



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A Deemed to be University Declared under Section 3 of UGC Act, 1956)

Comprising Sri Devaraj Urs Medical College

[Constituent Unit of Sri Devaraj Urs Educational Trust for Backward Classes (Regd.)]

TAMAKA, KOLAR-563103, KARNATAKA, INDIA

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



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

SRI DEVARAJ URS MEDICAL COLLEGE

Tamaka, Kolar

Department of Physiology

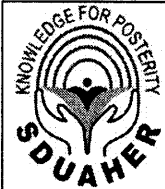


### List of Equipment's

Sl. No.	NAME OF THE ITEMS
1.	Aneroid Sphygmomanometer
2.	Stethoscopes
3.	Stethoscopes, demonstration with multiple ear pieces
4.	Double demonstration eye piece
5.	Compass aesthesiometer (Weber's Compass)
6.	Thermo-aesthesiometer
7.	Knee hammer
8.	Tuning fork to test hearing 32-10000 cps(sets-128,100, 256, 512 hz)
9.	Hair Aesthesiometer
10.	B.P.Apparatus LED
11.	Microscopes, oil immersion
12.	Westergren's pipette for E.S.R. on stand
13.	Wintrobe's pipetter for PCV with stand
14.	Hemoglobin-meter Sahli's
15.	Hemocytometer
16.	Clinical thermometer
17.	Centrifuge
18.	Stop watch
19.	Algometer
20.	Ophthalmoscope

**9. RADIO-DIAGNOSIS (New List)**

S.No.	NAME OF THE ITEMS	No. Required	Availability yes/no	Numbers available	Newly added
1	Static X-ray units (DIGITAL )	3 (at least 2 .> 500 mA)	yes	4	-
2	IITV facilities 600 mA , 500mA	Available	yes	3	-
3.	CR System	Available	Yes	2	-
4	Mobile X-ray units . 60 mA, 120mA	2	Yes	6	
5	Ultrasonography equipment and color Doppler (Additional unit independently for OBGY).	3	yes	3	-
6	CT (scan machine (> 16 slice )	1	yes	1	-
7	MRI (desirable for annual intake of 150 or less , mandatory)	1	yes	1	-
8	For annual intakes of 200 and above	-	-	-	1

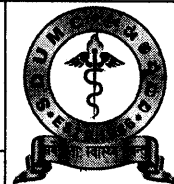


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21.	Sphygmomanometer Digital
22.	Marey's tambour
23.	Perimeter Pristely Smith S/LP.984 B & T
24.	Spirometer, ordinary / Inco Spirometer corrugated rubber tubes
25.	Mosso's Ergograph
26.	Stethograph
27.	Dynamometer ( Hand Grip)
28.	Digital Physiograph / Multi-channel Physiograph, 3 channels, complete with accessories
29.	Peak flow meter
30.	Newtons color wheel
31.	Spirometer (Computerized)
32.	Basal metabolism apparatus
33.	Myograph stand
34.	ECG Machine

*A. Jagadamba*

**Prof & HOD**  
Professor & HOD

Department of Physiology  
Sri Devaraj Urs Medical College  
Tamaka, Kolar-563103



## **R.L. JALAPPA COLLEGE OF PHARMACY**

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH**

(A Deemed to be University Declared under Section 3 of UGC Act 1958)

Tamaka, Kolar 563103, Karnataka, India E mail [rljcop@sduaher.ac.in](mailto:rljcop@sduaher.ac.in)

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

Students participate in clinical laboratories, and pharmacy practice labs, as part of their practical curriculum. The institution also has well-equipped laboratories (Pharmacology, Pharmaceutics, Pharmaceutical Chemistry, and Pharmacognosy), all compliant with Pharmacy Council of India-prescribed equipment lists. Simulated skill labs, ICT-enabled classrooms enhance the effectiveness of theory-based learning.

Principal

**PRINCIPAL**  
**RL. JALAPPA COLLEGE OF PHARMACY**  
**SDUAHER, TAMAKA, KOLAR**



# R.L. JALAPPA COLLEGE OF PHARMACY

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH**

(A Deemed to be University Declared under Section 3 of UGC Act 1958)

Tamaka, Kolar 563103, Karnataka, India E mail [rljcop@sduaher.ac.in](mailto:rljcop@sduaher.ac.in)



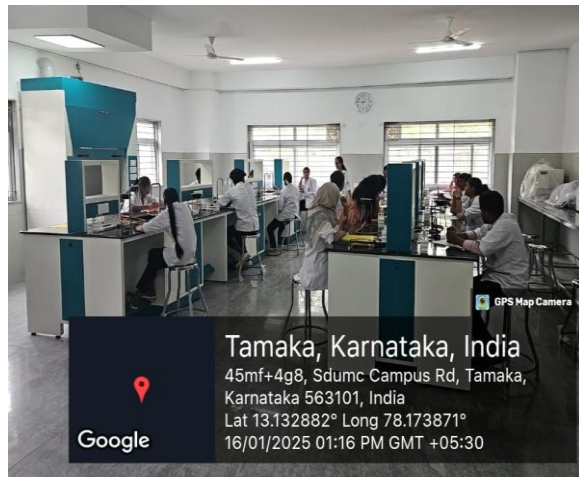
Pharmaceutics lab



Human Anatomy and Physiology lab



Pharmacognosy lab





Pharmaceutical Chemistry lab



Classrooms equipped with modern teaching aids including ICT-enabled smart board

  
Principal

**PRINCIPAL**  
**RL. JALAPPA COLLEGE OF PHARMACY**  
**SDUAHER, TAMAKA, KOLAR**

	<b>SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION &amp; RESEARCH</b>  <b>SRI DEVARAJ URS MEDICAL COLLEGE</b> <b>Tamaka, Kolar</b>	
	<b>Department Of Ophthalmology</b>	


**Newly added instruments June 2024 - May 2025**

SL No.	Machine	Cost	Purpose	Uses
1	Optical Coherence Tomography Angiography	4,985,000	Advanced patient care + research	Helps to noninvasively visualize retinal and choroidal blood vessels in high detail. It aids in diagnosing and monitoring diseases like DR , age-related macular degeneration, and glaucoma.
2	IOL master 700	3,625,000	Patient care	Used to accurately measure eye dimensions for calculating intraocular lens power before cataract surgery.
3	Upgradation of HFA Cable	102,882	Patient care+ research	Used to assess and monitor visual field defects, particularly in glaucoma diagnosis and management.
4	Nd yag laser	1,920,000	Patient care	Used to treat posterior capsule opacification after cataract surgery and to perform peripheral iridotomy in angle-closure glaucoma.

