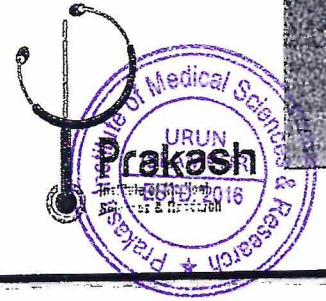


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List of EQUIPMENT Department of Anatomy

(A)	NAME OF THE ITEMS Quantity may be procured at the discretion of the department as per required
1	Table with marble or stainless steel top with minimum size of 6' x 2' x 3'
2	Table with marble or stainless steel top half standard size
3	Drill machine
4	Hand saw, preferably metal
5	Band saw for sectioning body and limbs
6	Stools, preferable metal
7	Brain knife
8	Mortuary cooler with arrangement to keep at least 8 bodies or suitable alternative arrangement
9	Storage tank to hold cadavers, static/movable, durable tank with input and output facility with lid
10	Plastic tanks for storing soft and dissected parts
11	Trolley Table (Steel)
12	Multimedia Projector with screen
13	Movie camera with projection screen
14	Computer with internet connection & Video CD Library
15	X-ray view box
16	X-ray plates /MRI/CT scan/USG
17	Charts, Diagram, Models, Slides ect.
18	Dissecting instruments.
19	Meat cutting machine for thin body sections (trans and vertical) for gross anatomy sectional study
20	Steel Tray (big & small)
21	Cadavers
22	Embalming Machine
(B) Histology	
23	Microscopes
24	Dissection microscope
25	Microtomes, rotary
26	Microtomes, Sledge, large cutting
27	Cabinet for slides (1000)
28	Incubators
29	Paraffin embedding bath
30	Hot plates for flattening sections

• Founder •

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31	Hot air Oven for drying slides (450°C)
32	Refrigerator (minimum 165 L.)
33	Diamond Pencils
(C) Museum	
34	Articulated Skeleton set
35	Disarticulated Bone set
36	Wet specimen jar (Glass)
37	Steel Racks
38	Desktop Computer / Laptop with printer scanner copier facility



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Nishikant Bhosale-Patil (Dada)

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List of EQUIPMENT Department of Physiology



S.No.	NAME OF THE ITEMS Quantity may be procured at the discretion of the department as per required
1.	Microscopes, oil immersion
2.	Demonstration eye piece
3.	Double demonstration eye piece
4.	Stage incubator
5.	Westergren's pipette for E.S.R. on stand(with space pipette)
6.	Wintrobe's pipette for ESR and PCV with stand
7.	Hemoglobin-meter Sahli's or Hellige (with spaces)
8.	Hemocytometer
9.	Thermometers, balances, microslides and glassware
10.	Multi-channel Physiograph, 3 channels complete with accessories
11.	Centrifuge, high speed with techno meter
12.	Colorimeter, photoelectric
13.	pH meter electric
14.	Digital Physiograph
15.	Digital perimeter
16.	Sphygmomanometer (digital) (Mercury based instruments to be replaced with suitable alternatives)
17.	Stethoscopes
18.	Stethoscopes, demonstration with multiple ear pieces
19.	Polygraphs
20.	Spirometer, ordinary
21.	Digital spirometer
22.	Mossos Ergograph
23.	Clinical Thermometer
24.	Compass aesthesiometer
25.	Thermo aesthesiometer
26.	Algometer
27.	Knee hammer
28.	Stethograph
29.	Bicycle Ergometer
30.	Olfactometer
31.	Ophthalmoscope

Founder

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32	Schematic eye
33	Color perception
34	Dynamometer
35	Otoscope
36	Stop watch
37	Digital ECG machine
38	Yoga mat
39	Tuning fork to test hearing 32-10000cps (100,256,512Hz)
40	Van Slyke's apparatus manometric (Desirable)
41	Venous pressure apparatus (Desirable)
42	Douglas bag, complete (Desirable)
43	Perimeter Pristely Smith S/LP.984 B & T
44	Basal metabolism apparatus (Desirable)
45	Apparatus for passive movement (Desirable)
46	Phakoscope (Desirable)
47	Perimeter with charts (Liters) (Desirable)
48	Maddox rod (Desirable)
49	Newtons color wheel (Desirable)
50	Student physiograph, (single channel) with accessories (Desirable)
51	Gas analyser automatic for CO ₂ , O ₂ , N ₂ (Desirable)
52	Sherrington Starling kymograph (electrically driven) complete assembly
53	Electromagnetic time marker
54	Myograph stand
55	Electronic stimulator
56	Tuning fork time marker 100/sec
57	Electrodes
58	Spirit lamps
59	Marey's tambour
60	Softwares to demonstrate amphibian & mammalian experiments (Desirable)
61	Low voltage unit for tapping 2 and 4 volts for stimulation
General	
62	Centrifuge, high speed with techno meter etc.
63	Refrigerator, 9 - 10c ft.
64	Water distillation Still, with spare heating elements
65	All glass distillation apparatus double stage
66	voltage stabilizer
67	Stepdown transformers

