack Saw	3	3
45	Rib Shear Left & Right	2 Each	2 Each

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Registrar  
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46	Measuring Tape( Steel Tape Roll)	4	4
47	Magnifying Lens	4	4
48	X- Ray View Box (4 In 1)	3	3
49	Tooth Extractor Left & Right	2	2
50	Hand Set Heat Sealer	1	1
51	Instrument Trolley	As required (Minimum 3)	Available
52	Stretchers for shifting dead bodies	As required (Minimum 3)	Available
53	Rectal Thermometer	4	4
54	Portable X-ray Machine (can be shared with Radiology Department) Additional Equipment For Medico Legal Work For Each 500 Medico legal Post Mortems Beyond 500 Post Mortems Annually	1	1
55	Cold Storage For Dead Bodies	2	2
56	Autopsy Tables	2	2
57	Stryker Type Autopsy Saw With Accessories	1	1
58	Weighing Machine For Organs	1	1
59	Weighing Machine For Fetus	1	1
60	Dissection Set Complete	1	1
61	Brain Knife	2	2
62	Hack Saw	2	2
63	Rib Shear Left & Right	1 Each	1 Each
64	Measuring Tape( Steel Roll)	2	2
65	Magnifying Lens	2	2
66	X- Ray View Box	1	1
(D)	Consumable for medico legal work		
68	Disposable Cap-Mask-Gown, Gloves Etc.	As required	Available
69	Cotton Rolls, Suture Materials Etc.	As required	Available
70	Formalin, Rectified Spirit,Lugol's Iodine	As required	Available
71	Swabs, Preservative Bulbs etc.	As required	Available

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72	Viscera Bottles etc.	As required	Available
73	Syringe (5, 10, 50 ml)	As required	Available
74	Preservative Salts	As required	Available
75	Packing and Sealing materials	As required	Available
(E)	For Sexual Assault Examination [*]		
76	Victim examination table (Gynecological Examination table	1	1
77	Screen	As required	Available
78	OT light Shadowless adjustable	1	1
79	Hymenoscope	2	2
80	Colposcope	2	2
81	Sims Speculum	4	4
82	Cuscos Speculum	2	2
83	Sponge holding forceps	4	4
84	Toothed forceps	4	4
85	Ovum forceps	2	2
86	Proctoscope	4	4
87	Torch	1	1
	[*] Mandatory for the colleges where sexual assault examination done in FMT Department but not applicable to colleges where sexual assault examination is not done in FMT		
88	Desktop Computer	3	3
89	Laptop	1	1
90	Printer with Scanner	2 each	2 each
91	Photocopier machine	1	1

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### Equipment list Department of Community Medicine

Sl. No	Name of the Items	No. Required as per MCI	Available
1	Barometer (Mercury based instruments to be replaced with other alternatives)	1	1
2	Filter, Pasteur Chamberland, complete set	1	1
3	Filter, Berke fed	1	1
4	Hydrometres, Spirit	3	3
5	Hydrometres, milk	3	3
6	Hygrometers, wet and dry bulb	3	3
7	Incubator, electric (can be procured from Microbiology)	1	1
8	Museum jars	As per the number of specimens	81
9	Models, charts, diagrams, specimen	Min: Models 80, Charts 50	Min: Models 81, Charts 88
10	Balance Analytical 200 gm.	2	2
11	Balance for weighing food stuff(Capacity 2 Kg).	3	3
12	Centrifuge clinical	1	3
13	Weighing machine adult	8	10
14	Baby weighing machine	3	6
15	Salters Baby weighing machine	4	4
16	Harpender Calipers (for skinfold thickness)	4	4
17	Height measuring stand	4	4
18	Refrigerator 9 cu.ft.	3+Additional one each at RHTC and UHTC	3+Additional one each at RHTC and UHTC
19	Ice Lined Refrigerator (I.L.R.) (at Health Centre)	1	1
20	Dissecting microscope	40	40
21	Microscope oil immersion	3	12

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22	T.V. and DVD player	4 each(2 at college and 2 at Centres)	4 each(2 at college and 2 at Centres)
23	Autoclave (Can be shared with Pathology/Microbiology department)	1	1
24	Computer with printer, scanner and photocopier and Internet facility	5	5
25	Vehicles for transport of students/interns/faculty/ paramedical staff to the RHTC and UHTC	2 Buses (32 capacity) and one SUV	2 Buses and one SUV
26	Multimedia Projector with Screen	2	3
27	Public Address system (2 portable for field based activities and one each for RHTC & UHTC)	4 Sets	4 Sets
28	Chloroscope	10	10
29	Horrock's Apparatus	3	3
30	MUAC tapes	10	10
31	Haemoglobino meter	5	5
32	BP Apparatus (Digital)	10	12
33	Stethoscope	10	10
34	Kata Thermometer	3	3
35	Globe Thermometer	3	3
36	Anemometer	4	4
37	Sound level meter	4	4
38	Soil testing kit	1	1
39	Water sampling bottle from any depth	1	1
40	Needle Shredder	3	3
41	Vaccine carrier	5	6
42	Craft water testing kit	1	1
43	Protective devices for occupational safety	3 sets	3 sets
44	Ear muffs	As required	Available

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45	Ear plugs	As required	Available
46	Safety helmet	As required	Available
47	Goggles	As required	Available
48	Safety boots	As required	Available
49	Swine flu kit	As required	Available
50	Gloves	As required	Available
51	Triple layer surgical mask	As required	Available
52	High efficiency mask	As required	Available
53	Long sleeved cuffed gown	As required	Available
54	Protective eye wear	As required	Available
55	Cap	As required	Available
56	Disposable delivery kit	As required	Available
57	Treatment kits as per national health programs	3 each	3each
58	Iodine testing kit	10	10
59	Glucometer	10	10
60	Slide set for entomology	5	5
61	Mosquito catching kit	4	4
62	Clinical Thermometer	10	10
63	Sling psychrometer	3	3
64	Solar radiation thermometer	3	3
65	First Aid Kit	1	1
66	Spirometer	3	3
67	Audiometry	1	1
68	Otoscope	1	1
69	Ophthalmoscope	1	1
70	Laptop	1	1
71	Portable X-ray (may be shared with other departments)	1	1
72	ECG(may be shared with other departments)	1	1

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### Equipment list Department of Anaesthesiology

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	OPD Anaesthesia Clinic		
1	Patient examination table	3	3
2	Blood Pressure Instrument (Non-invasive)	3	3
3	Height Measurement Scale	3	3
4	Weighing machine	3	3
(B)	Operation Theatre		
5	Anaesthesia machine and accessories like laryngoscope, all size endotracheal tubes, nasal and oral airways, Magill's forceps,	one set for each operation table	Available
6	Multipara monitor- with P, NIBP, ECG facility, SpO2	one set for each operation table	Available
7	Electrical Suction apparatus	one set for each operation table	Available
8	LMA / PLMA of all sizes	one set for each operation table	Available
9	Spinal epidural set	one set for each operation table	Available
10	EtCO2 monitor	one set for each operation table	Available
11	Defibrillator	one set for each operation table	Available
12	Mechanical ventilator Separate or with anaesthesia machine	one set for each operation table	Available
13	Fibre optic bronchoscope	1	1
14	USG machine (Desirable)	1	1
15	PNS (Desirable)	1	2

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16	Resuscitation equipment (CPR)- Ambu bag with face mask	2set	2
17	a) Adult Manikin	3	3
18	b) Paediatric Manikin	3	3
19	Multimedia Projector with screen	2	2
20	Computer with Printer & Scanner	2	2
21	Photocopier	1	1
22	High definition TV	1	1
(C)	Postoperative Recovery Room		
23	Oxygen therapy unit	8	8
24	Blood Pressure Monitor (digital/Electronic)	8	8
25	Pulse oximeter	8	8
26	E.C.G. Monitor	8	8
27	Suction Machine	8	8
28	Provision for resuscitation equipment and CPR Algorithms	1	1
29	Airway crash cart	1	2
30	ABG machine (Optional)	1	1
31	Side lab for emergency investigations (optional)	1	1
32	TOF monitor (PNS) (optional)	1	2
(D)	Pain Clinic		
33	Radio frequency ablation machine	2	2
34	Fluoroscopy machine (e-ARM)(may be shared with other department)	2	2
35	Ultrasound machine	1	1
36	Patients controlled analgesia system (portable)	1	1
37	Styleted Epidural catheter	10	10
38	Rac's catheters	As required	As required

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		As required	As required
39	Intrathecal infusion pumps		
40	Pain assessment chart	4	4
41	OT Table fluoroscopy compatible	2	2
42	Nerve locator	1	1
43	Computer	2	2
44	Anodyne Machine (optional) (for diabetic foot care)	2	2
45	Transcutaneous Electric Nerve Stimulating Machine (optional)	1	1
46	Anaesthetic machine with resuscitation equipment	2	2
47	Crash cart	2	2
48	Monitors for vital signs (NIBP, P.R, ECG, SPO2, Temperature, R.R)	2	2
49	Nerve stimulator	2	2
50	18 G epidural needle	4	4
51	Multimedia Projector with screen	1	1

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### Equipment list Dermatology, Venerology & Leprosy

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
1	Hyfrecator/ Electrosurgical instrument	1	1
2	Cryotherapy with liquid Nitrogen	1	1
3	Iontophoresis machine	1	1
	Facilities for examining smears for bacteria, fungi, mycobacteria and acantholytic cells		
4	(a) Light microscope	2	2
5	(b) Giemsa stain	As required	Available
6	(c) KOH smear	As required	Available
7	Wood's lamp	1	1
8	Multimedia Projector with Screen	1	1
	Additional Equipment		
	<ol style="list-style-type: none"> <li>1. Carbon dioxide laser</li> <li>2. Radio surgery</li> <li>3. Cryosurgery</li> <li>4. Microscopes</li> <li>5. Photomicrography</li> <li>6. Hand held Dermoscope (Heine Delta 20+)</li> <li>7. Video dermoscope (Photofinder-Medicam 1000)</li> <li>8. Digital camera</li> <li>9. Dermajet</li> <li>10. Micromotor Dermabrader</li> <li>11. Equipments for Vitiligo sugery</li> <li>12. Nail surgery equipment</li> <li>13. Equipments for PRP therapy</li> <li>14. High speed centrifuge unit</li> <li>15. Chemical peel</li> <li>16. Long pulsed Nd: YAG laser</li> <li>17. Q Switched Nd: YAG laser</li> </ol>		Available as additional Equipments
	Fractional CO <sub>2</sub> laser		

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### Equipment list Department of Otorhinolaryngology

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	<b>OPD</b>		
1	Sterilizer	1	1
2	Cidex instrument sterilization tray	2	2
3	Digital /Electronic BP Apparatus	1	Available
4	Stethoscope	2	3
X-ray view box in all OPD rooms 5 sets each consisting of :			
5	Thudicum/St.Clair Thomson Nasal Speculum different sizes	4	Available
6	Lac's Tongue depressor different sizes	4	Available
7	Laryngeal mirrors different sizes	4	Available
8	Nasopharyngeal mirrors different sizes	4	Available
9	Aural speculum different sizes	4	Available
10	Ear Suction different sizes	2	Available
11	Nasal Suction different sizes	2	Available
12	Suction apparatus	1	Available
13	Siegel's speculum	1	Available
14	Tuning fork (512 Hz)	1	Available
15	Tuning fork (256 Hz)	1	Available
16	Tuning fork (1024 Hz)	1	Available
17	Otoscope with halogen bulb, rechargeable battery and Siegle attachment	1	Available
18	Bayonet forceps	2	Available
19	Bulls lamp	1	Available
20	Head Mirror	1	Available
21	Head Light With LED/Halogen lamp	1	Available
22	Jobson Horne probe	2	Available
23	Instrument tray	1	Available

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24	Kidney tray	2	Available
25	The OPDs should have Otoendoscope, Nasalendoscope, Laryngeal telescope with camera, monitor and light source for teaching purposes (1 Unit of the above may be placed either in Minor OT or Endoscopy room or in the OPD in the Consultant Chamber)	As mentioned	Available
26	Optional- One treatment unit may be placed in the Consultant Chamber in the OPD which will facilitate and replace the instruments required in that room for examination purposes and help in teaching clinical skills.	As mentioned	Available
(B)	<b>WARD</b>		
27	Four sets consisting of the instruments required in the OPD should be kept in the ward for teaching purposes and for examination	As mentioned	Available
28	One mobile spotlight, One Tracheostomy set should be placed in the ward.	As mentioned	Available
29	The ward side room/emergency treatment room should have a mobile spotlight.	As mentioned	Available
(C)	<b>MAJOR OPERATION THEATRE.</b>		
The OTs should be equipped with the requisite equipment for anaesthesia, cautery machines, suction machines and general operative sets.			
(a) Tonsillectomy and adenoidectomy set - 2 sets, each consisting of			
30	Biopod	1	Available
31	Boyle-Davis mouth gag with difference size blades	1	Available
32	Tonsil holding forceps	1	Available
33	Tonsil dissector and pillar retractor	1	Available
34	Waugh's tenaculum forceps: plain and tooth	2	Available
35	Tonsil snare	1	Available
36	Burkit artery forceps	1	Available
37	Wilson's double curved artery forceps	1	Available
38	Negus artery forceps	1	Available
39	Tonsil scissors	1	Available
40	Adenotome	1 (optional)	Available
41	Adenoid curette with and without cage	2	Available
42	Yankaueroropharyngeal suction (disposable)	1	Available
(b) Set for nasal bone fracture			
43	Asch forceps	1	Available
44	Walsham forceps	1	Available
45	St. Vlair Thompson Nasal Speculum	1	Available
46	Killian Long bladed Nasal speculum	1	Available
(c) Septoplasty set			
47	Nasal dressing forceps	1	Available
48	Knife handle	1	Available
49	Killian's nasal speculum	1	Available

50	Freer elevator	1	Available
51	Howarth elevator	1	Available
52	Cottle elevator	1	Available
53	Sickle knife	1	Available
54	Ballenger's swivel knife	1 (optional)	Available
55	Luc tissue cutting forceps	1	Available
56	Takahashi forceps	1	Available
57	Fish tail (bayonet shape) gouge	2	Available
58	Nasal mallet	1	Available
(d) FESS set			
59	Rigid nasal endoscope 0 degree, 4 mm and 2.7 mm size	1 each	Available
60	Rigid nasal endoscope 30 degree, 4 mm and 2.7 mm size	1 each	Available
61	Light source and light cable	1	Available
62	Endoscopic Camera with suitable display with recording and archiving facility. (with High Definition Camera)	1	Available
63	Sickle knife	1	Available
64	Retrograde punch	1	Available
65	Blakesley forceps – straight 1 and upturn	1	Available
66	Nasal suction cannula different sizes	4	Available
67	Double curved suction cannula different sizes	4	Available
68	Sinus probe and curette	1	Available
69	Lacrimal probes for endoscopic DCR (optional)	1	Available
70	General Fess Instruments	1	Available
(e) Direct laryngoscopy set			
71	Anterior commissure laryngoscope for adult and pediatric sizes	2	Available
72	Laryngoscope for adult and pediatric sizes	2	Available
73	Negus laryngoscope	2 (optional)	Available
74	Light source	1	Available
75	Light cable	1	Available
76	Biopsy forceps	2	Available
77	Foreign body removal forceps	2	Available
78	Laryngeal suction	2	Available
(f) Microlaryngoscopy set			
79	Kleinsasser's laryngoscope	2	Available
80	Fibreoptic lighting system	2	Available
81	Suspension system for Laryngoscope	2	Available
82	Microlaryngeal cup forceps	2	Available
83	Microlaryngeal Scissors	2	Available
(g) Tympanoplasty set			
84	Graft knife	1	Available
85	Graft scissors	1	Available
86	Graft press	1	Available
87	Aural speculum	4	Available
88	Rosen first incision knife	1	Available

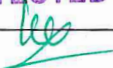
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89	Curette	2	Available
90	Drum elevator	1	Available
91	Blunt elevator	1	Available
92	Sickle knife	1	Available
93	Ball probe	1	Available
94	Micro suction Cannula with thumb adaptor	4	Available
95	Ear granulation forceps straight, up turn and side turn	3	Available
96	Graft forceps	1	Available
<b>(h) Mastoidectomy set</b>			
97	Mallet	2 (optional)	Available
98	Gouge (different sizes)	4 (optional)	Available
99	Knife handle	1	Available
100	Mosquito artery forceps	4	Available
101	Cat's paw retractor	2	Available
102	Endaural retractor/post aural retractor for right and left ear	2	Available
103	Electric drill (motor, hand piece and burrs)	2 sets	Available
104	Mastoid seeker	2	Available
105	Aditus seeker	2	Available
106	Malleus head nipper	2	Available
107	Suction cannula with adapter for thumb control	4	Available
108	Ear granulation forceps straight, up turn and side turn	3	Available
<b>(i) Stapedectomy set</b>			
109	Pick-straight	2	2
110	70 Angled	2	2
111	Perforator	2	2
112	Measuring rod	2	2
113	Prosthesis crimper	2	2
<b>(j) Oesophagoscopy set</b>			
114	Oesophoscopes sizes for different age group	3	Available
115	Light source and cable	1	Available
116	Biopsy forceps	3	Available
117	Foreign body removal forceps	3	Available
118	Suction cannula	3	Available
119	Oesophageal dilators	1 set	Available
<b>(k) Bronchoscopy set</b>			
120	Bronchoscopes different sizes for different age groups	3	Available
121	Light source and cable	1	Available
122	Biopsy forceps	3	Available
123	Foreign body removal forceps	3	Available
124	Peanut forceps	3	Available
125	Suction cannula	3	Available

  
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<b>(l) Tracheostomy set</b>			
126	Needle holder	1	Available
127	Bard Parker knife handle	1	Available
128	Ribbon right angled retractors	2	Available
129	Curved arteries	4	Available
130	Straight arteries	1	Available
131	Cricoid hook	1	Available
132	Tracheal dilator	1	Available
<b>(m) Excision Biopsy Set</b>			
133	Doyen mouth gag	1	Available
134	Jenin's mouth gag	1	Available
135	Knife handle	2	Available
136	Adson's tissue holding forceps toothed	2	Available
137	Adson's tissue holding forceps plain	2	Available
138	Mayo scissors different sizes	3	Available
139	Mosquito curved artery forceps	6	Available
140	Curved artery forceps	6	Available
141	Ellis tissue forceps	4	Available
142	Babcock tissue forceps	2	Available
143	Cat's paw retractors	2	Available
144	Right angle retractors	2	Available
145	Skin hook single	2	Available
146	Skin hooks double	2	Available
147	Needle holder different sizes	3	Available
148	Thread cutting scissors	1	Available
<b>D) MINOR OPERATION THEATRE</b>			
<b>(a) Direct laryngoscope set</b>			
149	Laryngoscope – Anterior Commissure	1	Available
150	Negus	1	Available
151	Lighting system	1	Available
152	Biopsy forceps	1	Available
153	Foreign body removal forceps	1	Available
<b>(b) Micro ear examination set</b>		2	Available
154	Aural speculum	4	Available
155	Suction cannula	4	Available
156	Aural cup forceps	2	Available
<b>(c) Nasal packing set</b>		2	Available
157	St Clair Thompson nasal speculum different sizes	4	Available
158	Nasal packing forceps	1	Available
159	Nasal suction cannula	4	Available
<b>(d) Nasal endoscopy trolley with 0 degree &amp; 30 degree 4mm endoscope with light source, cable , monitor &amp; camera</b>		1	Available
<b>(e) Others</b>			
160	Higginson syringe	2	Available

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161	Sterilizer	As required	Available
162	Aural Syringe	As required	Available
163	Tracheostomy set	As required	Available
164	Intubation set	As required	Available
165	Bowls, kidney treys, towel clips, sponge holding forceps and	As required	Available
(E)	<b>Miscellaneous Equipment</b>		
166	Operating microscope for major Operation Theatre ( with camera attachment & monitor for teaching and recording )	1	Available
167	Electrocautery Unit	1	Available
168	Spot Mobile Light	1	Available
169	Basic OT table	1	Available
170	Operating microscope for minor Operation Theatre	1	Available
171	Puretone audiometer	As required	Available
172	Brainstem evoked response audiometer with ASSR	As required	Available
173	OAE Impedance audiometer (With sound treated air-conditioned room for audiometry)	As required	Available
174	Multimedia Projector with Screen	1	Available
	Teaching models/simulators as a part of the college CAL lab to teach clinical skills and procedure to the students must be available		
(F)	<b>Additional Equipment</b>		
175	Flexible nasopharyngolaryngoscope	1	Available
176	Electronystagmograph(Optional)	1	Available
177	Brainstem evoked response audiometer	1	Available
178	Goggles, plastic apron, gloves for examination of patients with biohazard (HIV & AU+ve)	As required	Available

  
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## Equipment list Department of Medicine