The Department has started functioning in the renovated OT.

*A Navane*  
**NAAE IV IN CHARGE**

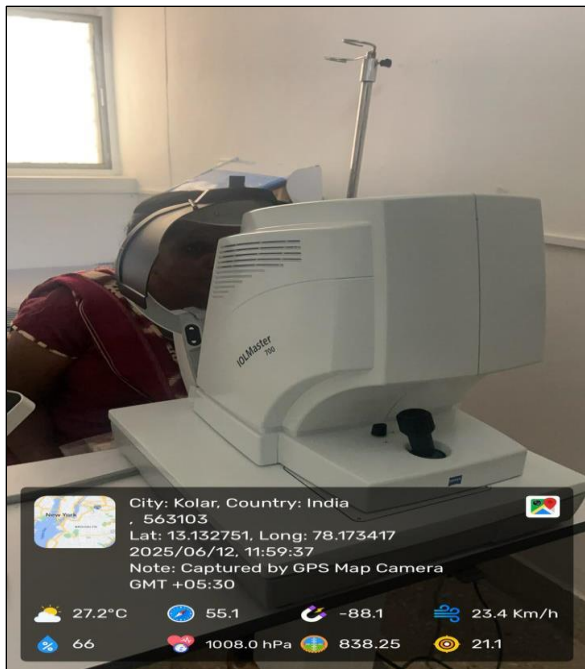
Assistant Professor  
 Department of Ophthalmology  
 Sri Devaraj Urs Medical College  
 Tamaka, Kolar-563 101

  
**Professor & HOD**  
 Department of Ophthalmology  
 Sri Devaraj Urs Medical College  
 Tamaka, Kolar - 563 101

## 1. Optical Coherence Tomography Angiography



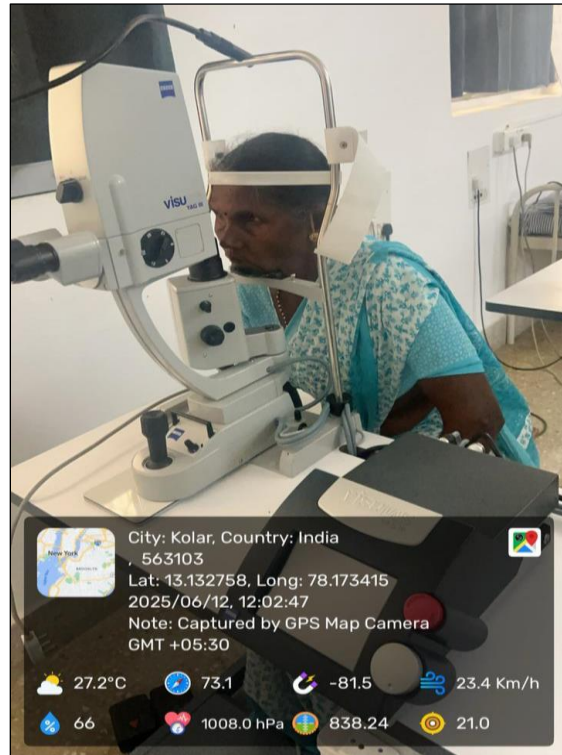
## 2. IOL Master 700



### 3. HFA Cable



### 4. Nd yag laser Machine



# INVOICE

**Sri Devaraj Urs Academy of Higher Education & Research**  
 Comprising Sri Devaraj Urs Medical College  
 Post Box No.62, Tamaka, Kolar-563 103, Karnataka, India  
 Email: registrar@sduu.ac.in/office@sduu.ac.in -www.sduu.ac.in

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**GOODS RECEIPT NOTE**

Warehouse : Hospital Store Inward      GRN NO: GRN/10/28-04-2025  
 GRN Date: 28/04/2025

Institute Name : SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH  
 Department : Ophthalmology  
 Supplier : CARL ZEISS INDIA ( BANGALORE ) PVT. LTD.  
 PO No : SDUAHER/PO-3076/2024-2025      PO Date : 18/03/2025  
 Challan No :      Challan Date : 23/04/2025  
 Invoice No : DO2925008509      Invoice Date : 22/04/2025

Mode of Transport :		Mode of Trans		Challan Qty	Actual Receipt	Acc. Qty	PO Rate	Unit	GRN Value	Reason For Rejection
Sr No	Name	PR No	PO No	1.00	1.00	1.00	3625000.00	Nos	3625000.00	
1	CARL ZEISS IOL MASTER 700		SDUAHER/PO-3076/2024-2025	<b>TOTAL : 3,625,000.00</b>						

REASON FOR REJECTION :-

NAME	RECEIVED BY	INSPECTED BY	APPROVED AND RECEIVED BY.
SIGNATURE	<i>Nogiy 4/1/25</i> <b>STORE KEEPER</b> *RLJ HOSPITAL* TAMAKA, KOLAR	<i>Shanmug</i> <b>Bio Medical Engineer</b> R.L.J. Hospital & Research Centre Tamaka, KOLAR-563 101	<i>[Signature]</i> <b>Professor &amp; HOD</b> Department of Ophthalmology Sri Devaraj Urs Medical College Tamaka, Kolar - 563 101
DATE			

