

STANDARD ASSESSMENT FORM- B

(DEPARTMENTAL INFORMATION)

PHYSIOLOGY

1. Kindly read the instructions mentioned in the Form 'A'.
 2. Write N/A where it is Not Applicable. Write 'Not Available', if the facility is Not Available.

A. GENERAL:

- a. Date of LoP when PG course was first Permitted: 16th April 2010
- b. Number of years since start of PG course: 16 years
- c. Name of the Head of Department: Dr Vandana Bharatrao Dudhamal
- d. Number of PG Admissions (Seats): 2 seats /year
- e. Number of Increase of Admissions (Seats) applied for: Yes/05
- f. Total number of Units: Not applicable (NA)
- g. Number of beds in the Department: Not applicable (NA)
- h. Number of Units with beds in each unit:

Unit	Number of Beds	Unit	Number of beds
Unit-I	Not Applicable (NA)	Unit-V	Not applicable (NA)
Unit-II	Not Applicable (NA)	Unit-VI	Not applicable (NA)
Unit-III	Not Applicable (NA)	Unit-VII	Not applicable (NA)
Unit-IV	Not Applicable (NA)	Unit-VIII	Not applicable (NA)

i. Details of PG inspections of the department in last five years: Not done

Date of Inspection	Purpose of Inspection (LoP for starting a course/permission for increase of seats/ Recognition of course/ Recognition of increased seats /Renewal of Recognition/Surprise /Random Inspection/ Compliance Verification inspection/other)	Type of Inspection (Physical/ Virtual)	Outcome (LOP received/denied. Permission for increase of seats received/ denied. Recognition of course done/denied. Recognition of increased seats done/denied / Renewal of Recognition done/ denied /other)	No of seats Increased	No of seats Decreased	Order issued based on inspection (Attach copy of all the order issued by NMC/ MCI as Annexure
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- j. Any other Course/observer ship (PDCC, PDF, DNB, M.Sc., PhD, FNB, etc.) permitted/ not permitted by MCI/NMC is being run by the department? If so, the details thereof: No other courses.

Name of Qualification (course)	Permitted by MCI/NMC	Number of Admissions per year
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable

B. INFRASTRUCTURE OF THE DEPARTMENT:

a. Department Office details:

Department Office		Total space available
Department office	Available/ not available	15 sqm
Staff (Steno /Clerk)	Available/not-available	15sqm
Computer and related office equipment	Available/not-available	15 sqm
Storage space for files	Available/not available	Available

Office Space for Teaching Faculty/residents		Total space available	
Faculty	Available/not available	20 sqm	1 No x 40 sqm
Head of the Department	Available/not available	20 sqm	
Professors	Available/not available	2No x 20 sqm = 40sqm	
Associate Professors	Available/not available	3No x 20 sqm = 60 sqm	
Assistant Professor	Available/not available	15 sqm	
Senior residents room	Available/not available	15 sqm	
PG room	Available/not available		

b. Seminar Room

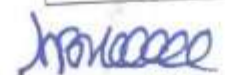
Space and facility: Adequate/ Not Adequate , area – 38 sqm

Internet facility: Available/Not Available

Audiovisual equipment details: LCD Projector and laptop - Available

c. Details of Laboratories in the Department:

Nomenclature	Hematology	Clinical Physiology	Demo. Rooms
Size (Area)	215 sqm	115 sqm	02 Demo rooms each of 71 sqm
Capacity	75	75	75
Water Supply	Available	Available	--


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Nomenclature	Hematology	Clinical Physiology	Demo. Rooms
Sinks	24	02	--
Electric points	56	19	10
Cupboards*	06	04	02
Equipment List	Attached	Attached	Equipped with AV Aids

Attach Important Equipment List for each Lab.

d. Equipment:

Name of the Equipment	Must/Desirable	Numbers Available	Functional Status	Important Specifications in brief	Adequate Yes/No
Student digital physiograph, (single channel) sensor based	Available	1	working	Physiograph Single Channel with Accessories (Digital TFT Screen) 1. Supplied as a standalone recorder to monitor & record the data on single channel colored TFT Monitor. 2. TFT display size should be of minimum 6" x 3.5" . 3. System built in stimulator. 4. System have facility to store the recording and review the recorded data on inbuilt TFT screen without need of any computer. 5. A software provided free of cost along with the system to review and printing the recorded data from PC whenever required. 6. Supplied with Force Transducer. Isotonic Transducer & Volume transducer 7. For human experiment, transducers electrodes to perform following tests i.e ECG, EEG, EMG, GSR.	Yes
Treadmill	Available	1	working		Yes
Digital Mosso's ergograph	Available	15	working	The equipment has easy plug and play setup for automatic recording and graphing and calculations relevant to the study of muscular fatigue and human physiology. Data is gathered using state-of-art force and ultrasonic sensors for capturing isotonic and isometric forces as well as velocity measurements, respectively.	Yes