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
1.	B.P. Apparatus (Mercury containing instruments should be replaced by digital or other suitable)	40	40
2.	Ophthalmoscope	10	10
3.	Lumbar puncture needles (disposable)	As required	Available
4.	Pleural biopsy needles (disposable)	As required	Available
5.	Liver biopsy needles (disposable)	As required	Available
6.	Kidney biopsy needles (disposable)	As required	Available
7.	Bone marrow biopsy needles (disposable)	As required	Available
8.	Bone marrow aspiration needles (disposable)	As required	Available
9.	X-ray viewing box	18	18
10.	Flexible Video End viewing Oesophago-Gastroduodenoscope (optional)	1	1
11.	Flexible Video Colonoscope (optional)	1	1
12.	Flexible Video Side viewing Gastroduodenoscope for ERCP (optional)	0	1
13.	Proctoscope	8	8
14.	Fiber optic bronchoscope (May be shared with TB&CD)	1	1
15.	Spirometer	4	4
16.	Bed side cardiac monitors	20	20
17.	Central Cardiac monitor Console	1	1
18.	Defibrillator,	1 per unit + 1 each for MICU,ICCU and 1 for casualty ward	1 per unit + 1 each for MICU,ICCU and 1 for casualty ward

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19.	Non-invasive B.P. Apparatus	20	20
20.	Pulse oximeter	24	24
21.	Equipment for Cardiac pacing	1	1
22.	Ambu bag	14	14
23.	Laryngoscope	12	12
24.	ECG machine	10	10
25.	Echocardiography machine	1 portable unit	1
26.	Tread mill test machine	1	1
27.	Hemodialysis machine	4	4
28.	Peritoneal dialysis catheters	As required	Available
29.	Arterial blood gas analyzer	1	1
30.	Glucometer	14	14
31.	EMG and nerve conduction velocity machine	1	1
32.	Fine needle aspiration needle	As required	Available
33.	Aspiration needle	As required	Available
34.	Endotracheal tubes	As required	Available
35.	Invasive Mechanical Ventilator	8	8
36.	Non Invasive mechanical ventilator (Maybe shared with TB and CD)	5	5
37.	Nebulizer	14	14
38.	Portable Suction Machine	2 with each ward, 1 for MICU, 1 for ICCU, 1 for casualty ward, 1 for OPD	2 with each ward, 1 for MICU, 1 for ICCU, 1 for casualty ward, 1 for OPD
39.	Infusion pumps	1 with each bed of MICU and ICCU plus 4 / unit	1 with each bed of MICU and ICCU plus 4 / unit

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40.	Weighing scale	2/unit + 2 in OPD	7
41.	Multimedia Projector with Screen	2	2
42.	Patient Examination table	6	6
43.	Rubber Hammer	12	12
44.	Computer	1/unit 1/MICU, 1/ICCU, 1/OPD	5
45.	Torch	16	16
46.	Emergency Lights	6	6
47.	Upper GI endoscope (Optional)	3	3
48.	Sigmoidoscope (optional)	3	3
49.	Colonoscope (optional)	3	3
50.	*Haemocytometer	5	5
51.	*Light Microscope	3	3
52.	*Haemoglobinometer	5	5
53.	*Urinometer	3	3
	* Required where ward side laboratories are available		

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### Equipment list Department of Surgery

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	OPD		
1	Digital/Electronic BP Apparatus, Weighing Machine, Stethoscope, Height scale	6 each	6 each
2	X ray viewing box 4 in 1	6	6
3	Proctoscope	10	10
(B)	Minor O.T.	2	2
4	Operation Theatre Table	2	2
5	Operation Theatre Ceiling light	2	2
6	Pedestal lights	4	4
7	Electro-surgical cautery unit	4	4
8	Suction	4	4
9	Pulse oximeter	2	2
10	Anesthesia Equipment	1 set	1
11	Resuscitation kit	1	1
12	Assorted surgical instrument for minor operation sets	12	12
13	Autoclave	1	1
(C)	Wards		
14	Digital/Electronic BP Apparatus, Stethoscope	20 each	20
15	Weighing Machine, Height scale	10 each	10
16	Proctoscope	10	10
17	Non invasive Multi Para Monitors	5	5
18	ECG machines	5	5
(D)	Operation Theatre		
19	CC Camera for Student demonstration for OT	9	9

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20	Operation Theatre Table	9	9
21	Operation Theatre Ceiling light	9	9
22	Pedestal lights	9	9
23	Electro-surgical cautery unit	15	15
24	Suction machine	9	9
25	Pulse oximeter	9	10
26	Anesthesia Equipment(as per requirement of Dept)	9 sets	9
27	General Sets including open Urological surgery (4 for each Operation Theatre)	36	36
28	Pediatric surgical instrument set	2	2
29	Burr hole set with electric craniotome	2	2
30	Vascular set	2	2
31	Diagnostic and Operative laparoscope including one High Definition with all accessories and hand instruments.	2	2
32	Cystoscope & Resectoscope	1	1
33	Flexible Video Colonoscope	1	1
34	Flexible Video Side viewing Gastroduodenoscope for ERCP	1	1
35	Flexible Video End viewing Oesophago-Gastroduodenoscope	1	1
36	Flexible Video Sigmoidoscope	1	1
37	Flexible Video Bronchoscope	1	1
38	C-arm image intensifier	1	1
39	Operative ultrasound	1	1
40	Harmonic Scalpel	2	2
41	Assorted Open & Laparoscopic Stapling devices	2 sets	2
42	Multimedia Projector with Screen	2	2
	Note: All the surgical wards should have wall mounted suction lines along with piped wall mounted central O <sub>2</sub> lines on all beds. They should have resuscitation equipment		

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### Equipment List Department of Obstetrics & Gynaecology

Sl. No.	Name of The Items	No. Required (as per MCI)	Available
(A)	General		
1	Speculums and retractors	100	100
2	EA + ECC sets	12	12
3	Cytology bottle	10	10
4	Microscope	2	2
5	MR Syringes	7	7
6	Colposcope	1	1
7	Cryo/electro cautery apparatus	1	1
8	Simple fetal Doppler	2	6
9	NST machine	2	4
10	Stitch removal sets	7	7
11	Dressing sets	7	7
12	Ultrasound machine	1	1
13	Weighing machine	3	3
14	Height scale	2	3
15	View box	1	3
16	Digital/ Electronic Blood Pressure apparatus, measuring tapes, gloves, syringes, needles, torch	6	6
17	Resuscitation tray (Laryngoscope, ET tube, Ambu bag, suction catheter)	2	2
18	Suction machine	2	2
19	Hysterosalpingogram Cannula	3	3
20	PCT forceps	5	5
21	Ayer's spatula	40	40

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(B)	Main Operation Theatre		
22	Abdominal Hysterectomy set (Artery forceps, scissors, scalpel, Allis's kelly's clamp, Babcock forceps, thumb forceps, Harington & Richardson retractors.)	4	4
23	Vaginal Hysterectomy set	3	3
24	Scalpel, scissors, metal catheter, Sim's, Speculum volsellum, Kelly's clamps, right angle retractor, arteries, Allis, uterine sound, bladder sound.	3	3
25	Tuboplasty set	1	1
26	Myomectomy instruments (Myoma screw, Boney's clamp)	1	1
27	Diagnostic laparoscopy set	1	1
28	Operating laparoscopy set including one with HD with all accessories & hand instruments.	1	1
29	Laparocator for tubal ligation	1	1
30	Operative Hysteroscopy set	1	1
31	Electronic Carbondioxideinsuffator/ Insuffator basic unit	2	2
32	Resectoscope	1	1
33	Hysteromat	1	1
34	Operative microscope	1	1
35	Electrocautery	3	3
(C)	Labour Room		
36	Delivery sets	20	20
37	Digital/ Electronic B.P. Apparatus	4	4
38	Weighing machine	1	1
39	Fetal Doppler	1	1
40	Cardiotocogram machine	2	4
41	Portable ultrasound	1	1
42	High suction machine	2	2
43	Resuscitation tray	2	2

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(D)	Special Equipment		
44	Oxytocin infusion pumps	2	5
45	Multichannel monitors	4	4
(E)	Teaching Set		
46	Doll and Dummy	1	1
47	Female Pelvis	1	1
48	Gross specimens	10	10
49	X-ray/US films	5	5
50	View box	1	1
51	Multimedia Projector with Screen	1	1
52	Set of instruments for teaching purpose	1	1
(F)	Minor Operation Theatre		
53	Cervical biopsy set	2	2
54	MTP set	3	3
55	D&C set	3	3
56	IUCD insertion/removal set	5	5
	Additional Instruments		
57	High suction machine	2	2
58	Resuscitation tray	1	1
59	E.B. set	3	3
60	Operation Theatre table, Operation Theatre lights, Central O2 and suction	As required	Available
(G)	Maternity Operation Theatre		
61	Set for LSCS	12	12
62	D&C set	3	3
63	MTP set	3	3
64	High suction machine	2	2

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65	Cervical exploration set	2	2
66	Uterine packing forceps	3	3
67	Abdominal hysterectomy set	1	1
68	Diagnostic laparoscopy set	1	1
69	Postpartum ligation	2	2
70	Vacuum Extractor and suction machine	1	1
71	Resuscitation tray	1	1
72	Infusion Pump	1	1
73	EB set	2	2
74	Laparocator for tubal ligation	1	1
75	Operation Theatre table, Operation Theatre lights, Central O2 and suction	As required	Available
(H)	Wards		
76	Blood Pressure Apparatus (Digital/Electronic)	4	4
77	Weighing machine	1	1
78	Height scale	1	1
79	Speculum and retractors	30	30
80	Glucometer	1	1
81	Suture removal sets	8	8
82	Dressing sets	5	5
83	Ultrasound	1	1
84	Cutdown sets	1	1
85	CTG machine	1	1
86	Suction machine	2	2
87	Resuscitation tray	2	2
88	X ray View box	1	1
89	Central O2 and suction	As required	Available

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(I)	Special Equipment		
90	Ultrasound machine with Doppler/Vaginal probe/facilities for Interventional procedure	1	1
91	Oxytocin infusion pumps	2	2
92	Multichannel Monitor with ECG, BP, HR, Pulse oximeter for high risk pregnant patients (eclampsia, heart diseases etc.)	3	3
93	Fetal Monitor for Antepartum Surveillance	3	3
94	CTG machine	1	1
95	Suction machine	2	2
96	Resuscitation tray	2	2
97	X ray View box	1	1
98	Central O2 and suction	As required	Available
(I)	Special Equipment		
99	Oxytocin infusion pumps	2	2
100	Multichannel Monitor with ECG, BP, HR, Pulse oximeter for high risk pregnant patients (eclampsia, heart diseases etc.)	3	3
101	Fetal Monitor for Antepartum Surveillance	3	3
102	Multimedia Projector with Screen	2	2

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### Equipment list Department of Ophthalmology

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	O.P.D.		
1	Snellen Chart/Snellen drum with or without remote control	4	7
2	Trial set with trial frame both for adult and children	4	5
3	Automated Perimeter	1	1
4	Color vision chart –Original Ishihara	3	3
5	Near vision chart with different languages	4	7
6	Torch	As required	Available
7	Ophthalmoscope (Direct)	4	4
8	Streak Retinoscope	4	4
9	Indirect Ophthalmoscope	3	3
10	Slit lamp	3	5
11	Applanation tonometer	3	4
12	Keratometer	1	1
13	Synoptophore	1	1
14	Maddox Rod	1	1
15	Maddox Wing	1	1
16	Diplopia goggles	1	1
17	Gonioscope	2	2
18	Placido disc	1	1
19	Prism Bar	1	1
20	Schiotz's tonometer	4	4
(B)	Major Operation Theatre		
21	Operating microscope with TV Unit with camera	2	2
22	Cryo Unit	1	1
23	Cataract set	6	6
24	Glaucoma set	3	3
25	DCT/ DCRR set	2	2

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26	Entropion set	3	3
27	Eucleation set	5	5
28	Evisceration set	2	2
29	Squint set	3	3
(C)	General Ophthalmic Equipment		
30	Operation Theatre Table	2	2
31	Operation Theatre Light	2	2
(C)	Minor Operation Theatre: Minor O.T. should have the equipment for the removal of the foreign body, sutures, and chalazion or sty. e.		
(D)	Wards:		
32	Slit lamp	2	2
33	Snellen chart/Snellen drum with or without remote control	1	1
34	Trial set with trial frame both for adult and children	1	1
35	Near vision chart with different languages	1	1
36	Torch	As required	Available
37	Ophthalmoscope	1	1
38	Indirect Ophthalmoscope	1	1
39	Multimedia Projector with Screen	1	1

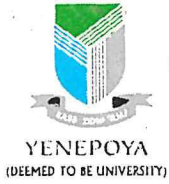
**Note:**

- Wards should have wall mounted suction lines along with piped wall mounted central O<sub>2</sub> lines on at least 5 beds.
- Wards should have resuscitation equipment like laryngoscope, all size endotracheal tubes, nasal and oral airways, Magill's forceps, LMA / PLMA of all sizes, Electrical suction apparatus, AED -1.
- Operation theatres should have wall / dongle mounted suction lines along with piped wall / dongle mounted central gas (O<sub>2</sub>, NO<sub>2</sub> lines).
- Operation theatres should have resuscitation equipment like Anaesthesia machine and accessories like laryngoscope, all size end tracheal tubes, nasal and oral airways, Magill's forceps, Mechanical ventilator - separate or with anaesthesia machine, LMA /

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 Registrar  
 YenePOYA (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

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### Equipment list Department of Orthopaedics

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
1	General instrumentation set for fracture reduction	8 sets	8
2	Set for Hip Replacement	1	1
3	Set for knee replacement	1	2
4	Interlock nailing sets	1 each	1 each
5	Specific fixation sets (Proximal Humerus, Distal humerus, Intertrochanter, proximal and distal tibia, pelvic fixation, pedicle screw, lateral mass screw and ACDF for cervical spine)	1	2
6	Small Fragment and large fragment	4	4
7	External Fixator	8	8
8	Fracture reduction OT tables	1	2
9	Simple OT tables	2	2
10	Cautery machines	1	2
11	Pneumatic drill and reamer	1	1
12	Electrical drill and reamer set	1	4
13	Laminar airflow system in OT (for OT - where joint replacement surgeries are carried out)	1	1
14	C-Arm (Image Intensifier)	1	3
15	Portable X-ray Machine	1	3
16	Arthroscope	1	2
17	Multimedia Projector	1	1
18	Plaster room equipment (sets) with plastic table.	2	2
19	Physiotherapy and occupational Therapy equipment sets	As required	1
20	Movie Camera for demonstration of live operations	1	1

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	<b>Note:</b> All the orthopaedic wards should have wall mounted suction lines along with piped wall mounted central O <sub>2</sub> lines on all beds. They should have resuscitation equipment like laryngoscope, all size endotracheal tubes, nasal and oral airways, Magill's forceps, LMA / PLMA of all sizes, Electrical suction apparatus, AED -1.		
	The OPD should have		
21	Plaster tables	2	2
22	Electric plaster cutter	4	4
23	Reflex hammer	10	12
24	Measure tape	20	20
25	Goniometer	10	10
<b>Additional Items</b>			
26	Battery operated drill	-	2
27	External fixator	-	6
28	Pneumatic Tourniquet	-	3
29	Electric Burr system	-	1
30	Microdissectomy retractor set	-	1

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### Equipment list Department of Paediatrics

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	Resuscitation equipment:		
1	Ambu bag and Face mask - Neonate & infant	6	14
2	Ambu bag & Face mask – Children	4	4
3	Nasal prongs	As required	Available
4	Nasal catheters	As required	Available
5	Endotracheal tubes	As required	Available
6	Suction apparatus	6	24
7	Suction catheters	As required	Available
8	Laryngoscope - Infant	4	4
9	Laryngoscope - Children	4	4
(B)	Oxygen Delivery System-		
10	Oxygen cylinder	6	6
11	Oxygen regulator	6	6
12	Oxygen Humidifiers	6	24
13	Oxygen head-box (of each size)	As required	Available
14	Nebulizers	6	6
(C)	Drug Delivery Equipment/ Catheter/tube-		
15	Blood Transfusion set	As required	Available
16	Intra-venous (I.V.) Drip set	As required	Available
17	Measure volume Set	As required	Available
18	Intra-venous (I.V.) Cannula (Butterfly type)	As required	Available
19	Intracath (different sizes)	As required	Available
20	Umbilical vein Catheter	As required	Available
21	Infant Feeding tubes	As required	Available

Dr.Gangadhara Somayaji K.S.  
Registrar  
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22	Three way and four way valve	As required	Available
(D)	Measurement Equipment		
	Digital Weighing machine	As required	Available
23	- Infant	2	2
24	- Child	2	2
25	- Neonates	2	2
26	Infantometer	3	3
27	Stadiometer	4	4
28	Measuring tape	As required	Available
29	Shakir's tape	As required	Available
30	Digital Thermometer-Oral *(Mercury based instruments to be replaced with other alternatives)	As required	Available
31	BP measuring Instrument with various cuff sizes - Digital (Only Non mercury alternatives to be used)	6	6
(E)	Work Lab and Investigations:		
32	Bone marrow needle	4	4
33	Lumbar Puncture (L.P.) Needles	4	4
34	Pleural aspiration needle	4	4
35	Vim-Silverman liver biopsy needle	4	4
36	True Cut Renal biopsy needle	4	4
37	X-ray view box	8	8
(F)	Miscellaneous		
38	Glucometer	3	3
39	Pulse Oximeter	6	6
40	CPAP machine*	3	5
41	Mechanical Ventilator (neonatal and child)	2+2	4+2
42	Radiant Warmer	8	16
43	Phototherapy unit	6	10

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44	Ophthalmoscope	3	3
45	Pleural Fluid Collection Bag	As required	Available
46	Urine Collection Bag	As required	Available
47	LED phototherapy unit	3	6
48	Multimedia Projector with Screen	1	2
49	Laptop	1	1
<b>Additional</b>			
50	Laptop	-	1
51	Multipara Monitors	-	25
52	Syringe pump	-	33
53	Infusion pump	-	29
54	Portable X- RAY machine	-	1
55.	Transcutaneous Bilirubinometer	1	1
	Note: CPAP machine, Mechanical Ventilator, Radiant Warmer, Phototherapy unit, Pulse oximeters, Multipara monitors, are required in proportion to Neonatal and Pediatric ICU bed capacity. Phototherapy unit should preferably be double surface. NICU should preferably have Transcutaneous Bilirubinometer.	As required	Available
	Oxygen supply should be from central pipeline through manifold gas supply system, liquid oxygen supply, suction should be through wall mount supply system. Essential equipment should be according to age of the children i.e neonate/infant/toddler/children.	As required	Available

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Mangalore- 575 018, Karnataka

*[Signature]*  
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### Equipment list Department of Radio-Diagnosis

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
<b>(A)</b>	<b>General</b>		
1	Conventional X-ray Unit for routine X ray 300 mA, 500mA, 800mA (with IITV) - 1 each	2+2+1 Total - 5	6
2	C- Arm- Mobile (Allengers) HF 49 , Maditronics HF 49R, Surgico 100R HF, Allengers )HF 59R	2	4
3.	Computer Radiography – Fuji – Reader,	3	3
4	Computer Radiography – Fuji – printer	2	2
<b>(B)</b>	<b>Mobile X-ray units</b>		
3	a) 60 mA	3	3
4	b) 100mA	3	3
5	Ultrasonography equipment and color Doppler (Additional unit independently for OBGY).	3+1	7
6	CT (MD CT SCAN) (16 slice)/(acquiring 128slice CT)	1	1
7	Mammography (Preferably).	1	1
8	MRI (GE SIGNA PIONEER 3T) (Preferably).	1	1
9	Multimedia Projector with Screen	1	1
	Note: The department should have resuscitation equipment like laryngoscope, all size endotracheal tubes, nasal and oral airways, Magill's forceps , LMA / PLMA of all sizes, Electrical suction apparatus		

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### Equipment list Department of Psychiatry

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
(A)	General		
1	Electro Convulsive Therapy (E.C.T.) machine preferably with ECG & EEG monitoring	1	1
2	EEG Machine (may be shared with medicine department)	1	1
3	ECT machine without monitor	2	2
4	EEG machine (may be shared with medicine/neurology department)	1	1
5	Lithium analyzer (may be shared with clinical pathology department)	1	1
6	Bio feed-back instruments (sets)	1	1
7	Thin layer chromatography (for drug dependence treatment) (may be shared with other departments or in Central Research lab)	1	1
8	Alcohol breath analyzer	1	2
(B)	Psychological tests equipment		
9	a) Projective tests	3	3
10	b) Intelligence tests	3	3
11	c) Personality tests	3	3
12	d) Neuro psychological tests	3	3
13	Multimedia Projector with Screen	1	2
	<b>Note:</b> ECT treatment room to be equipped with the basic anesthesia machine with ventilating circuit, monitors, ECG/ETCO2 and paO2, noninvasive BP monitoring equipment for resuscitation, intubation, ventilation and suction.		