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**GOODS RECEIPT NOTE**

Warehouse : Hospital Store Inward      GRN NO: GRN/11/28-04-2025  
 GRN Date: 28/04/2025

Institute Name : SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH  
 Department : Ophthalmology  
 Supplier : CARL ZEISS INDIA ( BANGALORE ) PVT. LTD.  
 PO No : SDUAHER/PO-3075/2024-2025      PO Date : 18/03/2025  
 Challan No :      Challan Date : 23/04/2025  
 Invoice No : DO2925008510      Invoice Date : 22/04/2025

Mode of Transport :		Mode of Trans		Challan Qty	Actual Receipt	Acc. Qty	PO Rate	Unit	GRN Value	Reason For Rejection
Sr No	Name	PR No	PO No	1.00	1.00	1.00	4985000.00	Nos	4985000.00	
1	CIRRUS 5000 ANGIOPLEX INSTRUMENT <i>(CTA)</i>		SDUAHER/PO-3075/2024-2025	<b>TOTAL : 4,985,000.00</b>						

REASON FOR REJECTION :-

NAME	RECEIVED BY	INSPECTED BY	APPROVED AND RECEIVED BY.
SIGNATURE	<i>Nogiy 4/1/25</i> <b>STORE KEEPER</b> *RLJ HOSPITAL* TAMAKA, KOLAR	<i>Shanmug</i> <b>Bio Medical Engineer</b> R.L.J. Hospital & Research Centre Tamaka, KOLAR-563 101	<i>[Signature]</i> <b>Professor &amp; HOD</b> Department of Ophthalmology Sri Devaraj Urs Medical College Tamaka, Kolar - 563 101
DATE			

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**GOODS RECEIPT NOTE**

Warehouse :	Hospital Store Inward	GRN NO	GRN/4/19-12-2024							
		GRN Date	19/12/2024							
Institute Name :	SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH									
Department :	Ophthalmology									
Supplier :	CARL ZEISS INDIA ( BANGALORE ) PVT. LTD.									
PO No :	SDUAHER/PO-1398/2024-2025	PO Date :	13/06/2024							
Challan No :		Challan Date :	19/12/2024							
Invoice No :	DO2924009000	Invoice Date :	07/11/2024							
Mode of Transport :	Mode of Trans									
Sr No	Name	PR No	PO No	Challan Qty	Actual Receipt	Acc. Qty	PO Rate	Unit	GRN Value	Reason For Rejection
1	ASSY CBL SC PATIENT SUPT PCB - HFA MACHINE		SDUAHER/PO-1398/2024-2025	1.00	1.00	1.00	17222.40	Nos	20322.44	
2	ASSY CBL HFA3 MINI-ITX HARNESS - HFA MACHINE		SDUAHER/PO-1398/2024-2025	1.00	1.00	1.00	69966.00	Nos	62559.88	
<b>TOTAL :</b>									<b>102,882.32</b>	

REASON FOR REJECTION :-

	RECEIVED BY	INSPECTED BY	APPROVED AND RECEIVED BY.
NAME	<i>[Signature]</i> 19.12.24 <b>STORE KEEPER</b> *RLJ HOSPITAL* TAMAKA, KOLAR	<i>[Signature]</i> <b>Bio-Medical Engineer</b> R.L.J. Hospital & Research Centre Tamaka, KOLAR-563 101	<i>[Signature]</i> <b>Professor &amp; HOD</b> Department of Ophthalmology Sri Devaraj Urs Medical College, Tamaka, Kolar - 563 101

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**GOODS RECEIPT NOTE**

Warehouse :	Hospital Store Inward	GRN NO	GRN/9/28-04-2025							
		GRN Date	28/04/2025							
Institute Name :	SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH									
Department :	Ophthalmology									
Supplier :	CARL ZEISS INDIA ( BANGALORE ) PVT. LTD.									
PO No :	SDUAHER/PO-3077/2024-2025	PO Date :	16/03/2025							
Challan No :		Challan Date :	23/04/2025							
Invoice No :	DO2925008512	Invoice Date :	23/04/2025							
Mode of Transport :	Mode of Trans									
Sr No	Name	PR No	PO No	Challan Qty	Actual Receipt	Acc. Qty	PO Rate	Unit	GRN Value	Reason For Rejection
1	CARL ZEISS VISULAS YAG III		SDUAHER/PO-3077/2024-2025	1.00	1.00	1.00	1920000.00	Nos	1920000.00	
<b>TOTAL :</b>									<b>1,920,000.00</b>	

REASON FOR REJECTION :-

	RECEIVED BY	INSPECTED BY	APPROVED AND RECEIVED BY.
NAME	<i>[Signature]</i> <b>STORE KEEPER</b> *RLJ HOSPITAL* TAMAKA, KOLAR	<i>[Signature]</i> <b>Bio-Medical Engineer</b> R.L.J. Hospital & Research Centre Tamaka, KOLAR-563 101	<i>[Signature]</i> <b>Professor &amp; HOD</b> Department of Ophthalmology Sri Devaraj Urs Medical College, Tamaka, Kolar - 563 101