R. K. Garambelle
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 Nishikant Bhosale - Pooji (Bodd)

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It Tamasoma Jyotirgamaya II



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List of EQUIPMENT Department of Biochemistry



Sr. No.	NAME OF THE ITEMS Quantity may be procured at the discretion of the department as per requirement
1.	Analytical Balance :up to 200g/1gm increment
2.	Urinometers calibrated (Mercury based instruments to be replaced with other alternatives)
3.	Hot air oven (More than 200 litres)
4.	Digital Colorimeters
5.	Student Microscopes
6.	Glucometer with strips (For POCT)
7.	Thermometer 0 – 250 degree Celsius
8.	Semi autoanalyser
9.	Boiling Water baths
10.	Constant temperature water bath Tank Capacity:(Temperature range 5 to 80 degree Celsius)
11.	Centrifuge clinical for ≥ 8 tubes
12.	pH meters of wide range digital
13.	Fixed volume pipettes -- 1ml,0.5ml,0.2ml,0.1ml and 0.02ml
14.	Bottle dispensers
15.	Variable and fixed volume micro auto pipettes
16.	Vacutainer Tube
17.	PCR Machine (either in the institution or elsewhere on a visit)
18.	ABG Machine
19.	Autoanalyzer (either in the institution or elsewhere on a visit)
20.	Complete Chromatographic Unit for paper & TLC (either in the institution or elsewhere on a visit)
21.	Complete Electrophoresis apparatus with power supply (Paper, PAGE, agarose) (either in the institution or elsewhere on a visit)
22.	Densitometer with computer
23.	Vortex mixers
24.	Incubator 37°C
25.	Fume cupboard
26.	Digital Analytical Balance
27.	Balance Micro
28.	Spectrophotometer
29.	PCR Machine (either in the institution or elsewhere on a visit)
30.	ELISA Reader and washer
31.	Urine strips for Glucose and Protein
32.	ISE analyzer
33.	Refrigerators (Minimum 400 ltr. Capacity)

RR Karambelli
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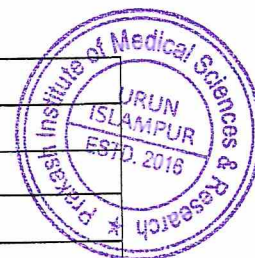
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List of EQUIPMENT Department of Pathology (for Demonstration)

I	Cytopathology section
1.	Cytospin
2.	Auto stainer
3.	Facilities for liquid based cytology
II	Hematology section
1.	Electrophoresis apparatus
2.	HPLC
3.	Flow cytometer - Desirable
III	IHC
1.	Immuno fluorescence Microscope
IV	Molecular Diagnostic
1.	Conventional PCR
2.	Real time PCR



A) Clinical Laboratory :

Sr. No.	NAME OF THE ITEMS
(A)	Quantity may be procured at the discretion of the department as per requirement
	General
I	Histopathology / Cytopathology for Students
1.	For Students - LED Binocular with Scanner, 10X, 40X & Oil immersion lenses and inbuilt battery backup power source
II	Hematology for Students
2.	Stop watch reading at 1/5 second.
3.	Haemo-cytometers with red and white popettes
4.	Staining jars for slides.
III	Clinical Pathology for Students
1.	Urinometers (Mercury based instruments to be replaced with other alternatives)
2.	Centrifuge tubes graduated.
3.	Graduated cylinders for various capacities ranging from 100 cc to 1000 cc. (For Students)
4.	Pipettes of various sizes with disposal tips. (For Students)
5.	Reagent bottles (For Students)
6.	Dropping bottles (For Students)
7.	Reagents (For Students)
	(B) Morbid Histology and Morbid Anatomy
1.	Manual Rotary Microtome
2.	Automated Rotary Microtome
3.	Cryostat
4.	Hot plate