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### Equipment List Department of Tuberculosis & Respiratory Diseases

Sl. No.	Name of the Items	No. Required (as per MCI)	Available
1	Peak flow meters	6	6
2	Nebulizers	8	8
3	Intercostal Drainage Facility	6	6
4	Pleural Biopsy Needles	4	4
5	Pulse Oximeter	8	8
6	Fiber optic Bronchoscope	2	2
7	Rigid Bronchoscope	1	1
8	Pulmonary function Test machine with facility for spirometry, lung volume and diffusion capacity	1	1
9	BP Instrument (Mercury based instruments to be replaced with suitable alternatives)	8	8
10	Weighing Scale	2	5
11	Non Invasive Mechanical Ventilator	8	8
12	Height Scale	2	4
13	Multimedia Projector with Screen	1	1
<b>Additional facility</b>			
	Resuscitation kit	-	3
	Multipara Monitors	-	08
	ECG	-	02
	MDR treatment facilities	-	01(08 beded)
	PFT equipment	-	01
	Crash cart	-	02
	DLCO	-	01
	Syringe pump	-	03
	Suction Apparatus	-	03
	X-ray view box	-	07
	Glucometer - 02	-	02
	Polysomnography	-	01
	Smoke Analyzer (PICO Bedfont)	-	01
	FENO (PICO Bedfont)	-	01

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### Blood Bank list of equipments

Sl. No	General Equipments and Instruments:	No. Required	Available
1.	For blood collection room:		
	(i) Donor beds, chairs and tables: These shall be suitably and comfortably cushioned and shall be of appropriate size.	As Required	Donor Couch 3 nos Tables-4 Chairs-10
	(ii) Bedside table.	As Required	3
	(iii) Sphygmomanometer and Stethoscope.	As Required	12 /3
	(iv) Recovery beds for donors.	As Required	4
	(v) Refrigerators, for storing separately tested and untested blood, maintaining temperature between 2 to 6 degrees centigrade with digital dial thermometer, recording thermograph and alarm device, with provision for continuous power supply.	As Required	Total Number: 4 2 Wheecon/ 2 Terumo Penpol Capacity:300L
(vi) Weighing devices for donor and blood containers.	As Required	<ul style="list-style-type: none"> <li>• 2 weighing machines</li> <li>• 4 manual blood bag weighing machine</li> <li>• 4 electronic blood monitoring devices</li> </ul>	
2.	For hemoglobin determination:		
	(i) Sterile lancet and impregnated alcohol swabs.	As Required	Available
	(ii) Capillary tube (1.3x1.4x96 mm or pasteur pipettes)	As Required	Available
	(iii) Rubber bulbs for capillary tubings.	As Required	Available
	(iv) Sahli's haemoglobinometer/Colorimetric method.	As Required	Available
3	For temperature and pulse determination:		
	(i) Clinical thermometers.	As Required	Available

**Dr.Gangadhara Somayaji K.S.**  
 Registrar  
 Yenepoya(Deemed to be University)  
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	(ii) Watch (fitted with a seconds-hand) and a stop-watch.	As Required	Available
4.	For blood containers:		
	(a) Only disposable PVC blood bags shall be used (closed system) as per the specifications of IP/USP/BP.	As Required	Available
	(b) Anti-coagulants: The anti-coagulant solution shall be sterile, pyrogen-free and of the following composition that will ensure satisfactory safety and efficacy of the whole blood and/or for all the separated blood components.	As Required	Available
	Citrate Phosphate Dextrose Adenine solution (CPDA) or Citrate Phosphate	As Required	Available
	NOTE 1. In case of single/double/triple/quadruple blood collection bags used for blood component preparations, CPDA blood collection bags may be used.	As Required	Triple/Quadruple bags with CPDA-1 used.
	Additive solutions such as SAGM, ADSOL, NUTRICEL may be used for storing, and retaining Red Blood Corpuscles upto 42 days.	As Required	SAGM is used
	NOTE2 The licensee shall ensure that the anti-coagulant solutions are of a licensed manufacturer and the blood bags in which the said solutions are contained have a certificate of analysis of the said manufacturer.	As Required	Available
5	Emergency equipments/items.		
	(i) Oxygen cylinder with mask, gauge and pressure regulator.	As Required	2
	(ii) 5 percent Glucose or Normal Saline.	As Required	Available
	(iii) Disposable sterile syringes and needles of various sizes.	As Required	Available
	(iv) Disposable sterile I.V. infusion sets.	As Required	Available

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Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
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	(v) Ampoules of Adrenaline, Noradrenaline, Mephentin, Betamethasone or Dexamethasone, Metoclorpropamide injections	As Required	Available
	(vi) Aspirin.	As Required	Available
6.	Accessories:		
	i. Such as blankets, emesis basins, haemostats, set clamps, sponge forceps, gauze, dressing jars, solution jars, waste cans.	As Required	Available
	ii. Medium cotton balls, 1.25 cm. adhesive tapes.	As Required	Available
	iii. Denatured spirit, Tincture Iodine, green soap or liquid soap.	As Required	Available
	iv. Paper napkins or towels.	As Required	Available
	v. Autoclave with temperature and pressure indicator.	1	1
	vi. Incinerator	As Required	Hospital
	vii. Stand-by generator.	As Required	UPS
7.	Laboratory equipment:		
	i. Refrigerators, for storing diagnostic kits and reagents, maintaining a temperature between 4 to 6 degree centigrade (plus/minus 2 degrees centigrade) with digital dial thermometer having provision for continuous power supply.	As Required	3
	ii. Compound Microscope with low and high power objectives.	As Required	1
	iii. Centrifuge Table Model	As Required	3
	iv. Water bath: having range between 37 degree centigrade to 56 degree centigrade	As Required	1
	v. Incubator with thermostatic control.	As Required	Available
	vi. Mechanical shakers for serological tests for Syphilis.	As Required	Available
	vii. Hand-lens for observing tests conducted in tubes.	As Required	Available

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viii. Serological graduated pipettes of various sizes	As Required	Available
ix. Pipettes (Pasteur)	As Required	Available
x. Glass slides	As Required	Available
xi. Test tubes of various sizes/micrometer plates (U or V type)	As Required	Available
xii. Precipitating tubes 6mmx50mm of different sizes and glass	As Required	Available
xiii. beakers of different sizes	As Required	Available
xiv. Test tube racks of different specifications.	As Required	Available
xv. Interval timer electric or spring wound. .	As Required	Available
xvi. Equipment and materials for cleaning glass wares adequately.	As Required	Available
xvii. Insulated containers for transporting blood, between 2 degree centigrade to 10 degree centigrade temperatures, to wards and hospitals.	As Required	Available
viii. Wash bottles	As Required	Available
xix. Filter papers	As Required	Available
xx. Dielectric tube sealer.	As Required	2
xxi. Plain and EDTA vials	As Required	Available
xxii. Chemical balance (wherever necessary)	As Required	1
xxiii. ELISA reader with printer, washer and micropipettes.	As Required	1

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## YENEPOYA RESEARCH CENTRE

Yenepoya (Deemed to be University)

University Road, Deralakatte

Mangalore - 575018.

Email : [research@yenepoya.edu.in](mailto:research@yenepoya.edu.in)

[dydirectoryrc@yenepoya.edu.in](mailto:dydirectoryrc@yenepoya.edu.in)

Ph : +91 8242204668/69/70, Ext. 2035

# YENEPOYA RESEARCH CENTRE

TOTAL BUILT UP AREA 1424.44sq. mts

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*Rakla P. D.*

**List of Research Equipments available for research in the central facility of Yenepoya Research Centre**

Sl. No	Equipment Name/ Model	Manufacturer	Quantity
1.	Thermomixer	Eppendorf	1
2.	Gel documentation system transilluminator	VILBER	1
3.	CO2 incubator	CellXpert	1
4.	CO2 incubator	Galaxy	1
5.	Microscope	Magnus	1
6.	Peristaltic pump	Shenchen	1
7.	Hypoxia chamber	Stem cell	1
8.	Hypoxia chamber		1
9.	Precision weighing balance	Wensar	1
10.	Incubator	Rotek	1
11.	Stereomicroscope	Euromex	1
12.	Drybath	Biobee	1
13.	Water Bath Shaker	Rotek	1
14.	Empty Liquid Nitrogen container	Precise	1
15.	Vacuum oven	Inkarp Instrument	1
16.	Dancing Shaker	Tarsons	1
17.	Spinix Vortex Shaker	Tarsons	1
18.	Spinwin Tim Micro Centrifuge	Tarson	1
19.	Magnetic stirrer	Cole-Parmer	1
20.	Minicentrifuge	Tarsons	1
21.	Minicentrifuge	Tarsons	1
22.	Binocular Microscope	Leica	4
23.	Cell counter	Luna	1

24.	Hi Loop sterilizer	Himedia	1
25.	Ultrasonic Water Bath	Antech	1
26.	Autoclave	rotek	1
27.	Biosafety cabinet 4 feet	Sandhya	1
28.	Weghing balance	Shimadzu	1
29.	Rheometer	Brookfield	1
30.	Lyophilizer	Labcoco corporation	1
31.	Digital inverted fluorescent microscope	EVOS	1
32.	Magnetic stirrer	IKA	1
33.	Magnetic stirrer	IKA	1
34.	Magnetic stirrer	IKA	1
35.	FTIR- Spectrophotometer	Shimadzu	1
36.	Rotary evaporator	IKA	1
37.	Forma 900 Series upright double door freezers	Thermo Scientific	1
38.	Locator Jr. LN2 storage systems	Thermo Scientific	1
39.	Celfrost -20°Cupright freezer	Celfrost	1
40.	Multiskan microplate reader	Thermo Scientific	1
41.	Medical X-ray film processor	Optimax	1
42.	Tabspin microcentrifuge	Himedia	2
43.	Homogenizer with adaptor	Fastprep	1
44.	Rocky max	Tarsons	1
45.	Prima trio thermal cyler	Himedia	1
46.	Microvolume Spectrometer	Colibri	1
47.	Minilys homogenizer	Bertin technologies	1
48.	Bench top shaker for CO 2 incubator	Infors HT	1
49.	Fluorescent microscope	Euromax	1

  
**PRINCIPAL / DEAN**  
**YENEPOYA MEDICAL COLLEGE**  
**MANGALORE-575018**

  
**Deputy Director**  
**Yenepoya Research Centre**  
**Yenepoya (Deemed to be University)**  
**D Page 117 of 205 iru-575018**

**ATTESTED**  
  
**Dr.Gangadhara Somayaji K.S.**  
**Registrar**  
**Yenepoya(Deemed to be University)**  
**University Road, Deralakatte**  
**Mangalore- 575 018, Karnataka**

50.	Reachin plant Growth Chamber	Hi Point, Taiwan	1
51.	Brookfield Viscometer	Brookfield	1
52.	Simulator of Chemical Sensor	Zensor, Taiwan	1
53.	Orbitrap Fusion Mass Spectrometer/ Orbitrap Fusion Tribrid	Thermo Fisher Scientific	1
54.	AB SCIEX QTRAP 6500 - ACA/OMICS Mass Spectrometer/ QTRAP 6500	SCIEX	1
55.	FACS S3e Cell Sorter/ Cell Sorter S3e	Bio-Rad	1
56.	Flow Cytometer/ Guava easy Cyte	Merck Millipore	1
57.	Thermal cycler/ CFX 96 optics module	Bio-Rad	1
58.	U-HPLC SYSTEM/ 1290 INFINITY II (G7120A)	AGILENT	1
59.	Microtome/ Rm2245	Leica	1
60.	Heated paraffin Embedded Module/ EG1150H	Leica	1
61.	Tissue Processor/ TP 1020	Leica	1
62.	Thermo Scientific Forma Steri-cycle i160 CO2 incubator/ 51030534	Thermo Scientific	1
63.	Multimode Microplate Reader/ FLUO star Omega	BMG Labtech	1
64.	Individually ventilated cages/ 61128 W	Allied Biosystems & Services	1
65.	HPLC/ ORGANIZER	Hitachi	1
66.	Thermo Scientific 1300 Series A2 Class II, Type A2 Biological Safety Cabinet package – 6 foot/ 1389	Thermo Scientific	1
67.	Gel Documentation system/ Chemi Doc It 2810	UVP	1
68.	Hybridization Oven/ UV cross linker/ HL-2000 Hybrilinker	UVP	1
69.	Gas Chromatography/ GC 1110EDC	Thermo Fisher Scientific	1
70.	Easy-nLC1200/ nLC1200	Thermo Fisher Scientific	1

71.	Thermo Scientific 1300 Series A2 Class II Type A2 Biological Safety Cabinet 4 feet/ 1384	Thermo Scientific	1
72.	Flash Chromatograph/ AX-1605-1	Varien 971-FF	1
73.	MilliQ water purification system/ MilliQ Direct 8	Millipore	1
74.	Fermantus Startorius/ startorius stedium B-Lite	Ascension Innovations	1
75.	Fluorescence Spectrophotometer/ F-2700	Hitachi	1
76.	Thermo Scientific Locator 6 PLUS LN2 Container with factory installed level monitor and Liquid Nitrogen transfer vessels/ CY509109	Thermo Scientific	1
77.	Speed Vac Concentrator/ Savant SPD1010-230	Thermo Fisher Scientific	1
78.	Speed-Vac/ Savant SPD1010	Thermo Fisher Scientific	1
79.	Hettich German Make Bench Top Refrigerated Centrifuge/ Rotina 380R	Hettich	1
80.	UV - Visible Spectrophotometer/ UV 1800	Shimadzu	1
81.	Deep Freezer (-80)/ FORMA900SERIES	Thermo Fisher Scientific	1
82.	Thermo Scientific MaxQ 4450 Compact Bench Top Incubated Shaker/ SHKE445 0-1CE	Thermo Scientific	1
83.	UV - Visible Spectrophotometer/ UV-1800	Shimadzu	1
84.	Sonicator/ Q-500	Q Sonica	1
85.	Inverted Microscope/ Primo Vert	Zeiss	1
86.	Gel Electrophoresis System/ Mini Protean Tetra Cell	Bio-Rad	1
87.	Laminar Flow Hood/ 1300 SERIES A2	Thermo Fisher Scientific	1
88.	Thermo Scientific GPS Series lab refrigerators – Auto defrost with glass door double door +4 deg c refrigerator / R14XGAEV- TS	Thermo Scientific	1
89.	Water Purifier/ Direct Q millipore	Millipore	1

90.	PCR/Thermocycler/ SureCycler 8800	Agilent Technologies	1
91.	Centrifuge/ LEGEND X1R	Thermo Fisher Scientific	1
92.	Deep Freezer (-40)/ PL6500	Thermo Fisher Scientific	1
93.	Fraction Collector/ FC 203B	Gilson	1
94.	Auto hematology analyzer/ Mindray BC2800yet	Mindray	1
95.	Microprocessor Controlled biological safety cabinet/ BSC orien	Oriens	1
96.	Thermo Scientific™ Sorvall™ ST 8R small Benchtop centrifuge series refrigerated bench top small centrifuge/ 50144426	Thermo Scientific	1
97.	Microscope/ BA 310	Motic	1
98.	Co2 Incubator/ FORMA STERI-CYCLE	Thermo Fisher Scientific	1
99.	Cooling Centrifuge/ Sorvall ST 16R	Thermo Fisher Scientific	1
100.	Biosafe - Laminar air flow cabinet attached with virus burnout unit with polycarbonate sheet/ RLH2	Rotek	1
101.	Electrolyte Analyzer/ i-sens i-smart 30	Agappe	1
102.	Micropulser (electroporator)/ Micropulser	Bio-Rad	1
103.	ThermoScientific Micro CL 21R including DUAL ROW ROTOR refrigerated Micro Centrifuge with rotor for 1.5/2.0ml and 0.5ml/ 75002552	Thermo Scientific	1
104.	Thermo Scientific Espresso Personal Micro centrifuge (14,000 rpm)/ 11210801	Thermo Scientific	1
105.	Trans-Blot/ Criterion Blotter	Bio-Rad	1
106.	Ice Flaker/ IF-030	Pooja Lab Equipments	1
107.	Biosafe - Laminar air flow cabinet/ RVB	Rotek	1
108.	Shaking Incubator/ i- therm	Hally Instruments	1



109.	Thermo Scientific GPS Series lab refrigerators – Auto defrost with glass door single door +4 deg C refrigerator (upright)/ R700- GAEV-TS	Thermo Scientific	1
110.	Cryo Tank/ Locator JR	Thermo Fisher Scientific	1
111.	Zoe Fluorescent imager/ Zoe fluorocent	Bio-Rad	1
112.	Bench Type Fume Hood	Lab Care Furniture	1
113.	Cooling Centrifuge/ C 30 BL	Remi	1
114.	Cooling Centrifuge/ C-24 BL	Remi	1
115.	Water Bath/ HWD Go	Hally Instruments	1
116.	Stereo Zoom Microscope/ Stemi DV4	Zeiss	1
117.	Semi Auto Biochemical Analyzer/ Mispa plus	Agappe	1
118.	ThermoScientific Digital General Purpose Water Bath(Ambient to 100°C)/ 2834	Thermo Scientific	1
119.	Thermo Scientific ES Series combo +4 deg c refrigerator & -20 freezer (upright)/ 263CAEV- TS	Thermo Scientific	1
120.	PROTEAN tetra SYSTEM/ MINI PROTEAN TETRA CELL	Bio-Rad	1
121.	Thermo Scientific Vortex Maxi Mix II- Variable speed Vortex mixer/ M37610-33	Thermo Scientific	1
122.	ThermoScientific PL6000 series 20 to -40 Deg C freezer (upright)/ PLF276	Thermo Scientific	1
123.	Double door Refrigerator/ SRT 1000 DD	Westren Easy cooler	1
124.	Analytical Balance/ AY220	Shimadzu	1
125.	Laminar air Flow cabinet/ RL-32SS	Rotek	1
126.	Laminar air Flow(Biosafety)/ RBSC	Rotek	1
127.	pH meter/ HI 3512	Hanna Instruments	1
128.	PROTEAN tetra SYSTEM/ MINI TRANS BLOT CELL	Bio-Rad	1
129.	Water Distiller / distilon 2SQ	Gennext	1
130.	Deep Freezer	Spear exim pvt ltd	1
131.	Urine Analyzer/ MISPA URISKA N 100	Agappe	1

*Rehla P. D.*

Deputy Director

Yenepoya Research Centre

Yenepoya (Deemed to be University)

Deralakatte, Mangaluru-575018

ATTESTED

*[Signature]*

Dr.Gangadhara Somayaji K.S.