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

	teaching clinical skills.		
(B)	Ward		✓
27	Four sets consisting of the instruments required in the OPD should be kept in the ward for teaching purposes and for examination time.	As mentioned	✓
28	One mobile spotlight, One Tracheostomy set should be placed in the ward.	As mentioned	✓
29	The ward side room/emergency treatment room should have a mobile spotlight.	As mentioned	✓
(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	✓
31	Boyle-Davis mouth gag with difference size blades	1	✓
32	Tonsil holding forceps	1	✓
33	Tonsil dissector and pillar retractor	1	✓
34	Waugh's tenaculum forceps: plain and tooth	2	✓
35	Tonsil snare	1	✓
36	Burkit artery forceps	1	✓
37	Wilson's double curved artery forceps	1	✓
38	Negus artery forceps	1	✓
39	Tonsil scissors	1	✓
40	Adenotome	1 (optional)	✓
41	Adenoid curette with and without cage	2	✓
42	Yankaueroropharyngeal suction (disposable)	1	✓
	<b>(B) SET FOR NASAL BONE FRACTURE</b>		✓
43	Asch forceps	1	✓
44	Walsham forceps	1	✓
45	St.Vlair Thompson Nasal Speculum	1	✓
46	Killian Long bladed Nasal speculum	1	✓
A. D	<b>B. SEPTOPLASTY SET</b>		✓
47	Nasal dressing forceps	1	✓
48	Knife handle	1	✓
49	Killian's nasal speculum	1	✓
50	Freer elevator	1	✓
51	Howarth elevator	1	✓
52	Cottle elevator	1	✓
53	Sickle knife	1	✓

54	Ballenger's swivel knife	1 (optional)	✓
55	Luc tissue cutting forceps	1	✓
56	Takahashi forceps	1	✓
57	Fish tail (bayonet shape) gouge	2	✓
58	Nasal mallet	1	✓
	<b>(D) FESS SET</b>		✓
59	Rigid nasal endoscope 0 degree, 4 mm and 2.7 mm size	1 each	✓
60	Rigid nasal endoscope 30 degree, 4 mm and 2.7 mm size	1 each	✓
61	Light source and light cable	1	✓
62	Endoscopic Camera with suitable display with recording & archiving facility. (with High Definition Camera)	1	✓
63	Sickle knife	1	✓
64	Retrograde punch	1	✓
65	Blakesley forceps – straight 1 and upturned	1	✓
66	Nasal suction cannula different sizes	4	✓
67	Double curved suction cannula different sizes	4	✓
68	Sinus probe and curette	1	✓
69	Lacrimal probes for endoscopic DCR (optional)	1	✓
70	General Fess Instruments	1	✓
	<b>(E) DIRECT LARYNGOSCOPY SET</b>		✓
71	Anterior commissure laryngoscope for adult and pediatric sizes	2	✓
72	Laryngoscope for adult and pediatric sizes	2	✓
73	Negus laryngoscope	2 (optional)	✓
74	Light source	1	✓
75	Light cable	1	✓
76	Biopsy forceps	2	✓
77	Foreign body removal forceps	2	✓
78	Laryngeal suction	2	✓
	<b>(G) MICROLARYNGOSCOPY SET</b>		✓
79	Kleinsasser's laryngoscope	2	✓
80	Fibreoptic lighting system	2	✓
81	Suspension system for Laryngoscope	2	✓
82	Microlaryngeal cup forceps	2	✓
83	Microlaryngeal Scissors	2	✓
	<b>(H) TYMPANOPLASTY SET</b>		✓
84	Graft knife	1	✓
85	Graft scissors	1	✓

86	Graft press	1	✓
87	Aural speculum	4	✓
88	Rosen first incision knife	1	✓
89	Curette	2	✓
90	Drum elevator	1	✓
91	Blunt elevator	1	✓
92	Sickle knife	1	✓
93	Ball probe	1	✓
94	Micro suction Cannula with thumb adaptor	4	✓
95	Ear granulation forceps straight, up turn and side turn	3	✓
96	Graft forceps	1	✓
	<b>(I) MASTOIDECTOMY SET</b>		✓
97	Mallet	2 (optional)	✓
98	Gouge (different sizes)	4 (optional)	✓
99	Knife handle	1	✓
100	Mosquito artery forceps	4	✓
101	Cat's paw retractor	2	✓
102	Endaural retractor/post aural retractor for right and left ear	2	✓
103	Electric drill (motor, hand piece and burrs)	2 sets	✓
104	Mastoid seeker	2	✓
105	Aditus seeker	2	✓
106	Malleus head nipper	2	✓
107	Suction cannula with adapter for thumb control	4	✓
108	Ear granulation forceps straight, up turn and side turn	3	✓
	<b>(J) STAPEDECTOMY SET</b>		✓
109	Pick-straight	2	✓
110	70 Angled	2	✓
111	Perforator	2	✓
112	Measuring rod	2	✓
113	Prosthesis crimper	2	✓
	<b>(K) OESOPHAGOSCOPY SET</b>		✓
114	Oesophagoscopes sizes for different age group	3	✓
115	Light source and cable	1	✓
116	Biopsy forceps	3	✓
117	Foreign body removal forceps	3	✓
118	Suction cannula	3	✓
119	Oesophageal dilators	1 set	✓
	<b>(L) BRONCHOSCOPY SET</b>		✓

120	Bronchoscopes different sizes for different age groups	3	✓
121	Light source and cable	1	✓
122	Biopsy forceps	3	✓
123	Foreign body removal forceps	3	✓
124	Peanut forceps	3	✓
125	Suction cannula	3	✓
	<b>(M) TRACHEOSTOMY SET</b>		✓
126	Needle holder	1	✓
127	Bard Parker knife handle	1	✓
128	Ribbon right angled retractors	2	✓
129	Curved arteries	4	✓
130	Straight arteries	1	✓
131	Cricoid hook	1	✓
132	Tracheal dilator	1	✓
	<b>(N) EXCISION BIOPSY SET</b>		✓
133	Doyen mouth gag	1	✓
134	Jenin's mouth gag	1	✓
135	Knife handle	2	✓
136	Adson's tissue holding forceps toothed	2	✓
137	Adson's tissue holding forceps plain	2	✓
138	Mayo scissors different sizes	3	✓
139	Mosquito curved artery forceps	6	✓
140	Curved artery forceps	6	✓
141	Ellis tissue forceps	4	✓
142	Babcock tissue forceps	2	✓
143	Cat's paw retractors	2	✓
144	Right angle retractors	2	✓
145	Skin hook single	2	✓
146	Skin hooks double	2	✓
147	Needle holder different sizes	3	✓
148	Thread cutting scissors	1	✓
	Minor Operation Theatre		✓
	<b>(A) DIRECT LARYNGOSCOPE SET</b>		✓
149	Laryngoscope – Anterior Commissure	1	✓
150	Negus	1	✓
151	Lighting system	1	✓
152	Biopsy forceps	1	✓
153	Foreign body removal forceps	1	✓
	<b>(B) MICRO EAR EXAMINATION SET</b>	2	✓
154	Aural speculum	4	✓