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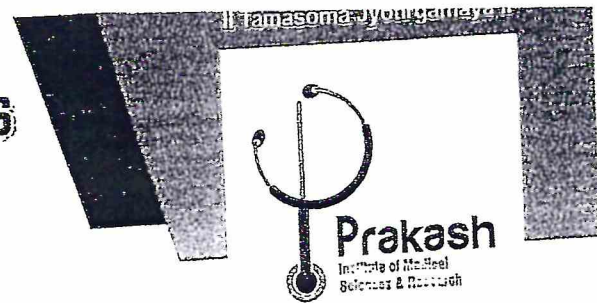
5.	Paraffin embedding bath
6.	Heated Paraffin Embedding Module
7.	Cold Plate for Modular Tissue Embedding System
8.	Automated Tissue Processor –Histokinette
9.	Autoclave
10.	Ultrapure water solutions - Distilled water plant
11.	Water bath
12.	Centrifuge machine
13.	Digital SLR at least 20 megapixel with micro, macro, wideangle zoom lenses, Flash and other accessories
14.	Digital Automatic camera > 5 megapixel
15.	Fully Automated high throughput Multi-Stainer Workstation
16.	Fully Automated Embedding System (Heated embedding module & cold plate)
17.	Fully Automated Flexible Coverslipping Workstation
18.	Standalone paraffin dispensing module cold plate holding more than 100 cassettes
19.	Stand-alone cold plate
20.	Single Pan Digital Balance, Chemical
21.	Balance, chemical with weights
22.	Microscopes
23.	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.
24.	Fully Automated Immuno-histo-chemistry Setup with Continuous supply of Important Antibodies, Lymphoma Panel etc.(for Post Graduate Training)
(C) Hematology Lab: for demonstration	
25.	Five part Fully Automated Cell Counter
26.	Three Part Fully Automated Cell Counter
27.	Coagulometer (Fully automated)



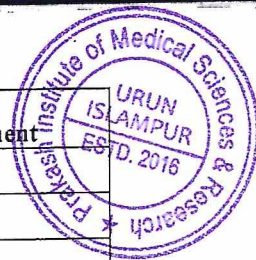

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List of EQUIPMENT Department of Microbiology

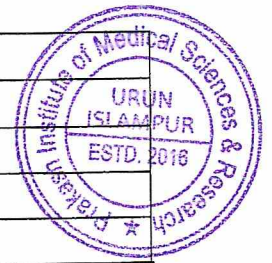


Sr. No.	NAME OF THE ITEMS
Quantity may be procured at the discretion of the department as per requirement	
(A)	
1.	Microscopes (Specified as in Pathology)
2.	Culture Plates/ Petri Dishes
3.	Glass wares including Pasteur Pipettes
4.	Facility for heating slides
(B) General	
5.	Anaerobic apparatus
6.	Autoclave
7.	Balance Electronic Digital
8.	Biosafety Cabinet Type - 2A
9.	BOD Incubator
10.	Centrifuge
11.	CO2 Incubator/Candle Jar
12.	Computer Unit
13.	Deep Freeze -20° C & Deep Freezer
14.	Distilled water Plant
15.	Elisa Reader with Washer
16.	Hot Air Oven
17.	Incubator
18.	Lab Refrigerator (minimum 400 litres)
19.	Laminar flow
20.	Micrometer eye pieces
21.	Micrometer stage
22.	Microscope Binocular
23.	Microscope with universal condenser containing oilimmersion, Bright field, Phase Contrast & Dark ground
24.	pH determination apparatus
25.	Serum inspissators
26.	VDRL shaker
27.	Vortex Mixer
28.	Water bath with variable temperature
29.	Oil-immersion lens for student microscope
30.	Automated Blood Culture System
31.	Colony Counter
(C) Consumables for Culture and Serological Diagnosis	