Registrar

Yenepoya(Deemed to be University)

University Road, Deralakatte

Mangalore- 575 018, Karnataka

*[Signature]*  
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MANGALORE-575018

132.	Orbital Shaker	Oriens	1
133.	BOD (Cooling) Incubator/ RC12	Rotek	1
134.	Digital Bomb Calorimeter/ DBC-298P	Span Automation	1
135.	Upright Static Deep freezer	Elanpro	1
136.	Autoclave/ RAV-025S	Rotek	1
137.	Roto-Spin/ 3090X	Tarsons	1
138.	Autoclave/ RAV06553	Rotek	1
139.	Thermo Scientific Cimarec Digital Stirring Hotplate/ SP131630 -33Q	Thermo Scientific	1
140.	Precision water bath	Rotek	1
141.	Horizontal Autoclave	Kemi	1
142.	Water Bath	Biobee	1
143.	Refrigerator/ RR1914ASBSE/TL	SAMSUNG	1
144.	Rotary Shaker/ RRS 08	Rotek	1
145.	Binocular microscope/ CH20 i	Olympus	1
146.	Electronic Weighing Balance/ FB-300	Essae-Teraoka	1
147.	Ultrasonic Water Bath/ 6.5L200	PCI Analytics	1
148.	Centrifuge/ R-24	Remi	1
149.	Digital Power Supply with Digital Timer/ DIGI 500 T	Biobee	1
150.	Water Bath/ RRW-TD	Rotek	1
151.	Magnetic Stirrer/ Hot plate/ RHB1S22	Ika	1
152.	Thermo Scientific Digital Heating Cooling Drybath (Temperature 37 <sup>0</sup> to 100 <sup>0</sup> C)/ 88880030	Thermo Scientific	1
153.	Dehumidifier/ AMFAH dehumidifier	AMFAH	1
154.	Incubator/ RI-HDF	Rotek	1
155.	Hot Air Oven/ RHO HDF	Rotek	1
156.	Conductivity Meter/ TDS Meter 307	Systronics	1

*Rehla P. P.*

Deputy Director

Yenepoya Research Centre  
Yenepoya (Deemed to be University)  
Deralakatte, Mangaluru-575018

ATTESTED

*Lee*

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

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MANGALORE-575018

157.	pH meter/ PH Tutor	Eutech Instruments	1
158.	Hot Plate/ C-mag HS7S22	Ika	1
159.	Hot Air Oven/ RHC 18 HS	Rotek	1
160.	Refrigerator 270L	Kelvinator	1
161.	Refrigerator	Kelvinator	1
162.	Refrigerator	Kelvinator	1
163.	Muffle Furnace/ RMF 4ER	Rotek	1
164.	UV Torch with Filter Window/ UV-TRCH	Biobee	1
165.	Gel Rocker/ ROCK-1	BIOBEE TECH	1
166.	pH Meter/ µpH system 361	Systronics	1
167.	Magnetic Stirrer/ Topolino	Ika	1
168.	Mini Centrifuge/ Mini G	Ika	1
169.	RockyVac - Oil free Vacuum pump/ Rocky Vac 300	Tarsons	1
170.	Fast Transfer-1, Semi Dry System/ Blot Dry-1	Biobee	1
171.	Deep Freezer (-20°C)/ 120 L horizontal freezer	Voltas	1
172.	Multi Slot Dry incubator/ DBI-II	Biobee	1
173.	Digital ultrasonic cleaner/ ULTR A-1	Biobee	1
174.	ECODNA System/ SUB DNA-Mold	Biobee	1
175.	Gel rocker	Biobee	1
176.	Vortexer/ Vortex Genius 3	Ika	1
177.	Centrifuge/ R8C	Remi	1
178.	Electrophoresis unit/ Genei	Genei	1
179.	Incubator/ RI.14SS	Rotek	1
180.	Vortex/ IKA Genius 3	Ika	1
181.	Spinix Vortex Shaker/ 3020	Tarsons	1
182.	Inoculation Hood/ RIH-01	Rotek	1

*Renu P.P.*

Deputy Director  
Yenepoya Research Centre  
Yenepoya (Deemed to be University)  
Deralakatte, Mangaluru-575018

ATTESTED

*cb*


Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

*[Signature]*  
PRINCIPAL / DEAN  
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MANGALORE-575018

183.	Digital Colorimeter/ 113 / DBC-298P	Systronics	1
184.	ECOSDS-Mini Dual System/ SDS DUAL-1	Biobee	1
185.	Digital colony counter	Hally Instruments	1
186.	Cyclomixer/ CM101	Remi	1
187.	Spinwin/ 1010	Tarsons	1
188.	Tissue Flotation Bath/ RTB 02	Rotek	1
189.	Heating mantle/ RHM 3ER	Rotek	1
190.	Heating Mantle/ RHM 2	Rotek	1

  
**PRINCIPAL / DEAN**  
**YENEPLOYA MEDICAL COLLEGE**  
**MANGALORE-575018**

**ATTESTED**  
  
**Dr.Gangadhara Somayaji K.S.**  
**Registrar**  
**Yeneploya(Deemed to be University)**  
**University Road, Deralakatte**  
**Mangalore 575018, Karnataka**

  
**Deputy Director**  
**Yeneploya Research Centre**  
**Yeneploya (Deemed to be University)**  
**Deralakatte, Mangaluru-5750**



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956  
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**DEPARTMENT OF AUDIOLOGY AND SPEECH LANGUAGE  
PATHOLOGY**

**YENEPOYA MEDICAL COLLEGE**

*lcs*





**Mrs. Shwetha Prabhu**  
Associate Professor  
RCI No. A18456  
Dept. of Audiology and SLP  
Yenepoya (Deemed to be University)

## CONTENTS

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ATTESTED


  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
Mrs. Shwetha Prabhu  
Associate Professor  
RCI No. A18456  
Dept. of Audiology and SLP  
Yenepoya (Deemed to be University)

### Infrastructure and functional requirements

Sl. No.	Facilities	Requirement as per the regulatory body (sq. ft.)	Area (sq.ft.)
1.	Classrooms	220 sq.ft. each	Available
2.	Multipurpose hall for conducting seminar, examination	405 sq.ft.	Available
3.	Speech diagnostic room	6x8	6x8
4.	Speech laboratory (Quiet room) for diagnostic purposes	15x20	15x20
5.	Speech therapy rooms / cabins	6x8	6x8
6.	<ul style="list-style-type: none"> <li>• Single sound treated room</li> <li>• Two room audiometric suite with control and test room situation</li> </ul>	10x16	10x16
7.	Room for hearing aid trial combination purpose	10x15	10x15
8.	Ear mould laboratory & Hearing aid repair laboratory	12x12	12x12
9.	Recording Room (sound proof)	8x10	8x10
10.	Electro-physiological test room	10x10	10x10

ATTESTED

  
Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka



**Mrs. Shwetha Prabhu**  
Associate Professor  
RCI No.A18456  
Dept. of Audiology and SLP  
Yenepoya (Deemed to be University)


## List of equipments


As per the guidelines issued by 'Rehabilitation Council of India'  
BASLP Course from 2017-18 onwards.

### Audiology – Clinical and Teaching

Sl. No.	Description	Requirement as per the regulatory body (RCI)	Existing facilities
1.	2 channel diagnostic audiometer with Accessories such as earphone, ear cushion combination with adjustable headband, B.C. vibrator, transducers like microphone and matching loudspeakers	2	Available
2.	Portable audiometer with provision of A.C. and B.C. testing: desirable screening audiometer	1	Available
3.	Clinical immittance audiometer (Desk model) with accessories.	2	Available
4.	Portable/Screening impedance audiometer	1	Available
5.	Clinical BSEAR	2	2
6.	Otoacoustic emission	2	2
7.	Calibration equipment for AC, BC and free field (by possession or access)	1	1 (By access)
8.	Different types of Hearing Aids of mild moderate and strong categories body level and ear level, canal and spectacle hearing aid (1 each), FM, Digital, Programmable aids, ILS Assistive listening devices	1 sample each	Available
9.	IGO and HAT for hearing aid trial and making electroacoustic measurements	1	1
10.	Stopwatch	2	Available
11.	Otoscope	4	Available
12.	Auditory training and Screening material	1	Available
13.	Ear Mould Lab-fully equipped	1	1

ATTESTED

  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
City Road, Deralakatte  
575 018, Karnataka


  
Mrs. Shwetha Prabhu  
Associate Professor  
RCI No. A18456  
Dept. of Audiology and SLP  
Yenepoya (Deemed to be University)




**Speech – language pathology - Clinical and Teaching**

Sl. No	Description	Requirement as per the norms (RCI)	Existing facilities
1.	Speech and Language Tests (Tests for differential diagnosis) (English and local language)	1 each	Available
2.	Proforma	1 each for different disorders	Available
3.	Speech Therapy material (Indian, Language and English)	As per norms	Available
4.	Toys and Books	As per norms	Available
5.	Mirrors - Size 2' x 3'	4	Available
6.	Speech Trainer	1	Available
7.	Portable and Digital tape recorders	2	Available
8.	Hi-Fi Ampli Deck with speakers and good microphone	1	Available
9.	Spirometer	2	Available
10.	Computer PC-AT with VGA Color Monitor & printer for clinic administration	1	Available
11.	Software for diagnostic/therapeutic use and computer with necessary accessories	2	Available
12.	Stroboscope/VL scope/ FEES (by possession or access)	1	1 (By access)
13.	Electroglottograph	1	Available
14.	Audio cassettes for training/CDs	Assorted	Available
15.	Pitch pipe	Assorted	Available
16.	Tongue depressors	3	Available

**ATTESTED**

  
**Dr. Gangadhara Somayaji K.S.**  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

  
**Mrs. Shwetha Prabhu**  
 Associate Professor  
 RCI No. A18456  
 Dept. of Audiology and SLP  
 Yenepoya (Deemed to be University)



**YENEPOYA**

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# **Yenepoya Nursing College**

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YENEPOYA  
(DEEMED TO BE UNIVERSITY)

# YENEPOYA NURSING COLLEGE

(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3(A) of the UGC Act, 1956)  
Accredited by NAAC with 'A' Grade

University Road, Deralakatte, Mangaluru - 575 018.

## 4.2.1 TEACHING HOSPITAL, EQUIPMENTS, LABORATORIES AND CLINICAL TEACHING LEARNING FACILITIES - As per INC norms

Guidelines and minimum requirements to establish nursing programmes by INC F.No.:1-6/2018-INC Dated 20-4-2018	
Number of Beds As Per INC For 100 B Sc annual Intake	300
Number of Beds As Per INC For 40 P BB Sc annual Intake	100
Bed Occupancy % As Per INC	75

### Teaching Hospital Facilities for UG Nursing Program (B.Sc Nursing and PBBSc Nursing)

Hospital Name	Hospital Type	No. of Beds	Bed Occupancy	Bed Occupancy %
Yenepoya Medical College Hospital	Parent	1080	916	85

Clinical Areas	Requirement as per INC No. of beds for UG	Available Beds
	Annual intake 40:-100 beds Annual intake 100:-300 beds	YMCH:1080
Medicine	30	160
Surgery	30	160
Obstetrics and Gynaecology	30	90
Paediatrics	20	90
Orthopedics	10	100
Major OT	Required	Available
Minor OT	Required	Available
Psychiatry	50	Available
Dental/ Eye/ ENT	Required	Available
Burns and Plastic	Required	Available
Neonatology	Required	Available
Communicable diseases	Required	Available
Community Health Nursing	Required	Available
Cardiology	Required	Available
Oncology- medical and surgical	Required	Available
Nephrology/Urology	Required	Available
ICU/ ICCU	Required	Available
Neurology/ Neurosurgery	Required	Available
Any Other Specialty	Required	Available
<ul style="list-style-type: none"> <li>• Dermatology</li> <li>• Respiratory medicine</li> <li>• CCU</li> <li>• Trauma/ Emergency/Casualty</li> </ul>		
Geriatric Medicine		

ATTESTED

*[Signature]*  
Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

*[Signature]*  
Principal  
Yenepoya Nursing College  
Deralakatte  
Mangalore-575018

# YENEPOYA NURSING COLLEGE

## PHYSICAL FACILITIES – As per INC Norms

Sl. No	Teaching Block (INC norms)	(Areas (figures in sq.fts) (INC norms)	Existing (figures in sq fts)
1	Lecture Hall (6)	6600 sq.fts	6707.822 sq.fts
2	M.Sc Nursing Class room - 2	2 class rooms	1507.822 sq.fts
3	Board Room/Demo room	-	200 sq.fts
4	Laboratories <ul style="list-style-type: none"><li>• Community Health Nursing Lab</li><li>• Nursing Foundation Lab</li><li>• OBG Lab</li><li>• Paediatric Lab</li><li>• Nutrition Lab</li><li>• Pre-Clinical Lab</li><li>• Computer Lab</li></ul>	7500 sq.fts	12184.83 sq.fts
5	Additional space	10200 sq.fts	12992 sq.fts



Principal / Dean  
Yenepoya Nursing College  
Deralakatte  
Mangalore-575018

ATTESTED



Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka


# Equipment list

# YENEPOYA NURSING COLLEGE

## NURSING FOUNDATION LABORATORY

### EQUIPMENTS AND ARTICLES

Sl. No.	Item Description	As per the regulatory body (INC)	Available facilities (YNC)
1.	Allis forceps	4	Available
2.	Artery forceps (curved) assorted	4	Available
3.	Artery forceps (straight) assorted	6	Available
4.	Adult Doll (male & female)	3 + 3 = 6	Available
5.	Airway adult		Available
6.	Airway paediatric	4	Available
7.	Adhesive tape	2	Available
8.	B.P. apparatus	6	Available
9.	Back rest	2	Available
10.	Bed pan - plastic	6	Available
11.	Bed pan – steel		Available
12.	Biomedical waste bins with lid - red	6	Available
	Biomedical waste bins with lid - yellow		Available
	Biomedical waste bins with lid - green		Available
	Biomedical waste bins with lid -blue		Available
	Biomedical waste bins with lid - black		Available
13.	Blankets	12	Available
14.	Bottle brush- small	2	Available
	Bottle brush- large		Available
15.	Bowls (big)	24	Available
16.	Bowls (medium)		Available
17.	Bowls (small)		Available
18.	Bucket	6	Available
19.	Bath towel	12	Available
20.	Bed sheets- white	30	Available
	Bed sheets- blue		Available
	Bed sheets- white with blue line		Available
21.	Bandages crepe	1	Available
22.	B.P handle	2	Available
23.	1 inch bandage	1 dozen each	Available
24.	1 1/2 inch bandage		Available
25.	2 inch bandage		Available
26.	2 1/2 inch bandage		Available
27.	3 inch bandage		Available
28.	3 1/2 inch bandage		Available
29.	5 inch bandage		Available
30.	5 1/2 inch		Available
31.	T bandage		Available
32.	Basic combination nursing manikin (male)		6
33.	Cardiac table	2	Available

  
**Principal / Dean**  
**Yenepoya Nursing College**  
**Deralakatte**  
**Mangalore-575 018**

**ATTESTED**  
  
**Dr.Gangadhara Somayaji K.S.**  
**Registrar**  
**Yenepoya(Deemed to be University)**  
**University Road, Deralakatte**  
**Mangalore- 575 018, Karnataka**

34.	Chittle forceps 4"		Available
35.	Chittle forceps 6"	6	
36.	Chittle forceps 8"		
37.	Cot	8	Available
38.	Comb	6	Available
39.	Dialator set (8+8=16)	1	Available
40.	Draw sheets	12	Available
41.	Enema can with tubes including/aluminium	8	Available
42.	Eye shields	5	Available
43.	Ear speculum	4	Available
44.	Feeding cups – ceramic	6	Available
45.	Foley's catheter	6	Available
46.	Flatus tube	6	Available
47.	Glucometer	2	Available
48.	Green gown	12	Available
49.	Haemometer	6	Available
50.	Hot water bag	5	Available
51.	IV stand	2	Available
52.	I V Cannula	12	Available
53.	Ice caps	6	Available
54.	Instrument trolley	1	Available
55.	IV tubes (infusion set)	6	Available
56.	Kidney tray (big)		Available
57.	Kidney tray (medium)	15	Available
58.	Kidney tray (small)		Available
59.	Liver biopsy (needle)	4	Available
60.	Laryngoscope with 4 blades	4	Available
61.	Litmus paper (blue)		Available
62.	Litmus paper (red)	2	Available
63.	Mackintosh- Half size		Available
	Mackintosh- full size	22	Available
64.	Mucos sucker	6	Available
65.	Mattress	8	Available
66.	Measuring glass (Plastic) without grading	12	Available
67.	Measuring jug - 1 litre		Available
	Measuring jug - 500ml	18	Available
68.	Mosquito forceps	4	Available
69.	Mouth gag (metal)	4	Available
70.	Measuring tape	6	Available
71.	Mug	2	Available
72.	Multi functional nursing manikin (female)	6 (ref sl no 5,40)	Available
73.	Nail brush	6	Available
74.	Nasal speculum	4	Available
75.	Needle (curved suture)	6	Available
76.	Needle holder (large)	6	Available
	Needle holder (medium)	6	Available
	Needle holder (small)	6	Available
77.	Nelson's inhaler	6	Available
78.	O2 cylinder with trolley	1	Available
79.	Pillow	18	Available
80.	Pillow cover	36	Available



81.	Pipette	2	Available
82.	Proctoscope	1	Available
83.	Ryles tube	6	Available
84.	Screen with wheel	2	Available
85.	Side locker with steel top	8	Available
86.	Sponge holder 10"	4	Available
87.	Steel basin	12	Available
88.	Stethoscope	6	Available
89.	Scissors (curved)	12	Available
90.	Scissors straight - small		Available
91.	Suture thread	2 packet	Available
92.	Suture needle straight cutting	6 straight, 6 curved	Available
93.	Stool - Steel top (revolving)	8	Available
94.	Stool - wooden		Available
95.	Sterile dressing drum	3	Available
96.	Suture cutting scissors	6	Available
97.	Soap dish	12	Available
98.	Solutions- povidone iodine solution	1	Available
	Benedict's solution	1	Available
	Dettol	1	Available
	Compound benzoin tincture	1	Available
	Savlon	1	Available
99.	Spirit lamp	6	Available
100.	Steel jug medium	4	Available
101.	Tuning fork	3	Available
102.	Test tubes	2 dozen	Available
103.	Test tube holder	12	Available
104.	Test tube rack (aluminium)	6	Available
105.	Test tube rack (plastic)		Available
106.	Thermometer – bath, lotion	2 +2	Available
107.	Thermometer - oral	6	Available
108.	Thermometer - rectal	6	Available
109.	Thumb forceps (big)	12	Available
110.	Thumb forceps (medium)		Available
111.	Thumb forceps (small)		Available
112.	Thumb forceps (toothed)		Available
113.	Tongue depressor - curved	4	Available
	Tongue depressor – straight		Available
114.	Torch	2	Available
115.	Tracheostomy set (metal)	1	Available
116.	Trays with lid 8x6	30	Available
117.	Trays with lid 9x6		Available
118.	Small tray without lid		Available
119.	Small tray with lid		Available
120.	Medium tray without lid		Available
121.	Medium tray with lid		Available
122.	Towel	12	Available
123.	Towel Clips- metal	6	Available
124.	Urinals- plastic	6	Available
	Urinals – steel		Available
125.	Weighing scale	2	Available

126.	Waste bin	6	Available
127.	Syringe 2cc	12	Available
	Syringe 5cc		
	Syringe 10cc		
	Syringe 20cc		
128.	Needle 18	1 dozen each	Available
	Needle 20		
	Needle 21		
	Needle 22		
	Needle 23		
	Needle 24		
	Needle 26		
129.	Otoscope	1	Available
130.	Opthalmoscope	1	Available



Principal / Dean  
Yenepoya Nursing College  
Deralakatte  
Mangalore-575018

ATTESTED  


Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

**MCH LABORATORY (OBG AND PAEDIATRICS LABORATORY)**

**EQUIPMENTS & ARTICLES**

Sl. No.	Item Description	As per the regulatory body (INC)	Available facilities (YNC)
<b>A</b>	<b>Models</b>		
1.	Stages of development of embryo	2 Sets Each	Available
2.	Female bony pelvis	4	Available
3.	Foetal skull	2	Available
4.	Obstetrical training manikin-dummy with doll	1	Available
5.	Placenta	2	Available
6.	Full size fetus	4	Available
7.	New born baby	2	Available
<b>B.</b>	<b>Charts</b>		
1.	Breast changes In pregnancy	1	Available
2.	Uterine changes In pregnancy showing height of uterus at different terms of pregnancy	1	Available
3.	Stages of labour (first stage, second stage, third stage)	1 Each	Available
4.	Breech presentation(complete breech, incomplete breech, foot presentation)	1	Available
5.	Shoulder presentation	1	Available
6.	Face presentation	1	Available
7.	Brow presentation	1	Available
8.	Twin pregnancy	1	Available
9.	Placenta prevail different stages	1	Available
10.	Caput succedaneum, cephalohematoma	1	Available
11.	Congenital Malformation of new born - Clefft lip - Spina bifida - Hydrocephalus - Anencephalus	1 Each	Available
1.	Mucus sucker	6	Available
2.	Sponge holding forceps	2 sets	Available
3.	Ovum forceps	1	Available
4.	Sims speculum XI	2 different sizes	Available
5.	Cusco's vaginal speculum	2 different sizes	Available
6.	Cervical dilators	1 set	Available
7.	Uterine sound (curved 2, straight 4 Nos)	1	Available
8.	Uterine curette	1	Available
9.	Uterine vulsellum	2	Available
10.	Foetoscope (black, white)	2	Available
11.	Anterior vaginal wall retractor	2	Available
12.	Pelvimeter	1	Available
<b>D. Midwifery Kit for Home delivery -15 Kits</b>		15 Kits	15 Kits
1.	Bowls medium and small	2 Each	Available
2.	Kidney tray medium, small	2 Each	Available
3.	Enema can with tubing	1	Available
4.	Foeto scope	1	Available
5.	Artery forceps	2	Available

Principal / Dean  
Yenepoya Nursing College  
Deralakatte  
Mangalore- 575015

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

6.	Thumb forceps toothed/No tooth	1 Each	Available
7.	Cord cutting scissors	1	Available
8.	Cord ties	1	Available
9.	Mucus sucker	1	Available
10.	Mackintosh	1	Available
11.	Glove	2 Pairs	Available
12.	Mask	1	Available
13.	Apron	1	Available
14.	Rubber catheters	1	Available
15.	Spring balance colour coated	1	Available
16.	Syringe with needles- 2cc-5cc-10cc	1 Each	Available
17.	Shaving set	1	Available
18.	Spirit	1	Available
19.	Soap with dish	1	Available
20.	Hand towels and measure tape	1 each	Available
21.	Old newspapers	1	Available