155	Suction cannula	4	✓
156	Aural cup forceps	2	✓
	<b>(C) NASAL PACKING SET</b>	2	✓
157	St Clair Thompson nasal speculum different sizes	4	✓
158	Nasal packing forceps	1	✓
159	Nasal suction cannula	4	✓
	(d) Nasal endoscopy trolley with 0 degree & 30-degree 4mm endoscope with light source, cable, monitor & camera	1	✓
	<b>(E) OTHERS</b>		
160	Higginson syringe	2	✓
161	Sterilizer	As required	✓
162	Aural Syringe	As required	✓
163	Tracheostomy set	As required	✓
164	Intubation set	As required	✓
165	Bowls, kidney treys, towel clips, sponge holding forceps and Cheatle forceps	As required	✓
<b>(E)</b>	<b>MISCELLANEOUS EQUIPMENT</b>		
166	Operating microscope for major Operation Theatre ( with camera attachment & monitor for teaching and recording )	1	✓
167	Electrocautery Unit	1	✓
168	Spot Mobile Light	1	✓
169	Basic OT table	1	✓
170	Operating microscope for minor Operation Theatre	1	✓
171	Puretone audiometer	As required	✓
172	Brainstem evoked response audiometer with ASSR	As required	✓
173	OAE Impedance audiometer (With sound treated air-conditioned room for audiometry)	As required	✓
174	Multimedia Projector with Screen	1	✓
	Teaching models/simulators as a part of the college CAL lab to teach clinical skills and procedure to the students must be available		✓
<b>(F)</b>	<b>ADDITIONAL EQUIPMENT</b>		
175	Flexible nasopharyngolaryngoscope	1	✓
177	Brainstem evoked response audiometer	1	✓
178	Goggles, plastic apron, gloves for examination of patients with biohazard (HIV & AU +ve)	1	✓
		As required	

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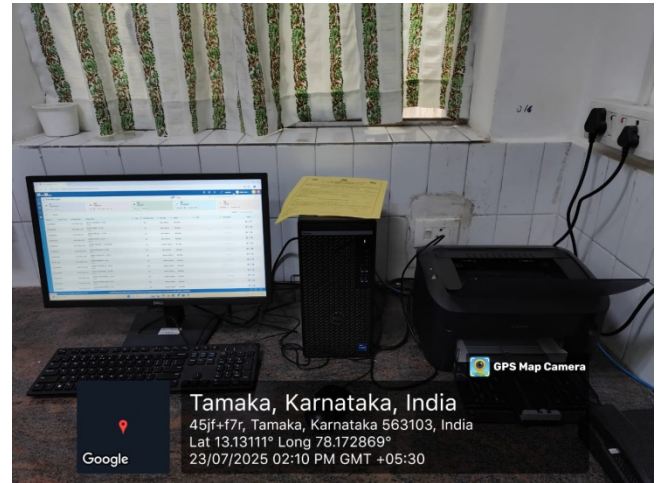
### **New Equipment List (Teaching and patient care)**

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**The WEREWOLF ENT<sup>®</sup> Coblator (SMITH & NEPHEW<sup>™</sup>)** is an advanced surgical device used in ENT procedures, particularly for tonsillectomy, adenoidectomy, turbinate reduction, and laryngeal surgeries. Utilizing controlled, low-temperature radiofrequency energy, it allows precise tissue removal with minimal damage to surrounding structures. This results in reduced intraoperative bleeding, less postoperative pain, and faster recovery. Its safety and efficacy make it a standard in modern ENT surgical practice.

**The ENT OPD Unit** is a fully integrated diagnostic and treatment station designed for comprehensive evaluation of ear, nose, and throat conditions. It includes an ENT examination, otoscope, endoscope, suction unit, headlight, light source, and storage for instruments. Digital endoscopy capabilities allow real-time video capture and patient education. The unit ensures efficient workflow and high-quality patient care in an outpatient setting.

A **Smart Board** enhances teaching, training, and patient consultation. This interactive digital whiteboard enables high-resolution display of images, videos, and presentations. Integrated with EMR and diagnostic systems, it allows seamless access to case files, radiology images, and endoscopy videos. For medical council inspections, the smart board showcases clinical documentation, procedural data, and academic activities, demonstrating a technologically advanced, patient-centric facility.