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Perimeter	Available	15	working	Perimeter Pristley Smith Long perimeter with black metal brass adjusting wheels Strong metallic base including disc pad and perimeter charts. Socket for keeping charts. Lockable wooden crape with key and metal carrying handle.	Yes
Stethograph	Available	20	working	Corrugated canvas rubber tubing along 60 cm long, 3-4cm diameter with Marys tambour and kymograph.	Yes
Spirometer	Available	2	working	Conventional to operate powerful electronics amplifier. Simple operations and rapid test basically analysed and state explain Provide rate volume and volume time waveform used for diagnosing the disease.	Yes
pH meter	Available	1	Working		Yes
Reaction timer Apparatus	Available	2		Micro-Computer based. Accurate and precise timing using quartz crystal technology. Time display on Bright LED. Stimulus: Light: 3 (Green, Red, Yellow) Sound : 3 types. Least count of 0.001 seconds. Max time of 999.999 sec.	
rTMS Machine	Available	1		Pulse Type: Biphasic (Full Sine) Pulse width: 320 us Pulse mode: Single and Repetitive Repetition rate: 30 pps Output energy range: 20%-100% Max Initial dB/dt (coil surface) : 32- 36 Kilo tesla Operating supply: 230 V +/- 10% 50/60 Hz Maximum Power Consumption: 2200 VA Standby Power Consumption: 90 VA	Yes
Any other equipment					

Equipment list attached.**e. Facilities for Practical/Research.**

- Facilities for theory and practical classes for UG students as per NMC recommendations:
Yes / No
- Facilities to carry out additional classes and practical at PG level. Yes /No
- Laboratories and other facilities for conducting research. Yes /No

f. Brief details regarding Applied Physiology:

- Facilities available for training in Applied Physiology- Yes
- Facilities available for training in other selected subjects- NA



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g. Library facility pertaining to the Department/Speciality (Combined Departmental and Central Library data):

Particulars	Details
Number of Books	22412
Total books purchased in the last three years (attach list as Annexure)	1719
Total Indian Journals available	72
Total Foreign Journals available	151

Internet Facility: **Yes/No**
 Central Library Timing: 10.00am to 5:45pm
 Central Reading Room Timing: 24 x 7 open

Journal details

Name of Journal	Indian/foreign	Online/offline
American Journal Of Physiology	foreign	Offline
International Journal Of Basic And Applied Physiology	foreign	Offline
Journal Of Applied Physiology	foreign	Offline
Physiological Reviews	foreign	Offline
Indian Journal Of Physiology & Allied Science	Indian	Offline
Indian Journal Of Physiology And Pharmacology	Indian	Offline
National Journal Of Physiology, Pharmacy & Pharmacology	Indian	Offline
Indian Journal Of Clinical Anatomy And Physiology	Indian	Offline


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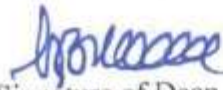
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h. Departmental Research Lab:

Space	63 sqm
Equipment	Available
Research Projects Done in past 3 years	List attached
List Research projects in progress in research lab	1. Effect of dust exposure on pulmonary function test among hospital sweepers- A study at Tertiary Health Centre. 2. Comparative Study of Pulmonary Function Tests in Smokers and Non-Smokers among patient's relatives visiting the tertiary healthcare hospital – A cross sectional study. 3. Study of Pulmonary Function Tests among Young Adults with Type 2 Diabetes Mellitus attending Tertiary Care Hospital. 4. Assessment of pulmonary function tests among petrol pump workers in a city of Maharashtra- A cross sectional observational study

C. SERVICES:

Type of Service	Available/Not Available	Comments
Cardiology: ECG, HRV (Computerized), Hand-grip Dynamometer	1) ECG- Available 2) HRV – available 3) Hand- grip Dynamometer - Available	Used for educational purpose and research purpose Done along with broad speciality
Pulmonology: Computerized Spirometry, PFT, Peak Flow Meter, BMR etc.	1) Computerized Spirometry – Available 2) PFT – Available 3) Peak flow meter – Available 4) BMR- Available	Used for educational purpose and research purpose Done along with broad speciality
Autonomic Function Tests	Available	Used for educational purpose and research purpose