  
 Principal / Dean  
 Yenepoya Nursing College  
 Deralakatte  
 Mangalore-575018

ATTESTED  
  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

**COMMUNITY HEALTH NURSING LABORATORY**  
**EQUIPMENTS AND ARTICLES**


SL. No	Item Description	As per the regulatory body (INC)	Available facilities (YNC)
1.	Eligible couple and child register	1	Available
2.	Diary	2	Available
3.	Community bags	12	Available
4.	Tables one for four students	12	Available
5.	Chairs	50	Available
6.	Steriliser	1	Available
7.	Infant weighing scale	5	Available
8.	Salter scale	1	Available
9.	Spring scale	1	Available
10.	Weighing	2	Available
11.	Sphygmomanometers	5	Available
12.	Stethoscopes	5	Available
13.	Dari/mats for health education purpose	2	Available
14.	Assessment articles -Thermometer - Tape measure -Stethoscope -Fetus scope	1 1 1 1	Available
15.	Hand washing articles -Soap dish with soap - Hand towel -Nail brush -Water proof bag	1 1 1 1	Available
16.	Urine testing kit -Test tubes -Test tube holder - Spirit lamp -Dropper - Benedict's solution in a bottle -Glass syringe	2 1 1 1 1 1	Available
17.	Dressing kit -Bag of sterilised dressing -Antiseptic in bottle -Artery Forceps - Dissecting forceps non toothed -Dissecting forceps toothed -Small bowl -Small kidney tray -Suture cutting scissors /dressing scissors	1 1 1 1 1 1 1 1	Available

**ATTESTED**

  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

**NUTRITION LABORATORY  
EQUIPMENT AND ARTICLES**

S. No	Item Description	As per the regulatory body (INC)	Available facilities (YNC)
1	Gas stoves with cylinders/ pipe line tubing	6	Available
2	Gas lighter	6	Available
3	Pressure cookers of different sizes-2kg	6	Available
	Pressure cookers of different sizes – 1kg	6	Available
4	Steel cooking vessels big, medium and small sizes	12	Available
5	Cutlery set	1	Available
6	Ladles (wooden spoons/ spatulas)	12	Available
7	Juice squeezer	1	Available
8	Water reservoir	1	Available
9	Sauce pans with handle medium and small size	6	Available
10	Spoons		
	• Serving spoons	6	Available
	• Tea spoons	24	Available
	• Table spoons	12	Available
	• Dessert spoons	12	Available
	• Soup spoons	12	Available
	• Rice serving spoons	4	Available
11	Bowls (wati)	25	Available
12	Soup bowls	36	Available
13	Forks	36	Available
14	Sieve	2	Available
15	Tongs	6	Available
16	Knives	6	Available
17	Peeler	6	Available
18	Vegetable cutters	6	Available
19	Vegetable cutting plate	6	Available
20	Water filter/ Aqua guard	1	Available
21	Flask	2	Available
22	Frying pans	6	Available
23	Tava	6	Available
24	Vessel holders(chimta)	6	Available
25	Mixer with accessories	1	Available
26	Glasses for drinking water(steel)	24	Available
27	Glasses for drinking water (glass)	24	Available
28	Kitchen weighing scale	1	Available
29	Chapathi making plate and rolling pin	6	Available
30	Measuring scoops	2 set	Available
31	Napkins	24	Available
32	Glass bowls	24	Available
33	Tea strainer	6	Available
34	Egg beater	6	Available
35	Toaster	2	Available
36	Microwave with appropriate cooking vessels	1	Available
37	Dinner set (12 persons)	2	Available
38	Tea set (12 persons)	2	Available
39	Refrigerators	2	Available

  
**ATTESTED**  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

**LIST OF A.V. AIDS**

<b>S. No</b>	<b>Item Description</b>	<b>As per the regulatory body (INC)</b>	<b>Available facilities (YNC)</b>
1.	Xerox machine with set making	1	Available
2.	Over head projector	5	Available
3.	Flannel boards in each class room +notice board	4	Available
4.	Slide projectors	2	Available
5.	White board	Each class room	Available
6.	Chalk board	Each class room	Available
7.	Tape recorder	2	Available
8.	Television	2	Available
9.	V.C.R and CD player	2	Available
10.	Film projector	1	Available
11.	Epidiascopes	3	Available
12.	Mobile screen for projectors	2	Available



**PRINCIPAL**

**Principal / Dean**  
**Yenepoya Nursing College**  
 Deralakatte  
 Mangalore-575018

**ATTESTED**



**Dr.Gangadhara Somayaji K.S.**  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

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# **Yenepoya Pharmacy College and Research Centre**



# CONTENTS

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2	Teaching learning facilities with equipments	148- 151

**4.2.1 The facilities as per the stipulations of the Regulatory Body (PCI)**

Infrastructure	Requirement as per PCI (sq.mtr)	Availability (sq.mtr)
Lecture hall for B. Pharm course ( 4 lecture halls )	75 sq.mtr each	75 sq.mtr each
Lecture hall for D. Pharm course ( 2 lecture halls )	90 sq.mtr each	90 sq.mtr each
Laboratory area for B. Pharm course	75 Sq .mts x per lab- Including Preparation room - Desirable 75 Sq. mts - Essential	75 sq.mtr each
Laboratory area for D. Pharm course		75 sq.mtr each
Preparation room for each lab (one room can be shared by two labs, if it is in between two labs)	10 sq mts (Minimum)	60 sq. mtr
Seminar Hall	-	160 sq. mtr
Machine room/ instrument room	80-100 Sq.mts	80 sq. mtr
Store room	1 (Area 100 Sq mts)	100 sq. mtr
Animal house	80 Sq. mts	80 sq.mtr
Library with Computer Room	150 Sq. mts	221.6 sq. mtr
Museum	50 Sq. mts	50 sq. mtr
Demo Room	-	16 sq. mtr
Herbal garden	Adequate Number of Medicinal Plants	300 no. (Centralized)

Total Built-up Area (Sq mtr)	Required as per PCI	Available
		4180

  
 Principal / Dean  
 Yenepoya Pharmacy College & Research Centre  
 Deralakatte, Mangaluru-575018

**ATTESTED**  
  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka



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University Road, Deralakatte, Mangalore 575 018

**Teaching – Learning Facilities with Laboratories**

Facilities	Required as per PCI	Available
Class rooms for B.Pharm & D.Pharm	06	06
Pharmaceutics lab	03	03
Pharmaceutical chemistry lab	03	03
Pharmaceutical Analysis	01	01
Pharmacology lab	03	02
Pharmacognosy lab	02	02
Pharmaceutical Biotechnology	01	01
Preparation Room for each lab	07	07
Seminar Hall	01	01
Animal house	01	01
Museums	01	01
Library with Computer Room	01	01
Demo Room	-	01
Machine Room / Instrument room	-	01


Principal / Dean  
YenePOya Pharmacy College & Research Centre  
Deralakatte, Mangaluru-575018

ATTESTED

- Dr.Gangadhara Somayaji K.S.  
Registrar  
YenePOya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

**Teaching – Learning Facilities with Equipments**

Sl.No	Name of the Equipment	Minimum Required as per PCI	Available
1.	Ampoule sealing machine	1	1
2.	Magnetic stirrer 500ml & 1 Litr capacity	5	5
3.	Aseptic cabinet	1	1
4.	Tablet coating machine	1	1
5.	Ball mill	1	1
6.	Double cone blender	1	1
7.	Autoclave	4	4
8.	Steam distillation still	1	1
9.	Vacuum pump	3	3
10.	Standard sieves no. 8, 10, 12, 22, 44, 66,80	1	1
11.	Tablet punching machine	1	1
12.	Capsule filling machine	1	1
13.	Ampoules washing machine	1	1
14.	Tablet Disintegration apparatus	2	2
15.	Hardness tester	5	5
16.	Friability test apparatus	2	2
17.	Clarity test apparatus	1	1
18.	BOD Incubator	1	1
19.	Bulk density	1	1
20.	Humidity Chambers	1	1
21.	Tray dryer	1	1
22.	Moisture balance	1	1
23.	Water bath	5	5
24.	Ointment filling machine	1	1
25.	Capsule counter	2	2
26.	Digital balance	5	5
27.	Microscope	30	30
28.	Stage and eye piece micrometers	30	30
29.	Brookfileld viscometer	1	1
30.	Sieve Shaker Machine	1	1
31.	Extractive Distillator	1	1
32.	Mechanical Stirrer	5	5
33.	Suppository mold	25	25

  
 Principal / Dean  
 YenePOya Pharmacy College & Research Centre  
 Deralakatte, Mangaluru-575018

**ATTESTED**  
  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 YenePOya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

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University Road, Deralakatte, Mangalore 575 018

34.	Ultra Sonicator	4	4
35.	Sterility tester	1	1
36.	Franz Diffusion cell	5	5
37.	Hot Air Oven	5	5
38.	Tablet Dissolution test apparatus	2	2
39.	Mortar and Pestle	40	40
40.	Milli Pore Filter	1	1
41.	Vacuum Distillator	2	2
42.	Desiccators	5	5
43.	Tincture press	2	2
44.	Centrifuge	2	2
45.	Colony Counter	1	1
46.	Antibiotic Zone Rader	1	1
47.	Laminar Air Flow	1	1
48.	Micropipette single & Multi Channeled	4	4
49.	Refractometer	1	1
50.	Polarimeter	1	1
51.	Photoelectric colorimeter	1	1
52.	Atomic model set	2	2
53.	Electronic balance	2	2
54.	Periodic table chart	Adequate	2
55.	Hot plates	8	8
56.	Oven	5	5
57.	Analytical Balances for demonstration	5	5
58.	Digital balance 10mg sensitivity	5	5
59.	Suction pumps	5	5
60.	Mechanical Stirrers	5	5
61.	Magnetic Stirrers with Thermostat	10	10
62.	Digital pH meter	5	5
63.	Distillation Unit	2	2
64.	Arsenic Limit Test Apparatus	20	20
65.	Reflux flask and condenser double / triple necked	20	20
66.	Nessler's Cylinders	50	50
67.	Reflux flask and condenser single Necked	25	25
68.	Electronic water bath( 12 holes)	5	5
69.	Copper water bath	25	25
70.	Colorimeter	1	1
71.	UV- Visible Spectrophotometer	1	1
72.	Flourimeter	1	1
73.	Digital Balance (1mg sensitivity)	1	1

  
Principal / Dean

YenePOYA Pharmacy College & Research Centre  
Deralakatte, Mangaluru-575018

**ATTESTED**  


- Dr.Gangadhara Somayaji K.S.  
Registrar  
YenePOYA (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka



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University Road, Deralakatte, Mangalore 575 018

74.	Nephelo Turbidity meter	1	1
75.	Flame Photometer	1	1
76.	Potentiometer	1	1
77.	Conductivity meter	1	1
78.	Biochemistry Analyzer (Desirable)	1	1
79.	Deep Freezer (Desirable)	1	1
80.	Haemocytometer with Micropipettes	20	25
81.	Sahli's haemocytometer	20	30
82.	Hutchinson's spirometer	1	1
83.	Spygmomanometer	10	10
84.	Stethoscope	10	10
85.	Different Contraceptive Devices and	1	1
86.	Pregnancy diagnosis kit	1	1
87.	Mercury thermometer	10	10
88.	Permanent Slides for various tissues	1	60
89.	Models for various organs	1	16
90.	Specimen for various organs and systems	1	11
91.	Skeleton and bones	1	2
92.	Muscle electrodes	1	1
93.	Lucas moist chamber	1	1
94.	Myographic lever	1	1
95.	Stimulator	1	1
96.	Sherrington's kymograph machine / polyrite	10	10
97.	Sherrington drum	10	10
98.	Perspex bath assembly (single unit)	10	10
99.	Aerators	10	25
100.	Software packages for experiment	1	1
101.	Standard graph of various drug	Adequate	1
102.	Actophotometer	1	1
103.	Rotarod	1	1
104.	Pole climbing apparatus	1	1
105.	Analgesiometer (eddy's hot plate and radiant heat methods)	1	1
106.	Convulsiometer	1	1
107.	Plethysmograph	1	1
108.	Histamine chamber	1	1
109.	Metabolic cage	1	1
110.	Dissection tray & boards	10	10
111.	Digital glucometer	1	1
112.	Folin- wu tubes	60	60
113.	Hemostatic artery forceps	10	10

Principal / Dean


Yenepona Pharmacy College & Research Centre  
Deralakatte, Mangaluru-575018

ATTESTED

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepona(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

**YENEPOYA PHARMACY COLLEGE & RESEARCH CENTRE**  
University Road, Deralakatte, Mangalore 575 018

114.	Levers , cannula	20	20
115.	Hypodermic syringes & needles Size 15,24,26G	20	20
116.	Compound Microscope	30	30
117.	Projection Microscope	2	2
118.	Binocular Microscope	1	1
119.	Electronic Digital balance	2	2
120.	Refrigerator	4	4
121.	Zone reader	1	1
122.	Sterility testing unit	1	1
123.	Camera lucida	20	20
124.	Stage micrometer	20	20
125.	Muffle furnace	1	1
126.	Heating Mantles-Small	4	6
127.	Micro Centrifuge	1	1
128.	Electric water bath	4	4
129.	Mixer grinder	2	2
130.	UV Cabinet	2	2
131.	Medicinal Plant Chart	Adequate	30
132.	Models	Adequate	5
133.	Permanent Slide	Adequate	20
134.	Sonicator	1	1
135.	Electrophoresis	1	1
136.	Rotary Shaker	1	1
137.	Autoclave sterilizer	1	1
138.	Glucometer	1	1
139.	pH meter	1	1
140.	Blood Pressure Apparatus and stethoscope	10	10
141.	Clinical thermometer	10	10

  
 Principal / Dean  
 Yeneepoya Pharmacy College & Research Centre  
 Deralakatte, Mangaluru-575018

**ATTESTED**  
  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yeneepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka



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# **Yenepoya Institute of Allied Health Sciences**



# CONTENTS

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# YENEPOYA INSTITUTE OF ALLIED HEALTH SCIENCES

(A Constituent College of YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)

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University Road, Deralakatte, Mangalore - 575 018. Ph. : 0824 - 2204668 / 69 / 70



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### YENEPOYA ALLIED AND HEALTHCARE PROFESSIONALS

### CONTENTS

Sl. No	Particular	Page No.
1	<b>EQUIPMENT LIST</b>	

*ls*

*dis*  
Dean  
Faculty of Allied & Health Professionals  
Yenepoya (Deemed to be University)

## YENEPOYA ALLIED AND HEALTHCARE PROFESSIONALS

**Teaching- learning and skills acquisition facilities in the institution**

### EQUIPMENT LIST

#### Anaesthesia and OT Technology Equipment List

SL. NO.	EQUIPMENT	NOS
1.	Anaesthetic Machine	01
2.	Patient Trolley	01
3.	Bain Circuit	02
4.	Endotracheal Tube	04
5.	Nasotracheal Tube	05
6.	I.V Cannula Set	02
7.	Spinal Needle	01
8.	Oral Airway	01
9.	Syringe	02
10.	Flexometallic Et Tube	03
11.	Infusion Pump	02
12.	Cardiac Monitor	01


#### Renal Dialysis Technology Equipment List

SL. NO.	EQUIPMENT	NOS
1.	Dialysis Machine	01

#### Cardiovascular Technology Equipment List

SL. NO.	EQUIPMENT	NOS
1.	ECG Machine	01

**ATTESTED**

  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 YenePOYA (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnat

  
 Dean  
 Faculty of Allied & Health Professionals  
 YenePOYA (Deemed to be University)


### Perfusion Technology Equipment List

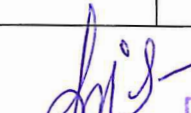
SL. NO.	EQUIPMENT	NOS
1.	Oxygenator	01
2.	Blood Cardioplegia Device	01
3.	Bubble Trap	01
4.	Arterial and Venous cannula	10
5.	Custom pack	01

### Respiratory Therapy Equipment List

SL. NO.	EQUIPMENT	NO.S
1.	Philips Ventilator	01
2.	Ventilator Circuit With Hme	01
3.	Adult Ambu Bag With Mask, Tubing, Reservoir	01
4.	Neonatal Ambu Bag With Mask, Tubing, Reservoir	01
5.	Laryngoscope With Macintosh Blade	01
6.	Nasal Prongs	02
7.	Adult Simple Facemask	02
8.	Pediatric Simple Facemask	01
9.	Venturi Mask Kit With Colour Coded Venturi	01
10.	Adult Non Re-Breathing Mask	01
11.	Pediatric Non Re-Breathing Mask	01
12.	Endotracheal Tube Size – 8.0	02
13.	Endotracheal Tube Size – 7.0	01
14.	Combitube	01
15.	Adult Tracheostomy Tube	01
16.	Pediatric Tracheostomy Tube	01
17.	Oral Airway	02
18.	Flow Inflating Bag	01
19.	Volume Oriented Incentive Spirometer	01
20.	Closed Suction Device	01
21.	Mdi	01
22.	Acapella	01
23.	Nebulizer	01

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 Dr. Gangadhara Somayaji K.S.  
 Registrar  
 YenePOYA (Deemed to be University)  
 University Road, Deralakatte,  
 Mangaluru

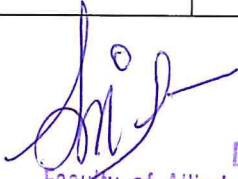
  
 Dean  
 Faculty of Allied & Health Professionals  
 YenePOYA (Deemed to be University)

## Optometry Equipment List

SL. NO.	EQUIPMENT	NO.S	
1.	Slitlamp Biomicroscope	03	
2.	Schiotz Tonometer	01	
3.	Direct Ophthalmoscopy	01	
4.	Jackson Cross Cylinder	+/-0.25	02
		+/-0.50	02
5.	Retinoscope		01
			02
6.	Trial Set	03	
7.	Snellen Charts	Snellen Visual Acuity Drum	02
		PROJECTION VISUAL ACUITY	01
8.	Snellen Near Vision Chart	03	
9.	Manual Keratometer (Baush And Lomb)	02	
10.	Manual Lensometer	02	
11.	TORCH LIGHT(Yellow Light)	01	
12.	Ishihara Colour Vision Chart	01	
13.	Farnsworth D-15	01	
14.	Titmus Fly Test Chart (Polaroid Vectograph)	01	
15.	LANG STEREO TEST CHART II (Random Dot)	01	
16.	Free Space Fusion Cards	02	
17.	Vision Therapy Life Saver Cards	02	
18.	Brock String	02	
19.	+90d(Volk)	01	
20.	Red Green Goggles	02	
21.	IpD Ruler	01	
22.	Raf(Royal Air Force) Ruler	01	
23.	Eye Model(Aakriti)	01	
24.	Soft & RGP Contact Lenses	Soft :06 RGP: 04	
25.	Magnifiers	10	
26.	Near and Distance Thorington Card	01	
27.	Accommodative Flippers	02	
28.	Vergence Flipper	01	
29.	Non optical devices	10	
30.	Newton's Ring	01	
31.	Malu's Law	01	
32.	Concave Lenses	02	
33.	Convex Lenses	02	
34.	Glass slab	01	

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Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- Page 157 of 205

  
Dean  
Faculty of Allied & Health Professionals  
Yenepoya (Deemed to be University)

## Clinical Psychology Equipment list

SL NO.	EQUIPMENT	NO.S
1.	Bilateral Transference	2
2.	Habit Interference Board	2
3.	Muller Lyer Illusion Board	2
4.	Post Graduate Institute Memory Span Test	2
5.	Bender Gestalt Visual Motor Test II	2
6.	Knox Cube Test	5
7.	Span of attention test	2
8.	Letter cancelation test	2

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Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepeya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
DEAN  
Dean  
Faculty of Allied & Health Professionals  
Yenepeya (Deemed to be University)



YENEPOYA  
(DEEMED TO BE UNIVERSITY)

## YENEPOYA PHYSIOTHERAPY COLLEGE

(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)

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### YENEPOYA PHYSIOTHERAPY COLLEGE

#### TEACHING HOSPITAL, EQUIPMENTS, LABORATORIES AND CLINICAL TEACHING LEARNING FACILITIES

	Availability Physiotherapy OPD - YMCH
Clinical area- OPD	4077 sq.ft
<b>Laboratories (YPC Subjects)</b>	
Demonstration room I	655.52 sq.ft
Exercise therapy Laboratory	655.52 sq.ft
Demonstration room II	655.52 sq.ft
Electrotherapy laboratory	655.52 sq.ft
<b>Laboratories (Medical Subjects)</b>	
Anatomy dissection hall with storage for cadavers, osteology, demonstration room etc.	The facilities available in Yenepoya medical college are utilized
One laboratory for physiology and pathology and microbiology with stores and preparation rooms for individual subjects attached to it.	