**PATHOLOGY- NMC Equipment checklist**

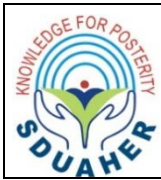
S.No.	NAME OF THE ITEMS	No. Required	Availability Yes/no	Numbers Available	Newly added 1st June 2024 to 31st May 2025
(A)	<b>General</b>				
1	Desktop Computers with High Speed Internet, Laser Black & White Heavy duty Laser Printers, Color Inkjet Printers, Scanners, Photocopy (Xerox) Machines, Telephone 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	yes		<b>New Led bulbs installed in the practical hall</b>
(B)	<b>Morbid Histology and Morbid Anatomy</b>				
2	Specimen Identification Solutions	1	NA	0	
3	Weighing machine for cadavers (300 Kg.)	1	NA	0	
4	Manual Rotary Microtome	2	Yes	2	
5	Automated Rotary Microtome	1	NO	0	
6	Cryostat	1	Yes	1	
7	Hot plate	2	Yes	4	
8	Paraffin embedding bath	2	NO	0	
9	Heated Paraffin Embedding Module	2	NO	0	
10	Cold Plate for Modular Tissue Embedding System	1	NO	0	
11	Automated Tissue Processor -Histokinette	2	Yes	2	1
12	Autoclave	2	NO	0	
13	Ultrapure water solutions - Distilled water plant	1	no	0	
14	Water bath	1	Yes	1	
15	Centrifuge machine	5	Yes	4	
16	Cabinet for slides	As required	Yes	13	3
17	Autopsy tables	Common with Forensic Dept.	NA	0	
18	Digital SLR at least 20 megapixel with micro, macro, wide angle zoom lenses, Flash and other accessories	1	NO	0	
19	Digital Automatic camera > 5 megapixel	1	NO	0	
20	Fully Automated high throughput Multi-Stainer Workstation	1	1	Yes	1
21	Fully Automated Embedding System (Heated	1	Yes	1	

	embedding module & cold plate)		No		
22	Fully Automated Flexible Coverslipping Workstation	1	No		
23	Standalone paraffin dispensing module cold plate holding more than 100 cassettes	1	No		
24	Stand alone cold plate	1	No		
25	Troughs for staining	As required	Yes	10	
26	Coplin jars	As required	Yes	30	
27	Water bath (Tissue Floatation)	As required	Yes	2	
28	Single Pan Digital Balance, Chemical	2	No		
29	Balance, chemical with weights	2	No		
	<b>Microscopes</b>				
30	<b>For Students</b> – LED Binocular with Scanner, 10X, 40X, & Oil immersion lenses and inbuilt Battery backup power source	60	Yes	108	
31	<b>For Diagnostic &amp; Research Work</b> - 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 Brightfield & Immunofluorescence Photography with connectivity to projector & LED TV (At least 55 inches Ultra HD)	1	Yes	1	
32	<b>For every Professor, Associate &amp; Assistant Professor</b> : Binocular Microscopes with High end Semiapochromatic Optics of international standard.	As required	Yes	3	
33	<b>For every Tutor</b> – Binocular Microscope with suitable high end lenses.	As required	Yes		
34	<b>Penta Head Microscope with High end Optics</b> with HDMI Multi output Photographic camera (> 5 MP) including Software	1	Yes	1	
35	<b>Deca Head Microscope with High end Optics</b> with HDMI Multi output Photographic camera (> 5 MP) including Software	1	No	0	
36	<b>Grossing Station</b> - 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	Yes	1	
37	Fully Automated Immuno-histo-chemistry Setup with Continuous supply of Important Antibodies, Lymphoma Panel etc.	1	No	0	
38	Automatic High Speed Slide Scanner for converting Slides in Digital Format with software and Database Management with backup for Data Storage	1	No	0	

(C)	<b>Hematology Lab:</b>				
39	Five part Fully Automated Cell Counter	1	Yes	2	
40	Three Part Fully Automated Cell Counter	1	Yes	1	
41	Coagulometer (Fully automated)	1	Yes	1	
42	Magnifying lens	3	Yes	1	
43	Blood pressure instrument	5	No	0	
44	Laboratory Counter	As required	Yes	8	
45	Laboratory stirrer	As required	Yes	1	
46	Automatic timer	5	Yes	1	
47	Balance for weighing organs	1	Yes	10	10
48	Saws, wire for cutting bones	As required	Yes	1	
49	Slide boxes for 100 slides for students	200	Yes	50	
50	Drill for boring glass	As required	No	0	
51	X-ray viewing box (LED)	2	No	0	
52	Sternal puncture needle adult size	As required	Yes	2	
53	Sternal puncture needle child size	As required	Yes	2	
54	Liver Biopsy needle	As required	Yes	1	
55	Stop watch reading at 1/5 second.	5	No	0	
56	pH Meter electric	5	Yes	1	
57	Electrophoresis Set Up	1	Yes	1 (HPLC)	
58	LED Wireless Projector	3	3	Yes	
59	Museum jars.	As required	Yes	600	
60	Surgical instruments.	5 Sets	Yes	1	
61	Glassware, stains, chemicals reagents etc. for histological work.	As required	Yes	Available	
(D)	<b>Clinical Laboratory:</b>				
62	Five Part Hematology Analyzer	1	Yes	2	
63	Three Part Hematology Analyzer	2	Yes	1	
64	Automatic Urine Analyzer	2	Yes (semi automated)	1	
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	No	0	
66	Sp. Gravity Measure	2	Yes	1	
67	PH meter	2	No	1	
68	Incubator	2	Yes	1	
69	Haemacytometers with red and white pipettes	90	Yes	22	
70	Syringes disposable	As required	Yes	Available	
71	Staining jars for slides.	As required	Yes	Available	
72	Automatic Hematology Slide Stainers.	As required	No	0	
73	Urinometers (Mercury based instruments to be replaced with other alternatives)	As required	Yes	1	
74	Centrifuge tubes graduated.	As required	Yes	Available	
75	Graduated cylinders for various capacities ranging from 100 cc to 1000 cc.	As required	Yes	available	
76	Pipettes of various sizes with disposal tips.	As required	Yes	Available	
77	Reagent bottles	As required	Yes	Available	

78	Dropping bottles	As required	Yes	Available	
79	Reagents	As required	Yes	Available	
80	Balances –Digital Single Pan Sensitive Chemical balance	As required	Yes	Available	
(E)	<b>Specimens:</b>				
81	Mounted Specimens	300	Yes	634	
82	Wet Specimens	150	Yes	181	
	<b>Note:</b> Equipment must be of International specification & standards, regular calibration, running of international standard controls, comprehensive maintenance are mandatory. Department must have High Speed Internet Facility > 2 MB/S. Adequate Desktop, Laptops, Printers, Scanners, Portable Hard Disks, DVD Writer etc. for office and for the Faculty & Residents.				