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Neurology: EEG, Nerve Conduction Studies, EMG, Evoked Potential Studies (P300), VEP, BERA etc.	1) EEG-Available 2) Nerve Conduction Studies-Available, 3) EMG-available, 4) Evoked Potential Studies (P300) – Available, 5) VEP- Available, BERA – Available	Used for educational purpose and research purpose Done along with broad speciality
Yoga lab or clinic.	Available	
Any other special diagnostic facilities being provided by the department.		
Advance Physiology Lab	Available	Used for educational purpose and research purpose


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D. STAFF:**i. Unit-wise Faculty and Senior Resident details:**

Unit No.: _____

Sr. No.	Designation	Name	Joining date	Relieved/Retired/working	Relieving Date/Retirement Date	Attendance in days for the year/part of the year* with percentage of total working days** [days (%)]	Phone No.	E-mail	Signature
1	Professor and Head	Dr. Vandana Bharatrao Dudhmal	07/08/2024	Working	31/07/2040	98%	9665490881, 9850630360	vandana.dudhmal67@gmail.com	
3	Associate professor	Dr. Mukund Bhaskarrao Kulkarni	28/03/2005	Working	31/03/2036	92%	9970069879	drmbk1992@gmail.com	
4	Associate professor	Dr. Massrat Firdos Abdul Naem	05/06/2025	Working	31/07/2047	98%	9860315090	firdosmassrat@gmail.com	
5	Assistant professor	Dr. Seema Chandrakant Takras	19/09/2019	Working	30/09/2049	98%	9823937544	seema4177@gmail.com	
7	Assistant professor	Dr. Mujtaba Nausheen (Contractual)	16/10/2025	Working	15/10/2026	95%	9740808916	drnausheen10@gmail.com	
8	Senior Resident	Dr. Anubrata Mukherjee	12/03/2026	Working	11/02/2026	98%	9804651692	dr.anubrata@gmail.com	

* - Year will be previous Calendar Year (from 1st January to 31st December)

** - Those who have joined mid-way should count the percentage of the working days accordingly.

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- ii. Total eligible faculties and Senior Residents (fulfilling the TEQ requirement, attendance requirement and other requirements prescribed by NMC from time-to-time) available in the department:

Designation	Number	Name	Total number of Admission (Seats)	Adequate / Not Adequate for number of Admission
Professor	1	Dr Vandana Bharatrao Dudhmal	2 Seats/year. /7 Seats per year	Adequate
Associate Professor	2	1)Dr Mukund Bhaskarrao Kulkarni 2) Dr Massrat Firdos Abdul Naeem		
Assistant Professor	2	1).Dr Seema Chandrakant Takras 2).Dr Mujtaba Nausheen		
Senior Resident	1	Dr. Anubrata Mukherjee		

- iii. P.G students presently studying in the Department:

Name	Joining date	Phone No	E-mail
1) Dr. Akshay Kumar	30/11/2023	8368711576	akshaykumarpont@gmail.com
2) Dr. Bhagwat Niwrat Khandare	17/11/2023	9021476874	bhagwatkhndare22@gmail.com
3) Dr. Mohammed Ali Ahmed	29/01/2025	9422907595	mdaliahmed8055@gmail.com
4)Dr. Aniruddh Prakash Muneshwar	24/02/2025	8999460813	aniruddh.muneshwar@gmail.com
5) Dr. Deepak Verma	20/02/2026	9167198498	deepak9506359562@gmail.com
6) Dr. Seema S. Raghuwanshee	09/03/2026	70202498980	Seema25971@gmail.com

- iv. PG students who completed their course in the last year:

Name	Joining date	Relieving Date	Phone no	E-mail
1) Dr. Anubrata Mukherjee	23/11/2022	22/11/2025	9804651692	dr.anubrata@gmail.com


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E. ACADEMIC ACTIVITIES:

S. No.	Details	Number in the last Year	Remarks Adequate/ Inadequate
1.	Clinico-physiological Symposia/ Seminar	22	Adequate
2.	Seminar	78	Adequate
3.	Journal Clubs	52	Adequate
4.	Group discussions	40	Adequate
5.	Guest lectures	03	Adequate
6.	Physician conference/ Continuing Medical Education (CME) organized.	00	--
7.	Symposium	03	Adequate

Note: For Seminars, Journal Clubs, Case presentations, Guest Lectures the details of dates, subjects, name & designations of teachers and attendance sheets to be maintained by the institution and to be produced on request by the Assessors/PGMEB.