PRINCIPAL  
YENEPOYA PHYSIOTHERAPY COLLEGE  
DERALAKATTE, MANGALORE-575018

ATTESTED

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka



Ph. : 2204668 / 69 / 70

Fax: 0824 - 2204667

# YENEPOYA PHYSIOTHERAPY COLLEGE

(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)

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Goniometer pelvic cervical	1	Physiotherapy OPD
Dynamometer	1	Physiotherapy OPD
PFT & Spirometers	1	Physiotherapy OPD
Peak flow meters	1	Physiotherapy OPD
Nebuliser	1	Physiotherapy OPD
Humidifier	1	Physiotherapy OPD
Sensory education unit	1	Physiotherapy OPD
Treadmill and bicycle ergometer	1	Physiotherapy OPD
Nerve conduction study (NCV)	1	Physiotherapy OPD
Stress testing apparatus (Treadmill)	1	Physiotherapy OPD
Ambu bag	1	Physiotherapy OPD
Hand Rehabilitation unit	1	Physiotherapy OPD
Solid state ultrasound therapy electro son 608	2	Physiotherapy OPD
Manual therapy couch model PEGASUS	1	Physiotherapy OPD
Spiro meter computerized Helios 401 – Hardware & Software	1	Physiotherapy OPD
Parafin wax bath tub	1	Physiotherapy - OPD
Electro medical apparatus	1	Physiotherapy - OPD
Muscle stimulator	1	Physiotherapy - OPD
Combination therapy	1	Physiotherapy - OPD

## LABORATORIES AT OPD

Short wave diathermy	1	Electro therapy unit I
Ultra sound	3	Electrotherapy unit II
Vectro stim	1	Electrotherapy unit II
Moist heat equipment	1	Electro therapy unit I
Tens	2	Electro therapy unit I
Whirlpool bath	1	Cardio Pulmonary rehabilitation
Goniometer pelvic	1	Neurological rehabilitation
Pulmonary function testing apparatus (PFT)	1	Cardio Pulmonary rehabilitation
Laser therapy machine	1	Cardio Pulmonary rehabilitation
ACUTENS – Advanced compact computerized	1	Electrotherapy unit II
Diagnostic muscle stimulator	2	Electrotherapy unit II
Intermittent traction	1	Electro therapy unit I
Muscle stimulator	1	Demonstration room

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Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

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YENEPOYA PHYSIOTHERAPY COLLEGE  
DERALAKATTE, MANGALORE-575018





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## EQUIPMENTS AND INSTRUMENT LIST PHYSIOTHERAPY OPD - YMCH

Name of the Equipment	Availability	Location
Sphygmomanometer	1	Physiotherapy OPD
Paraffin wax bath	1	Physiotherapy OPD
Infrared lamp	1	Physiotherapy OPD
Ultra violet lamp	1	Physiotherapy - OPD
Electrical heat pad	1	Physiotherapy OPD
Interferential therapy	2	Physiotherapy OPD
Electrical muscle stimulator	5	Physiotherapy OPD
Traction unit	1	Physiotherapy OPD
Quadriceps table	1	Physiotherapy OPD
Shoulder wheel	1	Physiotherapy OPD
Overhead pulley	1	Physiotherapy OPD
Parallel bar with mirror	1	Physiotherapy OPD
Ankle mobilizer	1	Physiotherapy OPD
Equilibrium board	1	Physiotherapy OPD
Vestibular ball	5	Physiotherapy OPD
Nirmal hand exerciser	1	Physiotherapy OPD
Co-ordination unit	1	Physiotherapy OPD
Physiological tilt table	1	Physiotherapy OPD
Stair case	1	Physiotherapy OPD
<b>Walking aids</b>		Physiotherapy OPD
a) Walker	2	
b) Rolator	1	
c) Forearm gutter crutches	1 Pair	
d) Elbow Crutches	1 Pair	
e) Auxiliary crutches	3 Pair	
f) Walking stick	2	
Weight cuffs – 5kg, 4kg, 3kg, 2kg, 1kg, ½ kg	1 Pair each	Physiotherapy OPD
Dumbbells – 5kg, 4kg, 3kg, 2kg, 1kg	1 Pair each	Physiotherapy OPD
Reeducation board	1	Physiotherapy OPD
Skates	2	Physiotherapy OPD
Finger ladder	2	Physiotherapy OPD
Hand gripper	1	Physiotherapy OPD
Thera bands	1 Set	Physiotherapy OPD
Static cycle	1	Physiotherapy OPD
Continuous passive movement (CPM)	1	Physiotherapy OPD
Cryo therapy unit	1	Physiotherapy OPD
Electro miography – Biofeedback unit	1	Physiotherapy OPD

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Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018 Karnataka

  
PRINCIPAL  
YENEPOYA PHYSIOTHERAPY COLLEGE  
DERALAKATTE, MANGALORE-575018



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(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)

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### ORTHOTICS & PROSTHETIC UNIT

Name of the Equipment	Availability	Location
<u>Spinal orthosis:</u>		Physiotherapy OPD
Cervical orthosis (Hard Collar)	1	Physiotherapy OPD
Thoraco lumbo sacral orthosis (Tylors & G.W Brace)	1	Physiotherapy OPD
Milwaukee brace	1	Physiotherapy OPD
Lumbo sacral orthosis	1	Physiotherapy OPD
Somi (four poster) brace	1	Physiotherapy OPD
<u>Splints:</u>		Physiotherapy OPD
Cock up splint (Adult)	1	Physiotherapy OPD
Knuckle duster splint	1	Physiotherapy OPD
Foot drop splint	1	Physiotherapy OPD
<u>Calipers:</u>		Physiotherapy OPD
Ankle foot orthosis	1	Physiotherapy OPD
Knee ankle foot orthosis	1	Physiotherapy OPD
Hip knee ankle foot orthosis	1	Physiotherapy OPD
<u>Prosthetics:</u>		Physiotherapy OPD
Sach foot	1	Physiotherapy OPD
Prosthesis for transtibial amputation (B.K)	1	Physiotherapy OPD
Prosthesis for transfemoral amputation (B.K)	1	Physiotherapy OPD

**PRINCIPAL**  
YENEPOYA PHYSIOTHERAPY COLLEGE  
DERALAKATTE, MANGALORE-575018

**ATTESTED**

**Dr.Gangadhara Somayaji K.S.**  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka



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# **Yenepoaya Ayurveda Medical College and Hospital**

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<b>Sl. No</b>	<b>Particular</b>	<b>Page No.</b>
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2	Teaching Hospital equipments	170-181

**Teaching Hospital/s, Equipments, Laboratory and clinical teaching-learning facilities including equipment as per the norms of the respective Regulatory Bodies.**

(Published As per The Gazette of India, Part III – Section 4, on Monday, November 7, 2016)

**AREA STATEMENT**

**Hospital administration block**

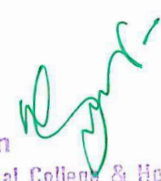
Sl. No.	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Superintendent Room	150 sq.mts	200 sq.mts
2	Deputy Superintendent Room		
3	Medical Officer's Room		
4	Matron Room		
5	Assistant Matron Room		
6	Reception and Registration		

**Hospital outpatient departments (OPD)**

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Kayachikitsa OPD	500 sq.mts	530 sq.mts
2	Shalya OPD		
3	Shalkya OPD		
4	Stree Roga Evam Prasuti Tantra OPD		
5	Kaumarabhrithya OPD		
6	Swasthyarakshana and Yoga OPD		
7	Atyayika (casualty) section		
8	Dressing and first Aid room Ksharasutra Room		
9	Dispensary		
10	Waiting space for Patients		
11	Store		
12	Male and Female Toilets or patients		

ATTESTED

  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
Dean  
Yenepoya Ayurveda Medical College & Hospital

### Hospital inpatient departments (IPD)

Sl. No	particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Kayachikitsa Male ward	1650 sq.mts	1932 sq.mts
2	Kayachikitsa Female ward		
3	Panchakarma Male ward		
4	Panchakarma Female ward		
5	Shalya Male ward		
6	Shalya Female ward		
7	Shalakya Tantra ward		
8	Prasooti evum stree roga ward		
9	Kaumar Bhritya (balaroga ward)		
10	Doctors duty room one for each department		
11	Nursing staff duty rooms one in each ward		
12	store room for linen, etc.,		

### Operation theatre block

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Major Operation Theatre	250 sq.mts	308 sq.mts
2	Minor Operation Theatre		
3	Shalakya operation Theatre		
4	Labour room with attached toilet and bathroom		
5	Neonatal care room		
6	Central sterilization and autoclave unit		
7	Scrub room		
8	Two recovery room		
9	Doctors duty room with attached toilet and bathroom		
10	Interns/house officer/resident doctors room with attached toilet and bathroom		
11	Nursing staff room with attached toilet and bath room		

ATTESTED

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

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**Panchakarma block**

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Snehana Kaksha (Male)	350 sq.mts	380 sq.mts
2	Snehana Kaksha (Female)		
3	Swedana Kaksha (Male)		
4	Swedana Kaksha (Female)		
5	Shirodhara Kaksha (Male)		
6	Shirodhara Kaksha (Female)		
7	Vamana Kaksha (Male)		
8	Vamana Kaksha (Female)		
9	Virechana Kaksha (Male)		
10	Virechana Kaksha (Female)		
11	Basti Kaksha (Male)		
12	Basti Kaksha (Female)		
13	Raktamokshana, Jalaukavacharana, Agnikarma, Prachana etc Kaksha		
14	Panchakarma Therapist/physiciajs room		
15	Panchakarma store room		
16	Attached toilets for males and females		

**Physiotherapy unit**

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Physiotherapy room	150 sq.mts	150 sq.mts
2	Physiotherapist room		

**Clinical laboratory**

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Clinical Laboratory	150 sq.mts	160 sq.mts

**Radiology/sonography section**

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Radiologist Chamber	100 sq.mts	110 sq.mts
2	X-Ray room		
3	Dark room		
4	Film drying room		
5	Store room		
6	Ultra sonography room		
7	Patient's waiting and dressing room		
8	Reception/registration /report room		

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)
1	Additional space	200 sq.mts
	<b>Total constructed area</b>	<b>3970 sq.mts</b>

**ATTESTED**

- Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

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Yenepoya Ayurveda Medical College & Hospital

## Teaching Hospital facilities

### OPD block

Sl. No	Name of the OPD	As per the regulatory body requirement	Available
1.	Kayachikitsa	1	1
2.	Panchakarma	1	1
3.	Shalya Tantra	1	1
4.	Shalakyta Tantra (two rooms for out-patient Department) a) Netra Roga Vibhaga b) Karna-nasa –Mukha evam Dantra Roga Vibhaga	1	1
5.	Prasuti evam striroga	1	1
6.	Kaumarabhritya (balaroga)	1	1
7.	Swasthavritta evam Yoga	1	1
8.	Aatyayika (Emergency)	1	1

### IPD block

Sl. No	Bed strength	As per the regulatory body requirement	Available
	Total no. of Beds	100	100
<b>Distribution of beds</b>			
1	Kayachikitsa(Panchakarma, Rasayana and Manas Roga etc)	50%	50
2	Shalya tantra and shalakyta tantra	25%	25
3	Prasuti evam Striroga and Kaumarabhritya	25%	25

### Clinical laboratory

Sl. No.	Facilities	As per the regulatory body requirement	Available
1.	Pathological	1	1
2.	Bio chemical	1	1
3.	Hemetological	1	1

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 Dr. Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

  
 Dean  
 Yenepoya Ayurveda Medical College & Hospital



**YENEPOYA AYURVEDA MEDICAL COLLEGE AREA STATEMENT**

Sl. No	Particulars	Regulatory requirement of CCIM (sq.mts)	Existing facilities in the college (sq.mts)
1	Administrative Wing	300 sq.mts	300 sq.mts
2	Lecture halls	800 sq.mts	841 sq.mts
3	Seminar /Conference /Examination hall	300 sq.mts	1200 sq.mts
4	Central Library	200 sq.mts	300 sq.mts
5	Teaching Pharmacy and Quality testing Laboratory	200 sq.mts	200 sq.mts
6	Department of Samhita and Siddhantha	100 sq.mts	140 sq.mts
7	Department of Rachana Shareera	250 sq.mts	270 sq.mts
8	Department of Kriya Shareera	150 sq.mts	280 sq.mts
9	Department of Dravyaguna	250 sq.mts	260 sq.mts
10	Department of Rasashastra Evam Bhaishajya Kalpana	150 sq.mts	180 sq.mts
11	Department of Roganidan Evum Vikriti Vigyan	150 sq.mts	200 sq.mts
12	Department of Swastha vritta and Yoga	150 sq.mts	160 sq.mts
13	Department of Agada tantra Evam Vidhi vaidyak	100 sq.mts	140 sq.mts
14	Department of Kayachikitsa	150 sq.mts	180 sq.mts
15	Department of Panchakarma	75 sq.mts	90 sq.mts
16	Department of Shalya tantra	150 sq.mts	150 sq.mts
17	Department of Shalakya tantra	150 sq.mts	180 sq.mts
18	Department of Prasuti Evam Stree roga	100 sq.mts	140 sq.mts
19	Department of Kaumarabhrithya	75 sq.mts	90 sq.mts
20	Additional Space		1175
	<b>TOTAL CONSTRUCTED AREA</b>	<b>4000 sq.mts</b>	<b>6476 sq.mts</b>

**GRAND TOTAL CONSTRUCTED AREA OF COLLEGE (SQ. MTS): 6476**

**ATTESTED**

  
**Dr. Gangadhara Somayaji K.S.**  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Derlakatte  
 Mangalore- 575 018, Karnataka

  
 Dean

Yenepoya Ayurveda Medical College & Hospital


# Equipment list

## Teaching Hospital Equipments

### Labour room

Sl. No	Equipment details	As per the regulatory body requirement	Available
1.	Shadowless lamp	1	1
2.	Suction Machine (Neonatal)	1	1
3.	Oxygen cylinder and mask (Adult)	1	1
4.	Foetal Toco Cardiograph	1	1
5.	Radiant Warmer	1	1
6.	Phototherapy Unit	1	1
7.	Weighing machine (Paediatric)	1	1
8.	Patient trolley	2	2
9.	Anaesthesia trolley	1	1
10.	Infantometer	1	1
11.	Vacuum extractor	1	1
12.	Foetal Doppler	1	1
13.	Low cavity forceps	2	2
14.	Sterilizer	2	2
15.	Machintosh rubber sheet	Assorted	2
16.	Catguts and thread		10
17.	Instruments for labour and episiotomy (scissors, forceps, needle holders etc.)	Assorted	Available
18.	Baby tray	2	2
19.	HIV kit for emergency patients	Assorted	1
20.	Plain and hole towels	Assorted	5 each
21.	Nebuliser	1	1
22.	Foetoscope	5	5
23.	Autoclave	1	1
24.	Drums	Assorted	5
25.	Instrumental trolley	Assorted	Available
26.	OT tables and head up and headlow facility	1	1
27.	Pulse Oximeter	1	1
28.	Resuscitation kit	1	1
29.	Boyle's apparatus	1	1
30.	Electrocautery	1	1
31.	MTP suction machine	1	1
32.	Anaesthesia Kit	1	1
33.	Blunt and sharp curettes	10	10
34.	Dilators set (Hegar's Hawkins)	5	5
35.	Sims's Speculum	5	5
36.	Anterior vaginal wazll retractor	5	5
37.	Cusco's speculum	5	5
38.	Uterine sound	5	5
39.	Volsellum	5	5
40.	MTP suction curate	5	5


**ATTESTED**

  
 Dr. Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

  
 Dean  
 Yenepoya Ayurveda Medical College & Hospital

41.	Needles	Assorted	10
42.	Needle holders	Assorted	2
43.	Sponge holding forcep's	5	5
44.	Towel clips	Assorted	5
45.	Retractors abdominal (Doayne's etc.,)	5	5
46.	Green armytage forceps	5	5
47.	Uterus holding forceps	5	5
48.	Kocher's forceps	5	5
49.	Artery forceps (long, short, Mosquito)	5	5 each
50.	Scissors-different sizes	5	9
51.	Forceps obstetrics	5	5
52.	Endotrachial tubes	5	5
53.	BP apparatus	2	2
54.	Cord cutting appliances	5	5
55.	I.U.C.D removing hook	5	5
56.	Bladder sound	5	5
1.	Spot light (shadowless ceiling fitted)	1	1
2.	Needle Holding forceps (big/Medium/small)	Assorted	Available
3.	Dressing drums of assorted size	Assorted	Available
4.	Drum stand	Assorted	Available
5.	IV stand	2	2
6.	X-ray view box (double)	2	2
7.	Cheatles forces	4	4
8.	Mosquito forceps	4	4
9.	Scissors straight (tailor)	4	4
10.	Scissors curved of different sizes	5 each	15
11.	Stitch removal scissors	5 each	10
12.	Dissection forceps	4	4
13.	Sinus forceps	4	4
14.	Probes – assorted size	5 each	15
15.	Pointed scissors	4	4
16.	Abdominal retractors	5	5
17.	Tissue forceps	5	5
18.	Bob Kock's forceps	5	5
19.	Kocher's forceps	5	5
20.	Urethral dilators	5 each	10
21.	Rubber catheters of assorted size	Assorted	Available
22.	Metal cathletors	5 each	10
23.	Corrugated rubber drain	Assorted	Available
24.	Suturing needle (straight/curved) of assorted size	Assorted	Available
25.	Surgical thread	Assorted	Available
26.	Sponge holding forceps	4	4
27.	Right Angle cholecystectomy forceps	4	4
28.	Stone holding forceps	4	4
29.	Allies forceps small	4	4
30.	Allies forceps big	4	4


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 Dr. Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

  
 Dean  
 Yenepoya Ayurveda Medical College & Hospital

31.	Artery forceps small	4	4
32.	Artery forceps big	4	4
33.	Artery forceps medium	4	4
34.	Sigmoidoscope rigid/flexible	1	1
35.	Barron pile's Gun	2	2
36.	Laryngoscope paediatric/Adult	1	1
37.	Boyles apparatus	1	1
38.	Multi parameter monitor	1	1
39.	Ambu bag	2	2
40.	Suction machine electrical or manual	1	1
41.	Emergency power back up facility	Assorted	Available
42.	Emergency light	4	4
43.	Fire extinguisher	2	2
44.	Skin grafting knife with handle	Assorted	Available
45.	Surgical blades of different size	Assorted	Available
46.	BP handle of different size	Assorted	Available
47.	Vertical BP instrument	1	1
48.	Self retaining retractor	2	available
49.	Bone cutter	2	2
50.	Giggly saw	2	2
51.	Scoop	Assorted	Available
52.	Periosteum elevator	2	2
53.	Magglers forceps	Assorted	Available
54.	High pressure autoclave	1	1
55.	Fumigator	1	1
56.	Refrigerator	1	1
57.	Nitrous oxide cylinder	1	1
58.	Hydrolic operation table	1	1
59.	Boyle's apparatus	1	1
60.	Instrument trolley	1	1
61.	Endotracheal tube	Assorted	Available
62.	Protoscope with or without illumination	Assorted	2
63.	Revolving stool	Assorted	Available
64.	Gabrial syringe	1	1
65.	Stretcher with trolley	2	2
66.	Needle holder	Assorted	Available
67.	BP Apparatus	Assorted	Available
68.	Suction machine	Assorted	Available

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**Dr. Gangadhara Somayaji K.S.**  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

  
 Dean  
 Yenepoya Ayurveda Medical College & Hospital

**Shalakya: Ophthalmic equipment or instrument for operative surgery**

1.	Ophthalmic operation table with head rest	1	1
2.	Sterilizing box/case with matts	Assorted	Available
3.	Lens insertion forceps	Assorted	Available
4.	Keratome	Assorted	Available
5.	Desmarres lid retractors	Assorted	Available
6.	Cat-paw lacrimal retractor	Assorted	Available
7.	Mueller lacrimal sac retractor	Assorted	Available
8.	Dastoor iris retractor	Assorted	Available
9.	Meyrhoefer chalazioncurete	Assorted	Available
10.	Sinsky lens manipulating hook	Assorted	Available
11.	IOL manipulator	Assorted	Available
12.	Foreign body spud	Assorted	Available
13.	Lewis lens loop (vectis)	Assorted	Available
14.	Cystotome and spoon	Assorted	Available
15.	Mule evisceration spoon	Assorted	Available
16.	It is repository (double ended)	Assorted	Available
17.	Jameson muscle hook	Assorted	Available
18.	Wills cautery with copper ball point	Assorted	Available
19.	Langs lacrimal sac dissector	Assorted	Available
20.	Kelly glaucoma punch	Assorted	Available
21.	Elevator (double ended)	Assorted	Available
22.	Nasal speculum adult/child	Assorted	Available
23.	Wilder punctum dilator	Assorted	Available
24.	Bowman lacrimal probes	Assorted	Available
25.	Hartman mosquito forceps	Assorted	Available
26.	Colibri forceps 1 * 2 teeth	Assorted	Available
27.	Mc. Person corneal forceps with tying platform	Assorted	Available
28.	Dressing forceps, serrated	Assorted	Available
29.	Moorfieldconjunctival forceps	Assorted	Available
30.	Fixation forceps	Assorted	Available
31.	Beer cilea (epilation)forceps	Assorted	Available
32.	Arruga capsular forceps	Assorted	Available
33.	snellenEntropion clamp	Assorted	Available
34.	Chalazion clamps	Assorted	Available
35.	Vannas straight scissors	Assorted	Available
36.	Barraquer needle holder	Assorted	Available
37.	Air injection cannula	Assorted	Available
38.	Healon aspirating cannula	Assorted	Available
39.	AC washout cannula	Assorted	Available
40.	Lacrimal cannula	Assorted	Available
41.	Hydrodialysis cannula	Assorted	Available
42.	J-loop cannula (right/left with silicon tubing)	Assorted	Available
43.	Simcok direct I/A cannula with silicon tubing	Assorted	Available
44.	Irrigating aspirating handle	Assorted	Available
45.	Lens dialer	Assorted	Available
46.	Superior rectus forceps	Assorted	Available
47.	Eye wash glasses (for tarpana karma)	Assorted	Available
48.	Swimming goggles (for Tarpana Karma)	Assorted	Available