  
 26/2020  
 Professor & HoD  
 Department of Pathology  
 Sri Devaraj Urs Medical College  
 Tamaka, Kolar - 563101



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH**  
**SRI DEVARAJ URS MEDICAL COLLEGE**  
**Tamaka, Kolar**



**DEPARTMENT OF EMERGENCY MEDICINE**

**CENTRAL CASUALTY DEPT. (New List)**

S.No.	NAME OF THE ITEMS	No. Required	Availability Yes/No	Numbers available (N)
	There shall be a Central Casualty department wherein consultancy services shall be provided by the faculty of relevant Departments. And relevant investigation facilities to be run in liaison with central laboratory.			
1	Casualty resuscitation room should have central piped Oxygen supply & suction on every bed.	As required	Yes	All beds/trolleys
2	Ventilators, Multipara monitors, ECG machines, Nebulizers.	3 each	Yes	Ventilators-6+2=8 Multipara monitors-30 Nebulizers-01
3	Fully equipped disaster trolleys (emergency trolleys).	3	Yes	
4	Emergency X-ray (Fixed 300/500mA & Mobile 100mA )	1 each	Yes	01
5	Sonography machine/s in the casualty	1	Yes	
6	Plaster room	1	Yes	01
	<b>Operation theatre shall be provided. These shall be equipped for emergency operative treatment and include the following:</b>			
7	Operation Theatre Table	1	Yes	01
8	Operation Theatre Ceiling light	1	Yes	01
9	Pedestal lights	2	Yes	02
10	Electro-surgical cautery unit	1	Yes	01
11	Suction	4	Yes	04
12	Pulse oximeter	4	Yes	Portable pulse oximeter-05
13	Anesthesia Equipment	1 set	Yes	1
14	Resuscitation kit	1	Yes	1
15	Assorted surgical instrument sets	5	Yes	1
16	Autoclave	1 central unit	Yes	1
17	OT should have resuscitation equipment like Anesthesia machine and ,Mechanical ventilator Separate or with anesthesia machine, LMA / PLMA of all sizes, Electrical suction apparatus	As required	Yes	1
	<b>Required equipment on Each Emergency Trolley</b>			
(A)	<b>Airway:</b>			
18	Pocket mask with oxygen port	As required	Yes	4
19	Digital Blood Pressure apparatus	As required	Yes	2
20	Ambu bag and tubing (ideally, the resuscitation bag should be single use – if	As required	Yes	10

	not, it should be equipped with a suitable filter)			
21	Clear face masks, sizes 3, 4 and 5	As required	Yes	10
22	Oropharyngeal airways, sizes 2, 3 and 4	As required	Yes	10
23	Nasopharyngeal airways, sizes 6 and 7	As required	Yes	10
24	Portable suction equipment	As required	Yes	04
25	Yankauer suckers	As required	Yes	10
26	Tracheal suction catheters, sizes 12 and 14	As required	Yes	05
27	Laryngeal mask airways (sizes 4 and 5), or ProSeal LMAs (sizes 4 and 5)	As required	Yes	Each 1
28	Magill forceps	As required	Yes	02
29	Tracheal tubes – oral, cuffed, sizes 6, 7 and 8	As required	Yes	Each 3



**PROF & HEAD**  
**DEPT. OF EMERGENCY MEDICINE, SDUMC,**  
**Tamaika, KOLAR - 563 101.**

30	Gum elastic bougie or equivalent device	As required
31	Lubricating jelly	As required
32	Laryngoscope handles (x 2) and blades (standard and long blades)	As required
33	Spare batteries for laryngoscope and spare bulbs (if applicable)	As required
34	Fixation for tracheal tube (such as ribbon gauze or tape)	As required
35	Scissors	As required
36	Selection of syringes	As required
37	Oxygen mask with reservoir (non-rebreathing) bag	As required
38	Oxygen cylinders	As required
39	Oxygen cylinder key.	As required
<b>(B)</b>	<b>Circulation:</b>	As required
40	Defibrillator	As required
41	ECG electrodes	As required
42	Defibrillation gel pads or self-adhesive defibrillator pads (preferred)	As required
43	Selection of intravenous cannulae	As required
44	Selection of syringes and needles	As required
45	Cannula fixing dressings and tapes	As required
46	Seldinger central venous catheter kit	As required
47	Intravenous volumetric infusion sets	As required
48	0.9% sodium chloride - 1000 mL x 2	As required
49	Arterial blood gas syringes	As required
50	Tourniquet.	As required
<b>(C)</b>	<b>Drugs:</b>	As required
51	Immediately available pre-filled syringes:	As required
52	Adrenaline (epinephrine) 1 mg (1:10,000) x 4	As required
53	Atropine 3 mg x 1.	As required
54	Hydrocortisone 100mg x 1	As required
<b>(D)</b>	<b>Other readily available drugs: Intravenous medications:</b>	As required
55	Adenosine 6 mg x 10	As required
56	Adrenaline 1 mg (1:10 000) x 4	As required
57	Adrenaline 1 mg (1:1 000) x 2	As required
58	Amiodarone 300 mg x 1	As required
59	Calcium chloride 10 mL of 100mg per mL x 1	As required
60	Chlorphenamine 10 mg x 2	As required
61	Furosemide 50 mg x 2	As required
62	Glucose 10% 500 mL x 1	As required
63	Lidocaine 100 mg x 1	As required
64	Magnesium sulphate 50% solution 2 g (4 mL) x 1	As required
65	Midazolam 10 mg x 1	As required
66	Normal saline 10 ml ampoules	As required
67	Potassium chloride for injection	As required
68	Sodium bicarbonate 8.4% - 50 mL x 1.	As required
69	Other life saving drugs as required.	As required
<b>(E)</b>	<b>Additional items: Gloves, goggles and aprons, sharps container, clinical waste bags, large scissors, alcohol wipes, blood sample specimen bottles.</b>	As required