Publications from the department during the past 3 years (2023-2026): List attached

Sr no.	Name of Author(s)	Title of Paper	Name of Journal	Vol.Page No	Year
1	Dr.Seema Takras,Dr.Mutjaba Nausheen, Dr.Sudha Karadkhedkar	A study of correlation between body mass index,blood pressure and Lipid profile characteristics among menopausal women in Nanded,Maharashtra	International Journal of Pharmaceutical and Clinical Research	15(12):951-955	2023
2	Dr.Massrat Firdos , Dr.Sripadrao Kulkarni , Dr.Amera Dr.Anjum Saifee, Dr.Mujtaba Nausheen	Study of association between blood pressure And handgrip strength in labourers.	Journal of Cardiovascular Disease Research	14(09): 2461-2467	2023
3	Dr. Nehal Sisodiya, Dr. Hiren Nanjibhai Judal, Dr. Manish Nagendra, Dr. Mujtaba Nausheen	Clinical profiling of cholelithiasis, A cross sectional study	Journal of Cardiovascular Disease Research	14(12):60-68	2023
4	Dr. Mujtaba Nausheen, Dr. Ashna Kallingal Akbar,Dr. Trupti Gurav, Dr. Afshan Kausar.	Study on correlation between body mass index with right and left handgrip strengths in laborers.	Journal of Cardiovascular Disease Research	14(10):2010-2014	2023

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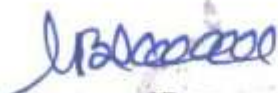
5	Dr. Bhanudas S Karale, Sunita G Nighute, Sudha S Karadkhedkar and Mukund B Kulkarni	Study Function Parameters In Diabetic Patients	Research Journal of Pharmaceutical, Biological and Chemical Sciences	15(1) 370-374	2024
6	Dr. Massrat Firdos, Dr. Raeesa Khatoon, Dr. Sudha S Karadkhedkar, Dr. Sainath Lachmanna Maidapwad, Dr. Vaishali Inamdar,	Effects of Formalin vapors on Pulmonary Function Tests in first year medical students.	International Journal of Recent Scientific Research	15(01):4517-4520	2024
7	Dr. Massrat Firdos, Dr. Seema Chandrakant Takras, Dr. Syed Anam Inayatullah, Dr. Mujtaba Nausheen	A Study on the Correlation between Blood Pressure and Body Mass Index (BMI) among High School Students in Rural Area of Karnataka.	International Journal of Pharmaceutical and Clinical Research	16(2): 854-860	2024
8	Dr. Raisa Khatoon, Dr. Massrat Firdos, Dr. Sudha Karadkhedkar, Dr. Mukund Kulkarni	Effects of long term exposure to saw dust in workers working in saw mills	International Journal of Biological and Medical Research	15(2):7776-7778	2024
9	Dr. Swapnil Ghalat Dr. Sanjivani More Dr. Seema Takras	Evaluation of Haemoglobin Variants in High Profile Liquid Chromatography (HPLC) of Thalassemia VS, Sickle Cell Disease: A Cross Sectional Study	Journal of Geriatric Medicine	17(4) 28-32	2025

F. EXAMINATION:

i. Periodic Evaluation methods (FORMATIVE ASSESSMENT): (Details in the space below)

Quarterly theory and practical skill assessment was taken.

1	Ist exam	17 October 2025 18 October 2025	Theory Practical
2	IIInd exam	16 Jan 2026 17 Jan 2026	Theory Practical
3	IIIrd exam	15 Apr 2026 17 Apr 2026	Theory Practical


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as per appraisal form Annexure I

Case presentation of cardiovascular system, respiratory system, alimentary tract, sensory system and motor system was done

Seminar, journal club was done as per timetable that is made as per NMC norm

ii. Detail of the Last Summative Examination:

a. List of External Examiners:

Name	Designation	College/ Institute
1) Dr Sharan Singh	Professor and Head	Department of Physiology SVIMS Shree Padamavati Medical college for women, Tirupati.
2) Dr Anjali Shete	Professor and Head	Department of Physiology PAH Govt. Medical College, Baramati.

b. List of Internal Examiners:

Name	Designation
1) Vandana Bharatrao Dudhamal	Prof. and Head Department of Physiology. DR. SC GMC Nanded
2) Dr Mukund Bhaskarrao Kulkarni	Associate Professor, Department of Physiology, Dr. SCGMC Nanded

c. List of Students:

Name	Result (Pass/ Fail)
1) Dr Anubrata Mukherjee	Pass

d. Details of the Examination: Exam conducted on 7th & 8th Jan 2026 year as per NMC norms.