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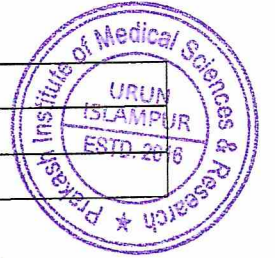
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32.	Antibiotic Discs for Antibiotic susceptibility testing
33.	Antibiotic zone scale
34.	Antisera-Salmonella
35.	Antisera- <i>Shigelladysenteriae</i>
36.	Antisera- <i>Shigella flexneri</i>
37.	Antisera- <i>Shigella sonnei</i>
38.	Antisera- <i>Vibrio cholerae</i>
39.	ATCC strain - <i>Enterococcus faecalis</i> 29213
40.	ATCC strain - <i>E.coli</i> 25922
41.	ATCC strain - <i>E.coli</i> 35218
42.	ATCC strain - <i>Pseudomonas aeruginosa</i> 27853
43.	ATCC strain - <i>Staphylococcus aureus</i> 25923
44.	ATCC strain - <i>Staphylococcus aureus</i> 29213
45.	Bottles for blood culture
46.	Micropipettes – Multi channel & Single channel
47.	Digital Thermometers of different temperatures
(D) BSL 2 Lab	
48.	-80°C deep freezer with UPS
49.	Real-time PCR machine calibrated for the fluorophore dyes with UPS (2 nos., 2KVA each, with 2 hours back-up)
50.	Microcentrifuge / Refrigerated Centrifuge
51.	(a) Personal protective equipment (PPE) (b) Viral Transport Medium (VTM) (c) All other consumables and kits as required for Virology studies.
52.	Magnifying glass with metal handle
53.	Metal Mincing Machine
54.	Postmortem instrument sets complete
55.	Suction pumps
56.	Filtering apparatus Seitz
57.	Filter and Millipore Filter - each
58.	Desiccators
59.	Vacuum Desiccators
60.	Apron plastic for postmortem
61.	Apron rubber for postmortem
62.	Lyophilizer
63.	Thermal Cycler
64.	U.V. Trans illuminator with photography
65.	Colony counter
66.	Cold room + 4 degree Celsius
67.	BACTEC system
68.	Phase contrast Microscope
69.	Vortex Mixer
70.	Electronic Balance

71.	Microfuge
72.	Ultra Centrifuge
73.	Flourescent Microscope

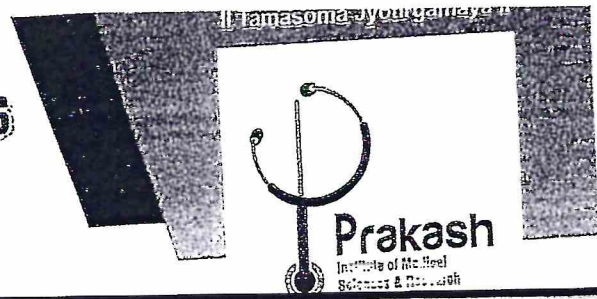


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List of EQUIPMENT Department of Pharmacology

Sr. No.	NAME OF THE ITEMS
Quantity may be procured at the discretion of the department as per requirement	
(A) Clinical Pharmacology Lab	
1.	Special Drug Delivery systems like Metered Dose Inhalers, Spacers, Nasal sprays, Transdermal patches, Insulin pen etc.
2.	Samples of various important drug formulations including rational and irrational FDC, Essential medicines
3.	Simulation models for demonstration of routes of administration i.e. various injection (iv, im, sc, Intracardiac) enema vaginal pessary insertion and other routes of drug administration. Modules for communication competencies e.g. modules with recorded videos of role play.
(B) Computer Assisted Learning Lab	
4.	Must have computers with standard configuration and connected to the internet, (Preferably broadband) along with AV aids including multimedia projector and screen / LED screen). The computers to have computer assisted teaching - learning and assessment material e.g. National list of Essential Medicines, Standard Treatment Guidelines, Banned Drugs List of the CDSCO, Hospital formulary, Animations / videos of mechanism of action of clinically useful drugs in human, adverse drug reactions forms photograph of ADRs, Drug Promotional Literature, OSCE/OSPE station material and self-assessment modules, E-prescription, Digital cases, and case videos (optional)