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Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
Dean  
Yenepoya Ayurveda Medical College & Hospital

## ENT surgical or Operative procedural instruments

1.	Aural syringe	Assorted	Available
2.	Jobson's aural probe	Assorted	Available
3.	Eustachian catheter	Assorted	Available
4.	Mastoid Retractor	Assorted	Available
5.	Mastoid Gouge	Assorted	Available
6.	Mallet	Assorted	Available
7.	Nasal Foreign Body hook	Assorted	Available
8.	Nasal packing forceps	Assorted	Available
9.	Nasal Snare	Assorted	Available
10.	Bayonet Shaped gouge	Assorted	Available
11.	Walshman's forceps	Assorted	Available
12.	Laryngeal forceps	Assorted	Available
13.	Tongue plate with throat suction	Assorted	Available
14.	Tonsil holding forceps	Assorted	Available
15.	Tonsillar suction	Assorted	Available
16.	Adenoid curette with cage	Assorted	Available
17.	Peritonsillarabcess draining forceps	Assorted	Available
18.	Fuller's Tracheostomy Tube	Assorted	Available
19.	Cheatel's Forceps	Assorted	Available

## Instruments and Equipments for OPD


### Kayachikitsa

1.	X-Ray View Box	1	1
2.	BP Apparatus	2	2
3.	Stethoscope	4	4
4.	Examination Table	1	1
5.	Thermometer	4	4
6.	Tongue Depressor	5	5
7.	Torch	2	2
8.	Gloves	Assorted	Available
9.	Measuring tape	1	1
10.	Weight and height measuring stand	1	1
11.	Knee hammer	2	2

### Shalya

1	Minor OT	Assorted	Available
2	Instruments for anorectal examination	2sets	2
3	examination table	1	1
4	Bp Apparatus	2	2
5	Thermometer	4	4
6	Surgical blades	Assorted	Available
7	X-Ray viewing box	1	1
8	Stethoscope	4	4
9	cheefke's forceps	Assorted	Available
10	Torch	Assorted	Available

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Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
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**Shalakya**

1	Tuning forks	2	2
2	Ophthalmoscope/fundoscope	2	2
3	Auroscope	2	2
4	Examination table	1	1
5	X-ray viewing box	1	1
6	BP-apparatus	2	2
7	Stethoscope	4	4
8	Thermometer	4	4
9	ENT kit	Assorted	Available
10	Torch	2	2
11	Bull's lamp	1	1

**Prasooti and stree roga**

1	Weighing machine	1	1
2	Sim's speculum	2	2
3	Thermometer	4	4
4	Cusco's speculum	2	2
5	Examination table	1	1
6	Lamp stand	1	1
7	Torch	2	2
8	X-Ray viewing box	1	1
9	BP apparatus	2	2
10	Stethoscope	4	4
11	Measuring tape	2	2

**Balroga**


1	Scale	1	1
2	Weighing machine	1	1
3	Torch	2	2
4	View box	1	1
5	Thermometer	4	4
6	BP Apparatus	2	2
7	Stethoscope	Assorted	Available
8	Examination table	Assorted	Available

**Panchakarma**

1	X-ray view box	1	1
2	BP Apparatus	2	2
3	Stethoscope	4	4
4	Examination table	1	1
5	Thermometer	4	4
6	Tongue depressor	5	5
7	Torch	2	2
8	Measuring tape	1	1
9	Weight and height measuring stand	1	1
10	Knee hammer	2	2
11	Gloves	Assorted	Available

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Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
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**Yoga section (swastha rakhshan)**

1	Facilities available(equipment, instrument, furniture etc)	Assorted	Available
Emergency			
1	Facilities available (equipment, instrument, furniture etc)	Assorted	Available

**Clinical teaching laboratories**

Sl. No	Laboratories	As per the regulatory body requirement	Available
1.	Physiology laboratory (Shareera Kriya)	1	1
2.	Teaching Pharmacy	1	1
3.	Pathology(Roga Nidhana)	1	1
4.	Pharmacognosy (Dravyaguna)	1	1

**Clinical teaching learning facilities**

**Anatomy dissection hall**

Sl. No	Equipments	As per the regulatory body requirement	Available
1.	Tank with a capacity to preserve 2-4 bodies	Assorted	1
2.	Machines for bones and brain sectioning	Assorted	1
3.	Dissection sets	25	25
4.	Dissecting table		13
5.	Full size with steel top or marble top stainless	6	6
6.	Half size with steel top or marble top stainless	10	10
7.	x-ray viewing box or panels	3	3
8.	Bone cutter of the number $\frac{3}{4}$ , $\frac{1}{2}$ , $\frac{1}{8}$ - fine pointed chisel bone dissector	Assorted	Available
9.	Glass jars of different sizes	Assorted	Available
10.	Preservative chemicals	Assorted	Available

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- Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University, Yenepoya  
Mangalore- 575 018, Karnataka

  
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### Physiology laboratory

Sl. No	Equipments	As per the regulatory body requirement	Available
1.	Microscopes with oil immersion	50	50
2.	Westergen's pipette for ESR	100	100
3.	Haematocrit tube	100	100
4.	Sahli's Haemoglobinometer	100	100
5.	Haemocytometer	100	100
6.	Electrocardiograph	1	1
7.	Stop watches	100	100
8.	Water distillation still	1	1
9.	Balances	1	1
10.	Centrifuge with speed control	6	6
11.	Colorimeter (photoelectric)	6	6
12.	pH meter electric	1	1
13.	pH comparator with disc	1	1
14.	Sphygmomanometer	50	50
15.	Stethoscopes	100	100
16.	Clinical thermometer	100	100
17.	Knee hammer	100	100
18.	Tuning forks	100	100
19.	Sterilizer	5	5

### Teaching Pharmacy

Sl. No	Equipments	As per the regulatory body requirement	Available
1.	Khalva Yantra -Small	20	20
2.	Khalva Yantra -Medium	20	20
3.	Khalva Yantra -Porcelain	20	20
4.	Khalva Yantra -Tapta khalva yantra	4	4
5.	Electronic Balance	1	1
6.	Heating device-Gas stove	11	11
7.	Heating device-Hot plate	2	2
8.	Heating device - Chulla (Charcoal)	2	2
9.	Vessels-Frying pan	10	10
10.	Vessels-Steel vessel	14	14
11.	Vessels-Spatula	5	5
12.	Vessels - Ladles and spoons	24, 23	24, 23
13.	Vessels - Knife	16	16
14.	Vessels - plate	24	24
15.	Vessels-Samdamsa Yantra (tongs)	5	5
16.	Measuring equipments different size (Glass)	5	5
17.	Big Vessels and containers - brass	5	5
18.	Big vessels and containers-Copper	5	5
19.	Big vessels and Containers -steel etc	11	11
20.	Balance (Different capacities)-Physical	1	1

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Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
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21.	Balance (Different capacities)-Chemical	1	1
22.	Pounding apparatus (Ulukhala Yantra)	21	21
23.	Sieves(Assorted numbers and Size)	17	17
24.	Wet grinder	1	1
25.	Mixi	1	1
26.	Juice Extractor	1	1
27.	Putas (Different kind)	10	10
28.	Pyrometer	1	1
29.	Thermometer	2	2
30.	Pressure cooker	2	2
31.	Moosha (Crucibles)	50	50
32.	Koshti with blower	4	4
33.	Refrigerator	1	1
34.	Jars (Porcelain) fermentation purpose	5	5
35.	Dola yantra	1	1
36.	Valuka Yantra	1	1
37.	Pithara Yantra	1	1
38.	Bhudhara yantra etc	1	1
39.	Distillation apparatus and Arka yantra	6	6
40.	Enamel Trays	10	10
41.	Spirit lamp	10	10
42.	Earthen vessels – pots	23	23
43.	Kupipakva Bhatti	1	1
44.	Almiras and Racks for Storage	19	19

### Pathology

Sl. No	Equipments	As per the regulatory body requirement	Available
1.	Binocular microscope	25	25
2.	Microscope with oil immersion	25	25
3.	Monocular microscope with oil emersion lens20(e)	25	25
4.	X-ray view box	1	1
5.	Sahli's Square tube	50	50
6.	Hb pipette	50	50
7.	WBC Pipette	50	50
8.	Dropper	50	50
9.	Red cell pipette	50	50
10.	Improved Neubauer chamber	50	50
11.	Incubator	2	2
12.	Wintrobe's tube	50	50
13.	Pasteur's pipette	50	50
14.	Centrifuge Graduated Machine	2	2
15.	Westregrens pipette	50	50


**ATTESTED**

  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
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16.	Westergrens's stand	50	50
17.	Urinometer	50	50
18.	Autoclave	1	1
19.	Ultraviolet lamp	1	1
20.	Cell counter (haemoautoanalyser)	1	1
21.	BP Apparatus	50	50
22.	Stethoscope	50	50
23.	Thermometer	50	50
24.	Tongue depressor	50	50
25.	Stop watch	50	50
<b>General</b>			
26.	Physical balance	1	1
27.	Hot air oven	1	1
28.	Bunsen burner	50	50
29.	Refrigerator	1	1
<b>Miscellaneous</b>			
30.	Sterile vessels/bottle to collect samples	Assorted	100
31.	Torch	Assorted	10
32.	Knee hammer	Assorted	10
33.	Measuring Tape	Assorted	10
34.	ENT examination set	Assorted	4
35.	Reflectors (Mirrors)	Assorted	4
36.	Weighing machine	1	2
37.	Tuning Forks	Assorted	4 Sets
38.	Nasal speculum	Assorted	4
39.	Laryngoscope	Assorted	4
40.	Catheters	Assorted	10
41.	Probes	Assorted	4
42.	HBs Ag kit	Assorted	10
43.	HIV kit - Tridot (method by T Mitra)	Assorted	10
44.	CT and BT kit	Assorted	10
45.	Renal profile, LET kit, Lipid profile, Blood Sugar kit	Assorted	10 each
46.	Sterile disposable lancer/needle	Assorted	100
47.	Glass rod	Assorted	50
48.	Syringe needle destroyer	Assorted	2
49.	Cover slip	Assorted	100
50.	Cleaned slides	Assorted	100
51.	Litmus paper	Assorted	5 Boxes
52.	pH indicator paper strips	Assorted	5 Boxes
53.	Test tube	Assorted	200
54.	Separating funnels of various sizes	Assorted	15 each
55.	Glass Jars with lid of different sizes	Assorted	10x3
56.	Capillary Tubes	Assorted	2 Boxes
57.	Rubber sheet	Assorted	5
58.	Magnifying lens	Assorted	10
59.	Water bath	Assorted	2
60.	Multi stix	Assorted	100

ATTACHED

  
 Dr. Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

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 Yenepoya Ayurveda Medical College & Hospital

## Pharmacognosy


Sl. No	Equipments	As per the regulatory body requirement	Available
1.	Field magnifier	1	1
2.	Compound microscope	1	1
3.	Dissecting Microscope	1	1
4.	Microscope	25	25
5.	Electronic balance	2	2
<b>Miscellaneous</b>			
6.	Slides box with cover slips	Assorted	50
7.	Blotting/filter papers	Assorted	100
8.	Dissection Box	Assorted	10
9.	Enamel Trays	Assorted	50
<b>Reagents</b>			
10.	Chloroform	Assorted	500ml
11.	Alcohol.	Assorted	500ml
12.	HCL	Assorted	500ml
13.	Sulphuric acid	Assorted	500ml
14.	Sodium, potassium hydroxide	Assorted	500ml
15.	Benedict solution	Assorted	500ml
16.	Sodium nitrate	Assorted	500ml
17.	Potassium nitrate	Assorted	500ml
18.	Citric acid	Assorted	500ml
19.	Iodine	Assorted	500ml
20.	Ethyl Alcohol	Assorted	500ml
21.	Potassium Iodide	Assorted	500ml
22.	Xylol/pure xylene (slide preparation)	Assorted	500ml



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ATTESTED

  
 Dr. Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

# **Yenepoya Homoeopathic Medical College and Hospital**

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**YENEPOYA HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL**  
 (A constituent College of Yenepoya (Deemed to be university) Mangalore - 575018  
 Recognised by Central Council of Homoeopathy, New Delhi, Ministry of AYUSH  
 Government of India

**Teaching Hospital, Equipments, Laboratories and Clinical Teaching Learning Facilities**

Published As per The Gazette of India, Part III – Section 4, on Tuesday,  
 April 30, 2019

**AREA STATEMENT**

**Hospital Administration Block**

Sl. No	Name of Departments	Required Area (sq.mts)	Available Area (sq.mts)
1	Superintendent Room/Deputy Superintendent Room	50 sq.mts	134.95 sq.mts
2	Senior Medical Officer's Room		
3	Staff Nurse Room		

**Hospital OPD Block**

Sl. No	Name of Departments	Required Area (sq.mts)	Available Area (sq.mts)
1	General Medicine OPD	100 sq.mts	223.028 sq.mts
2	Obstetrics & Gynaecology OPD		
3	Paediatrics and Reproductive & Child health OPD		
4	Surgery OPD		
5	Dressing Room		
6	Dispensary		
7	Waiting space for patients		
8	Store		
9	Additional space		

**Hospital IPD Block**

Sl. No	Name of Departments	Required Area (sq.mts)	Available Area (sq.mts)
1	General Medicine Male Ward	350 sq.mts	353.68 sq.mts
2	General Medicine Female Ward		
3	Surgery Male Ward		
4	Surgery female Ward		
5	Obstetrics & Gynaecology Ward		
6	Paediatrics Ward		
7	Additional space		

Dr. Gangadhara Somavaji K.S.  
 Registrar

*[Signature]*  
 Dean / Principal  
 Yenepoya Homoeopathic  
 Medical College & Hospital  
 Mangalore - 575018  
 Ph : +917026147755  
 Karnataka - 575018



### Operation Theatre Block

Sl. No	Name of Departments	Required Area (sq.mts)	Available Area (sq.mts)
1	Operation Theatre	100 sq.mts	210.68 sq.mts
2	Post Operative Recovery Room		
3	Labour Room		
4	Central sterilisation/autoclave unit		
5	Room for sterilized Linen/Equipments		
8	Nursing staff room with attached toilet and bath room		

### Rehabilitation Unit including Physiotherapy and Yoga

Sl. No	Name of Departments	Required Area (sq.mts)	Available Area (sq.mts)
1	Yoga Room	40 sq.mts	64.34 sq.mts
2	Physiotherapist Room		

### Clinical Laboratory

Sl. No	Name of Departments	Required Area (sq.mts)	Available Area (sq.mts)
1	Pathology and Microbiology	40 sq.mts	45.34 sq.mts
2	Bio-chemistry		

### Radiology or Sonography section Block

Sl. No	Name of Departments	Required Area (sq.mts)	Available Area (sq.mts)
1	Radiologist chamber	As Required	99.1 sq.mts
2	X-ray room	40 sq.mts	
3	Dark room		
4	Film drying room		
5	Store room For films and Chemicals		
6	Ultra Sonography Room	As Required	
7	Patients waiting and dressing room	As Required	
8	Reception or registration or report room	As Required	



*[Signature]*  
Dean / Principal  
Yenepoya Homeopathic  
Medical College & Hospital  
Karnataka - 575 018

ATTESTED

*[Signature]*  
Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

### Additional space

Sl. No	Name of Departments	Available Area (sq.mts)
1	Additional space	Yes

### Other Infrastructure Details

Sl. No	Name of Departments	Requirement	Available ( Yes or No)
1	Ambulance Services	As Required	Yes
2	Sitting arrangement for internees/students in Various Out Patient Department	As Required	Yes



A handwritten signature in green ink, appearing to read "C. Lakshmi".

**Dean / Principal**  
Yenepoya Homoeopathic  
Medical College & Hospital  
Karnataka - 575 018

**ATTESTED**

A handwritten signature in green ink, appearing to read "K.S. Somayaji".

**Dr.Gangadhara Somayaji K.S.**  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

# Equipment List



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### Teaching Hospital Equipments

Sl. No	Equipment details	As per the regulatory body requirement	Available
1	Stretcher with trolley	01 in each ward	03
2	Sterilizers	02	02
3	B.P. Instrument	05	06
4	Urine pots, male and female	10	10
5	Bed pans E.I	10	11
6	Tongue depressor -Disposable	As Required	100
7	Suction Machine	01	03
8	Suction tube	As Required	03
9	Artery forceps, small and big	06	26
10	Back rest	02	02
11	Oxygen cylinder with stand	01	02
12	Dressing drums (big)	02	05
13	Diagnostic set (ENT)	01	04
14	Infra-red lamp	01	01
15	Chair trolley with wheels	02	02
16	Refrigerator	01	01
17	Weighing Machine	02	04

### Clinical Teaching Laboratories


Sl. No	Laboratories	As per the regulatory body requirement	Available
1	Physiology	01	01
2	Biochemistry	01	01
3	Pharmacy	01	01
4	Pathology & Microbiology	01	01

### Clinical Teaching Learning Facilities

#### Anatomy dissection hall

Sl. No	Equipments	As per the regulatory body requirement	Available
1	Dissection table with marble top or stainless steel(6'x1'x2'x3')	04	04
2	Dissection set complete	As required	Available
3	Saw for sectioning body and limb	01	01
4	Storage tank to hold cadavers	As required	02
5	Teaching/ materials like models, chart, diagrams, slides, soft parts, mummified bodies, bones, latest diagram etc.	As required	Available
6	Microscope (Medical)	25	30



  
 Dean / Principal  
 Yenepoya Homoeopathic  
 Medical College & Hospital  
 Karnataka - 575 018

**ATTESTED**  
  
 Dr.Gangadhara Somayaji K.S.  
 Registrar  
 Yenepoya(Deemed to be University)  
 University Road, Deralakatte  
 Mangalore- 575 018, Karnataka

### Physiology laboratory

Sl. No	Equipments	As per the regulatory body requirement	Available
1	Medical Microscope	25	35
2	Equipment for ESR estimation/ Westergren's pipette for ESR on stand	25 (with spare pipettes)	30
3	Haematocrit tubes	30 (with spares)	30
4	Auto Analyzer or Semi Auto Analyzer	01	01
5	Sahli's Haemoglobinometer	25 (with spare)	50
6	Haemocytometer	25 (with spare)	50
7	Sphygmomanometer	25	30
8	Stethoscope	25	30
9	Clinical thermometer (Digital)	25	30
10	Knee hammer	25	30
11	Tuning forks to test hearing (32-10000 hzs)	1 set	1set
12	Stethographs or pneumographs	05	05
13	Electrocardiograph (ECG Machine)	01	01
14	Electronic Stop Watches 1/10 sec.	04	04
15	Glass Distillation (double) apparatus	01	01
16	Centrifuge (Medium speed)	03	03
17	Colorimeter (photo electric)	02	02
18	pH Meter electric	02	02
19	Colour perception lantern (Edridge Green)	01	01
20	Incubator	01	01
21	Perimeter	03	03
22	Spirometer	01	01
23	Tonometer	01	01
24	Handgrip dynamometer	01	01
25	Bicycle Ergometer	01	01
26	Additional Items- Examination table	01	01

### Bio Chemistry laboratory

Sl. No	Equipments	As per the regulatory body requirement	Available
1	Electronic/Monopan Balance	01	01
2	Balance, chemical/ordinary	02	02
3	Water baths	02	02
4	Urinometer	25	30
5	Hydrometer (0.700 to 1.00)	02	02
6	Albuminometers	10	10
7	Glucometer	10	10
8	Thermometer	10	10
9	Colorimeter	01	01
10	Hot air oven 14 x14 x 14 (Electric)	01	01
11	Double Distillation apparatus Glass	01	01
12	Centrifuge, medium speed, electric	01	01