Video Link:- https://drive.google.com/file/d/1ddeGQZrvV3G-b_e-TzyRd8A6sbAGL4Uj/view?usp=sharing

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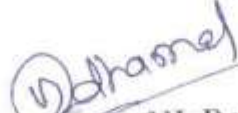
G. MISCELLANEOUS:

- i. Details of data being submitted to government authorities, if any: Not Applicable
- ii. Participation in National Programs: No
(If yes, provide details)
- iii. Any Other Information: Model Making Competition organized on- 28/03/2025
Model Making Competition organized on- 24/04/2026

H. Please enumerate the deficiencies and write measures are being taken to rectify those deficiencies:

20/6/2026
Date:


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Signature of HoD with Seal
Prof. & Head,
Dept. of Physiology
Dr. Shankarrao Chavan Govt
Medical College, Nanded.

I.

REMARKS OF THE ASSESSOR

1. Please **DO NOT** repeat information already provided elsewhere in this form.
2. Please **DO NOT** make any recommendation regarding grant of permission/recognition.
3. Please **PROVIDE DETAILS** of deficiencies and irregularities like fake/ dummy faculty, fake/dummy patients, fabrication/falsification of data of clinical material, etc. if any that you have noticed/came across, during the assessment. Please attach the table of list of the patients (IP no., diagnosis and comments) available on the day of the assessment/inspection.
4. Please comment on the infrastructure, variety of clinical material for the all-round training of the students.



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Department of Physiology
Dr. Shankarrao Chavan Government Medical College, Nanded.

LIST OF INSTRUMENTS (Year 2026-27)

S.No.	NAME OF THE ITEMS	Available items
1	Sherrington Starling kymograph (electrically driven)	2
2	Myograph stand	2
3	Inductorium	2
4	Simple key	2
5	Short circuiting key	2
6	Pohl's commutator	2
7	Vibrating interrupter	2
8	Muscle trough	2
9	Muscle lever	2
10	Muscle grip of femur clamp	2
11	Hook and Weight set	2
12	Heart lever (simple & Starling)	2
13	Frog board for dissection	2
14	Enamel tray	2
15	Frog board cork lined with boss head	2
16	Low voltage unit for tapping 2 and 4 volts for stimulation	2
17	Electromagnetic time marker	2
18	Tuning fork time marker 100/sec	2
19	Electrodes	2
20	X-blocks	2
21	Spirit lamps	2
22	Marey's tambour	2
23	Microscopes, oil immersion	60+8
24	Demonstration eye piece	4
25	Double demonstration eye piece	4
26	Stage incubator	1
27	Westergren's pipette for E.S.R. on stand (with space pipette)	30

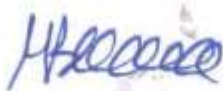


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28	Wintrobe's pipette for ESR and PCV with stand	30
29	Perimeter Pristely Smith S/LP.984 B & T	15
30	Hemoglobin-meter Sahli's or Hellige (with spaces)	60
31	Hemocytometer	60
32	Sphygmomanometer (digital) (Mercury based instruments to be replaced with suitable alternatives)	60
33	Stethoscopes	60
34	Stethoscopes, demonstration with multiple ear pieces	4
35	Polygraphs	1
36	Venous pressure apparatus	2
37	Spirometer, ordinary	20
38	Gas analysis apparatus, Halden's student type	1
39	Van Slyke's apparatus manometric	1
40	Gas analyser automatic for CO ₂ , O ₂ , N ₂	1
41	Douglas bag, complete	2
42	Basal metabolism apparatus	1
43	Mosso's Ergograph	10
44	Clinical thermometer (Mercury based instruments to be replaced with suitable alternative)	60
45	Compass aesthesiometer	20
46	Thermo-aesthesiometer	20
47	Algometer	20
48	Apparatus for passive movement	1
49	Knee hammer	40
50	Stethograph	20
51	Bicycle Ergometer	1
52	Olfactometer	1
53	Ophthalmoscope	1
54	Schematic eye	2
55	Phakoscope	1
56	Perimeter with charts (Lister's)	5
57	Color perception lantern Edridge green	2
58	Maddox rod	1
59	Newtons color wheel	1
60	Tuning fork to test hearing 32-10000 cps (sets-100,256,512hz)	20
61	Dynamometer	2
62	Otorhinolaryngoscope	1