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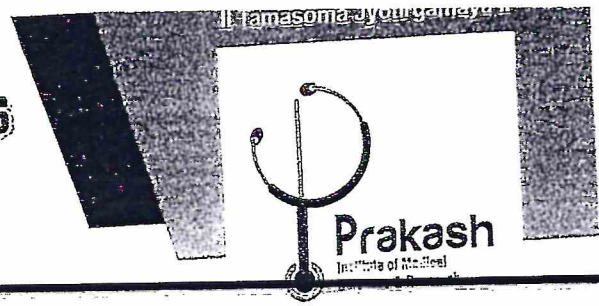
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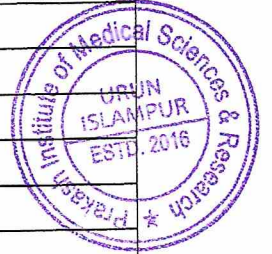
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List of EQUIPMENT Department of Forensic Medicine & Toxicology

Sr. No.	NAME OF THE ITEMS
	Quantity may be procured at the discretion of the department as per requirement
1	Anthropometric Set including
	A) Folding Metal Rod Upto 7 Ft
	B) Osteometric Board
	C) Craniometer
	D) Mandibulometer
	E) Goniometer
	F) Vernier Calipers
	G) Equipment for Reporting Height
	H) Weighing Machine Dial Type Human
2	Digital pH Meter
3	Digital Spectrophotometer
4	Chemical Balance
5	Distillation Plant
6	Refrigerator
7	Centrifuge
8	Slide Warming Table
9	Hot Plate
10	Spectroscopic Lens With Adjustable Slit
11	Dissection Set Complete
12	Digital BP Instrument
13	Stethoscope
Medico legal work	
14	Cold Storage For Dead Bodies
15	Weighing Machine For Dead Bodies
16	Autopsy Tables
17	Stryker Type Autopsy Saw With Accessories
18	Weighing Machine For Organs
19	Weighing Machine For Fetus
20	Dissection Set Complete
21	Brain Knife
22	Hack Saw
23	Rib Shear Left & Right
24	Measuring Tape(Steel Tape Roll)
25	Magnifying Lens
26	X- Ray View Box (4 In 1)
27	Tooth Extractor L&R



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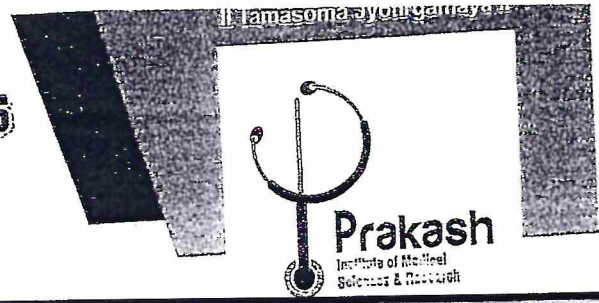
28	Hand Set Heat Sealer
29	Instrument Trolley
30	Rectal Thermometer
31	Portable X-ray Machine (can be shared with Radiology Department)



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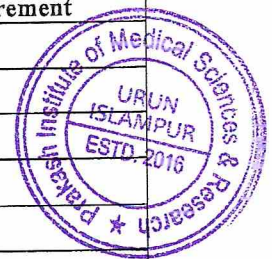
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List of EQUIPMENT Department of Community Medicine

Sr. No.	NAME OF THE ITEMS Quantity may be procured at the discretion of the department as per requirement
1	Hydrometer, milk
2	Incubator, electric (can be procured from Microbiology)
3	Balance for weighing food stuff (Capacity 2 Kg).
4	Centrifuge clinical
5	Weighing machine adult
6	Baby weighing machine
7	Salters Baby weighing machine
8	Harpender Calipers (for skinfold thickness)
9	Height measuring stand
10	Refrigerator 9 cu.ft.
11	Ice Lined Refrigerator (I.L.R.) (at Health Centre)
12	Smart TV
13	Vehicles for transport of students/interns/faculty/paramedical staff to the RHTC and UHTC
14	Multimedia Projector with Screen
15	Public Address system (2 portable for field based activities and one each for RHTC & UHTC)
16	Chloroscope
17	Horrock's Apparatus
18	MUAC tapes
19	Haemoglobinometer
20	BP Apparatus (Digital)
21	Stethoscope
22	Sound level meter
23	Water sampling bottle from any depth
24	Needle Shredder
25	Vaccine carrier
26	Craft water testing kit
27	Treatment kits as per national health programs
28	Iodine testing kit
29	Glucometer
30	Mosquito catching kit
31	Clinical Thermometer
32	First Aid Kit
33	Otoscope



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