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Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Derlakatte  
Mangaluru 575018

## Homoeopathic Pharmacy

Sl. No	Equipments	As per the regulatory body requirement	Available
1	Pill tiles	25	55
2	Porcelain dishes	25	25
3	Crucibles with tongs	25	25
4	Pestles and mortars (Iron, Glass, Porcelain)	25	25
5	Water bath, metal/electric	25	25
6	Microscope (Student type)	05	05
7	Glass apparatus for filtration with vacuum	02	02
8	Thin layer chromatography apparatus	01	01
9	pH meter	02	02
10	Stop watch	25	25
11	Hydrometer	05	05
12	Alcoholometer	05	05
13	Lactometer	05	05
14	Electric potentiser (for P.G. Course)	02	Not Applicable
15	Electric Triturator (for P.G. Course)	02	01
16	Water Still (Distilled Water Plant)	01	01
17	Percolater	05	05
18	Macerator	05	04
19	Botanical slides	As required	Available
20	Colorimeter (for P.G. Course)	01	Not Applicable
21	Spectro Scope (for P.G. Course)	01	Not Applicable
22	Dissecting Microscope	02	02
23	Distillation Apparatus (Glass)	01 set	01
24	Pyknometer (Specific Gravity Bottle)	02	05
25	Electronic Balance	01	03
26	Hot Air Oven	01	01
27	Chemical Balance	10	10
28	Physical Balance	01	01



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**Dean / Principal**  
 Yenepoya Homoeopathic  
 Medical College & Hospital  
 Karnataka - 575 018

**ATTESTED**  
*(Signature)*  
**Dr. Gangadhara Somayaji K.S.**  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore - 575 018, Karnataka

## Pathology and Microbiology

Sl. No	Equipments	As per the regulatory body requirement	Available
1	Hot air oven (50° C)	01	01
2	Centrifuge Machine electric (Rotofix)	02	02
3	Water Bath (Electric)	04	04
4	Incubator	02	02
5	Haemocytometer with RBC & WBC Pipettes	25	30
6	Haemoglobinometer (Sahli's Type)	25	30
7	Autoclave Electric	02	02
8	Anaerobic apparatus	02	02
9	Stopwatch ( ½ sec)	02	02
10	pH meter	01	01
11	Microscope with oil immersion	25	35
12	High Speed Centrifuge for serological/Hematological work	01	01
13	ESR (Westergren/ wintrobe)	02 sets each	02 sets each
14	Colony Counter	01	01
15	Material for preparation of media	As required	Available
16	Material for preparation of Stain	As required	Available
17	Coplin Jars	02	02



*C. Kummar*

Dean / Principal  
Yenepoya Homoeopathic  
Medical College & Hospital  
Karnataka - 575 018

ATTESTED

*les*

Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

# **Yenepoya Naturopathy and Yogic Science College and Hospital**



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## Equipments, Laboratories and Clinical Teaching Learning Facilities

(As per Under Graduate Degree Program (BNYS) in Naturopathy and Yogic Science Ordinance, 2016)

Infrastructure	Requirement as per regulatory body	Availability
Consultation and Examination	5	5
Administration block	1	1
Reception	1	1
Massage	4	4
Mud therapy	2	2
Hydrotherapy	2	2
Magneto therapy	1	1
Chromotherapy	1	1
Physiotherapy and Electrotherapy	2	2
Kitchen	1	1
Dining		Available for all types of diet
Boiled Diet	1	
Raw Diet	1	
Juice Diet	1	
Yoga Hall	2	2
Kriya Section	2	2
Department Library	1	1
Recreation Hall	1	1
Seminar Hall	1	1
Health Shop	1	1
Laboratory	1	Available
General Wards	15 beds	Available
Special Ward	40 beds	Available
Deluxe Ward	20 beds	Available

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Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
Principal / Dean  
Yenepoya Naturopathy &  
Yogic Science College & Hospital

**Infrastructural requirements for departments**

Sl. No	Department	For 60 beds in sq.ft	Availability
1.	Consultation & examination	5 in nos ( 10x 10 sq.ft)	5
2.	Administrative block	400 sq.ft.	Available
3.	Reception	300 sq.ft.	Available
4.	Massage	4 in nos for male + 4 in nos for female ( 8x6 sq.ft.)	Available
5.	Mud therapy	2 in Nos (15x15 sq.ft.)	Available
6.	Hydrotherapy	2 in Nos (600 sq.ft.)	2
7.	Magneto therapy	1 room (400 sq.ft)	1
8.	Chromo therapy	200 sq.ft.	1
9.	Physiotherapy & Electrotherapy	2 in nos (300 sq.ft.)	Available
10.	Kitchen	600 sq.ft.	Available
11.	Dining	400 sq.ft – BD*, 300 sq.ft- RD* 200 sq.ft – JD*	Available
12.	Yoga Hall	2 in Nos (600 sq.ft)	2
13.	Kriya Section	2 in Nos (20x10 sq.ft)	Available
14.	Department Library	1 room (300 sq.ft)	Available
15.	Recreation hall	10x10 sq.ft	Available
16.	Seminar Hall	300 sq.ft	Available
17.	Health Shop	300 sq.ft	Available
18.	Laboratory	100 sq.ft	Available
19.	Wards- General ward 9x8 Sq feet each bed	General 15 beds and 2 in Nos	In progress
	Special ward 10x10 Sq feet each room Deluxe ward 15x10 Sq feet each room	Special – 40 beds Deluxe-20 beds	In progress
	Cottage 20x 25 Sq feet each bed	Cottage -10 beds	In progress

\*BD – Boiled Diet, RD – Raw Diet, JD- Juice diet

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Principal / Dean  
Yenepoya Naturopathy &  
Yogic Science College & Hospital

**Infrastructural requirements for Non- technical utilities:**

Sl. No	Area	For 60 beds in sq.ft	Availability
1.	Reception	400	Available
2.	Walking track	2Km	Available
3.	Parking area	400 sq.ft	Available
4.	Exercise therapy	300 sq.ft	Available

**Technical infrastructure requirements for departments:**

Sl. No	Equipments	For 60beds in sq.ft (30 male and 30 female)	Availability
1.	Enema	4	4
2.	Hip bath	5x2=10	Available
3.	Spinal bath	2x2=4	4
4.	Steam bath	2	4
5.	Mud bath	2(300 sq.ft)	2
6.	Foot and arm bath	4	4
7.	Massage	4+4	8
8.	Spinal spray	2x2=4	4
9.	Sauna room	2	2
10.	Immersion Bath	2	2
11.	Under water massage	2	2
12.	Whirlpool bath	1	1
13.	IFT	2	2
14.	Muscle stimulator	2	2
15.	Wax bath	2	2
16.	Traction	2	2
17.	Ultrasound	2	Available

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Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

Principal / Dean  
Yenepoya Naturopathy &  
Yogic Science College & Hospital

**LIST OF CHARTS, MODELS AND EQUIPMENTS FOR ANATOMY**

Sl. No	Particulars	Quantity	Availability
1.	AM-7-Brain in 4 parts	1	Available
2.	AM-12- autonomic Nervous system	1	Available
3.	AM-18 Human eye ball	1	Available
4.	AM-52 Pharynx & larynx	1	Available
5.	AM-34 Lungs	1	Available
6.	AM-37 Liver	1	Available
7.	AM-48 digestive system	1	1
8.	AM-50 Circulatory System	1	1
9.	AM-58 Urinary system	1	1
10.	AM 65 Male reproductive System	1	1
11.	AM 66 female reproductive System	1	1
12.	AM71 the skin	1	1
13.	Artery forceps	10	10
14.	B .P Handle and blade	4	4
15.	Mouse teeth forceps	1	1
16.	Scalpel	1	1
17.	Disecting forceps	1	1
18.	Scissors curved	1	1
19.	Dissecting instrument set	1	1
20.	Bone cutting forceps	1	1
21.	Chisels	1	1
22.	Razors	1	1
23.	Amputation saw	1	1
24.	Finger saw	1	1
25.	Retractors	1	1
26.	Female catheters	1	1
27.	Bucher's saw	1	1
28.	Brains knife	1	1
29.	Glass jar	1	1
30.	Skeleton -1 charts	1	1
31.	Nervous system charts	1	1
32.	Arterial system charts	1	1
33.	Venous system charts	1	1
34.	Lymphatic system chart	1	1
35.	Digestive system charts	1	1
36.	Respiratory system charts	1	1
37.	female reproductive System charts	1	1
38.	Male reproductive System charts	1	1
39.	Endocrine system charts	1	1
40.	Structure of heart	1	1

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*[Signature]*

*[Signature]*

AYUSH Campus, Naringana, Deralakatte Post, Mangalore - 575 018. Ph : 84949 35215

Email : officeynymch@yenepoya.edu.in

Yenepoya Deemed to be University  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

Principal / Dean  
Yenepoya Naturopathy &  
Yogic Science College & Hospital


41.	Structure of brain	1	1
42.	Structure of skeleton -11	1	1
43.	Structure of skull	1	1
44.	Structure of eye	1	1
45.	Structure of ear nose and throat	1	1
46.	Structure of skin	1	1
47.	Structure of teeth	1	1
48.	Structure of liver	1	1
49.	Structure of kidney	1	1
50.	Structure of pregnancy and birth	1	1
51.	Structure of Embryo development	1	1
52.	Scissors straight	1	1
53.	Charts on teeth	1	1
54.	Charts on first aid for burns	1	1
55.	Charts on ophthalmology	1	1
56.	Charts on heart	1	1
57.	Charts on eye	1	1
58.	Charts on ear	1	1
59.	Charts on muscles	1	1
60.	Charts on circulation ( endocrine system )	1	1
61.	Charts on skull joints	1	1
62.	Charts on skin sensation	1	1
63.	Charts on nervous system	1	1
64.	Charts on metabolism	1	1
65.	Charts on human skeleton	1	1
66.	Histology slides of hyaline cartilage ( T.S)	1	1
67.	Histology slides cardiac muscles	1	1
68.	Histology slides liver ( T.S)	1	1
69.	Histology slides smooth muscles	1	1
70.	Histology slides adipose tissue	1	1
71.	Dissection set	1	1
72.	Dissection apron	1	1
73.	Rotating stool	15	15
74.	Skeleton ( male) plastic	1	1
75.	Specimen preservative jar	20	20
76.	Bone set ( original) Male	1	1
77.	Bone Set (original) female	1	1
78.	Steel rack 4 steps	5	5
79.	One glass box for keeping skeleton	1	1
80.	Pathological binocular microscope	2	2
81.	Full size human body showing muscles and organ	1	1
82.	Jumbo heart model	1	1

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83.	Stomach model	1	1
84.	Human larynx model	1	1
85.	Model of transport lung segment	1	1
86.	Pulmonary alveoli model	1	1
87.	Ear model	1	1
88.	Nasal cavity	1	1
89.	Male urogenital system	1	1
90.	Female urogenital system	1	1
91.	Pumping heart	1	1
92.	Lymphatic system	1	1
93.	Spinal cord in the spinal canal	1	1
94.	Pathological binocular microscope –BLS-113	1	1
95.	Apron	2	2
96.	Elastic cartilage histology slides	1	1
97.	Fibro cartilage histology slides	1	1
98.	Skeletal muscle	1	1
99.	Spleen	1	1
100	Skin	1	1
101	Tongue	1	1
102	Oesophagus	1	1
103	Jejunum	1	1
104	Duodenum	1	1
105	Ileum	1	1
106	v. appendix	1	1
107	Large intestine	1	1
108	Lung	1	1
109	Ovary	1	1
110	Uterus	1	1
111	Ovary model	1	1
112	Kidney with adrenal gland	1	1
113	Adult male pelvis	1	1
114	Stomach	1	1

**ATTESTED**

  
- Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
Principal / Dean  
Yenepoya Naturopathy &  
Yogic Science College & Hospital

**LIST OF CHARTS, MODELS AND EQUIPMENTS FOR PHYSIOLOGY**

Sl. No	Particulars	Quantity	Availability
1.	Human skeleton	2	2
2.	Human digestive system	1	1
3.	Human nervous system	1	1
4.	Human circulatory system	1	1
5.	Human excretory system	1	1
6.	Human respiratory system	1	1
7.	Human muscular system	1	1
8.	Human ductless (endocrine) gland	1	1
9.	Human lymphatic system	1	1
10.	Human autonomic nervous system	1	1
11.	Human eye	1	1
12.	Human ear	1	1
13.	Human brain, Nervous System	1	1
14.	Human skin, kidney, & excretory system	1	1
15.	Human reproductive system (Male)	1	1
16.	Human reproductive system (Female)	1	1
17.	Human embryo & foetal development	1	1
18.	Human Kidney	1	1
19.	Human teeth	1	1
20.	Human reproduction	1	1
21.	Nose	1	1
22.	Pathological monocular microscope	5	5
23.	Human body : Digestive system	1	1
24.	Human body : circulatory system	1	1
25.	Human body : excretory system	1	1
26.	Human body : nervous system	1	1
27.	Human body : respiratory system	1	1
28.	Human body :skeletal system	1	1
29.	Brain and spinal cord	1	1
30.	Endocrinology part 1	1	1
31.	Endocrinology part 2	1	1
32.	Kidney functions	1	1
33.	Eye an inside story	1	1
34.	Puberty boys	1	1
35.	Puberty girls	1	1
36.	Basic physiology	1	1
37.	Microbiology part 1	1	1
38.	Microbiology part 2	1	1
39.	Hamometer	2	2
40.	Filter paper	2	2

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41.	EDTA solution used 10%	1	1
42.	RBC diluting fluid	1	1
43.	WBC diluting fluid	1	1
44.	Leisbmans stain	1	1
45.	Eosin yellow stain solution	1	1
46.	ESR metal stand	1	1
47.	Anti ABD serum kit	1	1
48.	DM water NICE	1	1
49.	ESR pipette	1	1
50.	E- alcohol	1	1
51.	Sodium citrate 3.8%	2	2
52.	Ammonium oxalate	1	1
53.	Blood laxet	400	Available
54.	Colourimeters	2	2
55.	Electronic balance	1	1
56.	Autoclave	1	1
57.	Scissors medium size	2	2
58.	Slide trays	2	2
59.	Slide draining rack	1	1
60.	Lens cleaning paper	2	2
61.	Soft squeeze stain drop bottle	30	Available
62.	Wash bottles 500ml	4	4
63.	Stainless steel widal racks	10	10
64.	Petri-dishes 90mm	100	100
65.	Felix tubes	25	25
66.	Detrose bottles screw cap type 500 ml	25	25
67.	Pasteuts pipettes	12	12
68.	Tuberculin syringe	2	2
69.	Weighing scale	1	1
70.	Weighing Box	1	1
71.	Fractional weighs	1	1
72.	Cotton rolls	2	2
73.	Sphygmomanometer	1	1
74.	Pen torch	2	2
75.	70% alcohol	500 ml	500 ml
76.	Haemocytometer set	2	2
77.	Haemoglobinometer	2	2
78.	Cover slips	1	1
79.	Glass slides (75mm x 25mm)	1	1
80.	Tourniquet	5	5
81.	Test tube 5ml 10ml	25+25	25 +25
82.	Blood lancet	25	25

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83.	Glass dropper with long nozzle	2	2
84.	Glass capillary tube 10-12cm	2	2
85.	Clean filter paper	2	2
86.	Stethoscope	2	2
87.	Clinical thermometer	2	2
88.	Knee hammer	2	2
89.	Tuning fork	2	2
90.	Test tube stands	2	2
91.	Measuring cylinders 10ml 100ml 250ml	1	1
92.	Beakers 100ml, 250ml, 500ml, 1000ml	2	2
93.	Conical flasks 250ml, 500ml	2	2
94.	Water cycle	1	1
95.	Carbon cycle	1	1
96.	Nitrogen cycle	1	1
97.	Oxygen cycle	1	1
98.	Vitamin	1	1
99.	Parotien meton ( our food 1)	1	1
100.	Formation of ATP	1	1
101.	Cardiac cycle ( heart)	1	1
102.	Blood group	1	1
103.	Sensory pathway	1	1
104.	Motor pathway	1	1
105.	Lymphatic immune system	1	1
106.	Circulatory system	1	1
107.	Blood cells	1	1
108.	Pathological binocular microscope in clinical tube type	2	2
109.	WBC pipette	20	20
110.	RBC pipette	20	20
111.	Inoculation loop	5	5
112.	Dreyers tube	5	5
113.	VDRL slides	5	5
114.	Widal slides	5	5
115.	Methylene blue	250 ml	250 ml
116.	Carbol fuchsin	250 ml	250 ml
117.	Loffler methylene	250 ml	250 ml
118.	Surgical spirit blue	400 ml	400 ml
119.	Iodine solution	500 ml	500 ml
120.	EDTA	250 ml	250 ml
121.	N/10 HCl	500 ml	500 ml
122.	Blood lancet	2	2
123.	Glass cap tubes (10-12cm)	2	2

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*[Signature]*

Principal / Dean

AYUSH Campus, Naringana, Deralakatte Post, Mangalore - 575 018. Ph 84949 35215

Email : officeynmch@yenepoya.edu.in, http://ynhsch.yenepoya.edu.in

Dr. Gangadhara Somayaji K S  
Kerala Ayurvedic University  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

**Yenepoya Naturopathy & Yogic Science College & Hospital**

124	Clean filter paper	2	2
125	Ishihara chart	1	1
126	Haemocytometer set	2	2
127	Turk's fluid 125ml	1	1
128	Hayems fluid 125ml	1	1
129	Western gren's ESR stand	2	2
130	Antisera ABD kit	2	2
131	Adhesive plaster	1	1
132	Surgical spirit	5	5
133	Cotton rolls	4	4
134	Slide tray	1	1
135	Slide draining rack	1	1
136	Blood cell colunter	1	1
137	Stop watch	1	1
138	Anti ABD serum kit	1	1
139	E – alcohol	1	1
140	Blood lancet	400 pieces	400 pieces
141	Spirometer	1	Available
142	ECG	1	Available
143	Spygmomanometer	2	2

ATTESTED

  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

  
Principal / Dean  
Yenepoya Naturopathy &  
Yogic Science College & Hospital

**LIST OF CHARTS, MODELS & EQUIPMENTS FOR BIO CHEMISTRY**

Sl. No	Particulars	Quantity	Availability
1	Determination of Blood sugar kit	1	1
2	Determination of Blood urea kit	1	1
3	Total serum protein kit	1	1
4	Total serum calcium kit	1	1
5	Total serum Bilirubin kit	1	1
6	Test tubes- plastics	200	200
7	Test tube stand	5	5
8	Test tube holders	10	10
9	Haemoglobinometre	1	1
10	Spirit lamps	5	5
11	Test tubes	50	50
12	Micro scope compound	2	2
13	ESR stand	2	2
14	ESR tube	10	10
15	Funnel	5	5
16	Droppers plastic	20	20
17	Gas lighter	1	1
18	Surgical spirit	5	5
19	Measuring jar: 250ml 500ml	2 1	2 1
20	Plastic measuring jar (100ml)	1	1
21	Surgical spirit	5lit	5lit
22	Urino meter (full set)	1	1
23	Test tube (10ml)	50	50
24	Weighing Machine (Electronic)	1	1
25	China dish	5	5
26	Test tube holders	20	20
27	Plastic measuring jar (500ml)	1	1
28	Plastic measuring jar (250ml)	1	1
29	Colorimeter (Electronic)	1	1
30	Boiling water bath (Thermostat)	1	1
31	Pillar (Medium glass)	1	1
32	Measuring cylinder	3	3
33	Microscope slide packet	1	1

ATTESTED

*[Signature]*  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

*[Signature]*  
Principal / Dean  
Yenepoya Naturopathy &  
Yogic Science College & Hospital

**LIST OF CHARTS, MODELS & EQUIPMENTS FOR NATURE CURE DEPARTMENT**

Sl. No	Particulars	Quantity	Availability
1.	Magnetic belts rings	2-2	2-2
2.	Vibro massage special	2	2
3.	Heel exercise	2	2
4.	Finger exercise	2	2
5.	Magnetic knee belt	6	6
6.	High powered magnets	6	6
7.	Lens with light	12	12
8.	Fat analyser multipurpose	1	1

**LIST OF CHARTS, MODELS AND EQUIPMENTS FOR YOGA PRACTICAL**

Sl. No	Particulars	Quantity	Availability
1.	Loomed carpets 6"x3"	30	30
2.	Om meditation box	2	2

Note- BNYS program started in the academic year 2020-21

**ATTESTED**

*[Signature]*  
- Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

*[Signature]*

**Principal / Dean**  
**Yenepoya Naturopathy &**  
**Yogic Science College & Hospital**