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63	Sterilizer electrical	1
64	Instrument trolley	1
65	Stop watch	20
66	Multi channel Physiograph, 3 channels, complete with accessories	3
67	Student physiograph, (single channel) with accessories	8
68	Centrifuge, high speed with technometer	1
69	Colorimeter, photoelectric	1
70	pH meter electric	1
71	Refrigerator	1
72	Oxygen cylinder with trolley	1
73	CO2 cylinder with trolley	1
74	Electronic stimulator	1
75	Water distillation steel with spare heating elements	1
76	All glass distillation apparatus double stage	1
77	Voltage stabilizer	1
78	Thermometers, balances, microslides and glassware	As required
79	Digital Physiograph	2
80	Models and Charts	25 each
81	ECG Machine	3
82	Laptop	1
83	Desktop Computer, with Printer	3
84	Photocopier and Scanner	1
85	Multimedia Projector with screen	2
86	Electric time makers, 100/sec.	10
87	Erogograph Mosse's	10
88	Operation table	1
89	Volume recorders	8
90	Animal Weighing Machine, for small and big animals (for each)	40
91	Gas analysis apparatus, Haldane's students type	2
92	Venus and arterial canula (different sizes) (each	40
93	Smoking outfit, with fume cupboard	40
94	Varnishing outfit, for long and short papers	1


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95	Anaesthesia boxes.	5
96	Surgical instruments for operative procedures, syringes, pulleys	5
97	Dale's bath for internal organ Isolated Organs. Bath for students complete with liver etc.	30
98	Apparatus for passive movement	5
99	Kymograph paper etc.	As required
100	Stepdown transformers	1
101	All glass distillation apparatus double stage	1
102	Water distillation still, with spare heating elements	1
103	Perimeter Priestly Smith S/LP.984 B & T	10
104	Colour perception lantern Edridge Green	1
105	Maddox rod	1
106	Newtons colour wheel	1
107	Tuning forks to test hearing 32-10,000 cps (sets)	4
108	Dynamometer	2
109	Otorhinolaryngoscope	5
110	Clinical thermometer	30
111	Physiograph, 3 channels, complete with accessories	2
112	Physiograph, single channel, with accessories	8
113	Douglas bag, complete	6
114	Basal metabolism apparatus	1
Advanced Physiology Laboratory Instruments		
1	Polygraphs (16 Channel for Research)	2
2	Computerized Venous pressure apparatus	1
3	Spirometer, Computerized	4


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4	Digital Mosso's Ergograph	6
5	Thermo-aesthesiometer Computerized	5
6	Reaction timer Apparatus	2
7	rTMS Machine	1
8	Multi-channel digital Physiograph, 3 channels, complete with accessories	2
9	Student digital physiograph, (single channel)	6
10	AFT (Autonomics function testing)	1
11	ECG Machine 12 Channel	10
12	Advanced NCV Machine	1
13	Vibration Analyzer	1
14	Computerized assisted Learning software for physiology Dept. (The animal experiments included in the curriculum should be demonstrated through CAL, charts/photographs/models and videos)	1 Set of 10 User Lic Setup
15	Flicker Fusion Apparatus	1
16	Steadiness tester	1

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Prof. & Head,
Dept. of Physiology
Dr. Shankarrao Chavan Govt
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PHYSIOLOGY

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6	2	Tandon, O P	Best and Taylors Physiological Basis of Medical Practice	13	2012	
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9	5	Nitin A John	Chatterjees Human Physiology	13	2020	1
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14	2	Misra, U. K.	Clinical Neurophysiology	1	2004	
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23	5	Pal G K	Comprehensive Textbook of Medical Physiology	2	2019	1
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36	2	Molina, P E	Endocrine Physiology	6	2023	
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38	1	R Suresh	Essentials of Human Physiology	1	2013	
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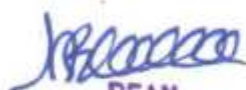


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