A. NON CLINICAL DEPARTMENTS

1. DEPARTMENT OF CLINICAL NUTRITION AND DIETETICS

S.No.	NAME OF THE ITEMS	No. Required
(A)	General	
1	Body Composition Analyser	1

  
Signature of HoD 24/5/25

Prof. S. HOD  
Department of  
Clinical Nutrition and Dietetics  
Sri Devanaraja Urs Academy of  
Medical Education and Research  
Tumkur, Kolar-57701

## Equipment Description: In Body 270 Body Composition Analyzer

The InBody 270 is a professional-grade body composition analyzer designed for use in medical, fitness, and research settings. It utilizes Direct Segmental Multi-Frequency Bioelectrical Impedance Analysis (DSM-BIA) and 8-point tactile electrode technology to deliver precise and comprehensive body composition measurements.

### Key Features:

- **Measurement Parameters:**
  - Body Weight
  - Skeletal Muscle Mass (SMM)
  - Body Fat Mass (BFM)
  - Body Fat Percentage (PBF)
  - Body Mass Index (BMI)
  - Total Body Water (TBW)
  - Segmental Lean Analysis (arms, legs, trunk)
  - Visceral Fat Level
  - Basal Metabolic Rate (BMR)
- **Technology:**
  - Uses multiple frequencies (20 kHz, 100 kHz) for high-accuracy measurement
  - Direct segmental analysis for more detailed and accurate results
  - No empirical estimation (e.g., age, gender) used for core measurement values
- **Design and Portability:**
  - Foldable design for easy transport
  - Lightweight and compact, ideal for mobile assessments
  - Touchscreen interface for intuitive operation
  - Compatible with USB and Bluetooth data transfer (depending on model)
- **Output and Integration:**
  - Full-page result sheet with visual interpretation
  - Data storage and transfer capabilities
  - Compatible with InBody software and cloud services for report management
- **Specifications:**
  - Dimensions (Setup): Approx. 356 × 796 × 995 mm
  - Weight: Approx. 14 kg
  - Power Supply: AC 100–240V, 50/60Hz
  - Measurement Time: 15–30 seconds
  - Weight Capacity: Up to 250 kg

### Applications:

- Fitness assessments and personal training
- Clinical and medical diagnostics
- Weight management programs
- Sports performance analysis
- Wellness and corporate health programs

*Sho0002*  
24/5/25


### Uses of the Equipment

- Measures body fat, muscle mass, and total body water accurately.
- Monitors progress in weight loss or fitness programs.
- Assesses nutritional and health status in clinical settings.
- Tracks muscle gain and fat loss in athletes and fitness clients.
- Evaluates body composition changes during medical treatments.
- Estimates Basal Metabolic Rate (BMR) for diet planning.
- Identifies fluid imbalances in patients with chronic conditions.
- Detects muscular imbalances to prevent sports injuries.
- Supports health research and academic studies.
- Enhances corporate wellness and employee health screenings.

  
Signature of HoD

Prof. & HoD  
Department of  
Clinical Nutrition and Dietetics  
Sri Devasaj Urs Academy of  
Higher Education and Research  
Tumkur, Kolar-563104



 GPS Map Camera



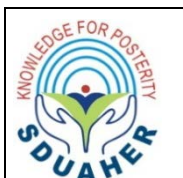
# Kolar, Karnataka, India

Tamka Old Town, Kolar, Karnataka 563103, India

Lat 13.132307, Long 78.173466

05/24/2025 12:59 PM GMT+05:30

Note : Captured by GPS Map Camera



**Qualitative Metrics:**

**4.1.1 Describe the adequacy of facilities for teaching-learning (100-200 words)**

• Include descriptions of any new equipment and ICT tools bought especially for teaching purposes.	Nil
• Attach geotagged photos and invoice bills.	Nil
• Attach a list of equipment and its purpose for teaching and research in PDF format, with HOD's signature.	Nil
• Attach invoice bills under any other relevant information.	Nil

**4.1.2 & 4.1.3 Not Applicable**

• Skip these sections by putting zero everywhere.	--
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**4.2.1 Describe the adequacy of facilities for clinical teaching-learning (100-200 words)**

<p><b>•Include descriptions of new equipment bought for clinical teaching purposes. Freshly taken equipment.</b></p>	<p>We department of Emergency Medicine have purchased Hamilton Ventilators and Multichannel Monitors namely GE and BPL devices. The Devices are placed in Various zones of Emergency Room and regularly used for patient resuscitation and emergency care. Which are very helpful for bedside teaching of postgraduate students.</p> <p>We have also added a point of care device which used monitor patients Blood ketone and very helpful in diagnosing and treating hyperglycaemic emergencies</p>
<p><b>• List equipment for patient care, teaching-learning, and research with</b></p>	

geotagged photos.



• Use the provided NMC checklist, fill it adequately, get it signed by the HOD, and upload it as a PDF. (separately print your department NMC page only then fill and upload)

List enclosed

Sections to Skip:

- 4.2.2
- 4.3
- 4.4
- 4.5

**Quantitative Metrics:**

- Skip fully.

Thanking you

with regards,



PROF & HEAD  
DEPT. OF EMERGENCY MEDICINE, SDUMC,  
Tamatla, KOLAR - 563 101.

( Dr.Rajesh.K)