



Goals

The broad goal of teaching Physiology to the undergraduate students aims at providing the student

- comprehensive knowledge of the normal functions of the organ systems of the body
- To facilitate an understanding of the physiological basis of health and diseases.

Educational Objectives

- To describe the **normal functions** of all the **organ systems**, their regulatory mechanisms and interactions of the various systems for well - coordinated total body function.
- To understand **the relative contribution of each organ system** in the maintenance of the **milieu interior** (homeostasis).
- To explain the **physiological aspects of normal growth and development**. Analyse the physiological responses and adaptation to **environmental stresses**.
- To comprehend the **physiological principles underlying pathogenesis and treatment of disease**.
- To correlate **knowledge of physiology of human reproductive system** in relation to **National Family Welfare Program**.
- **Be able to conduct, interpret and distinguish** between normal and abnormal derived from experimental and investigative data
- **Acquire integrated knowledge** of organ function and its regulatory mechanisms

Curriculum

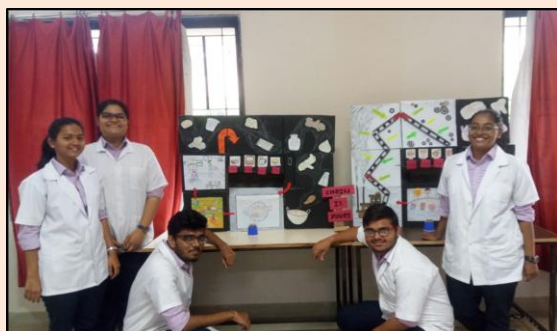
- The department follows the **NMC and MUHS, Nashik Curriculum guidelines** for undergraduate medical education.
- **New CBME curriculum** has been implemented from 2019, which includes
 - Orientation Program
 - Foundation Course
 - AETCOM

Student Support & Progression

- **ICT enabled** Lecture halls, Laboratory & Demonstration rooms supports & enhances teaching.
- **Special guidance for Slow Performers and Advanced Achievers** to improve their performance at examinations.
- **Self-directed Learning (SDL)** is facilitated by uploading further avenues / data for learning.
- Departmental **Models, Reel competitions, Seminars.**
- **Teaching hours and Vacations:** scheduled as per academic calendar of MUHS, Nashik
- **Continuous Internal Evaluation (CIE):**
 - i) Internal Assessment (IA) examinations
 - ii) Class Tests & Tutorials:
 - iii) OSPE
- **Online Classes & Exams:** were conducted during COVID pandemic
- **Research (STS)** – Students are motivated to take up short term research activities
- **Attendance** – Informed regularly to students and parents
- **Student's Feedback** – taken regularly for improvement of T-L methods
- **Mentorship program**
- **Parent-Teachers meeting**

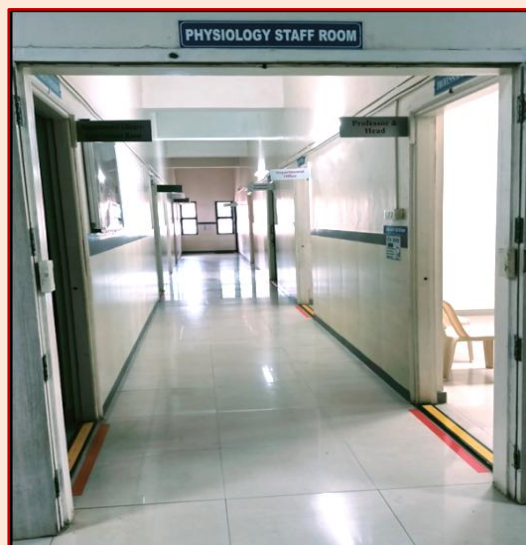
Seminar / Poster / Quiz	2017-18	2018-19	2019-20	2020-21	2021-22
Seminars (Integrated Seminars)	01	01	--	--	01
Poster/ Model Competition	--	01 (Aarogyam)	--	--	--
Value Added courses	--	01	01	03	01
Reel Competition	--	--	--	--	01

Aarogyam Health Competition / Exhibition



Infrastructure

Staff Room	No.	Area Sq.m
Professor & HOD	1	25
Professor	1	27
Associate Professor / Reader	2	17
Assistant Professor	1	27
Tutor	1	17
Non- teaching staff	1	17
Departmental Office	1	16
Departmental Library	1	35



Departmental Library

Physiology	Books	Titles
Central Library	616	173
Dept. Library	135	87
Journals	01	
e-consortia (Books & Journals)	Elsevier & DELNET e-consortia	



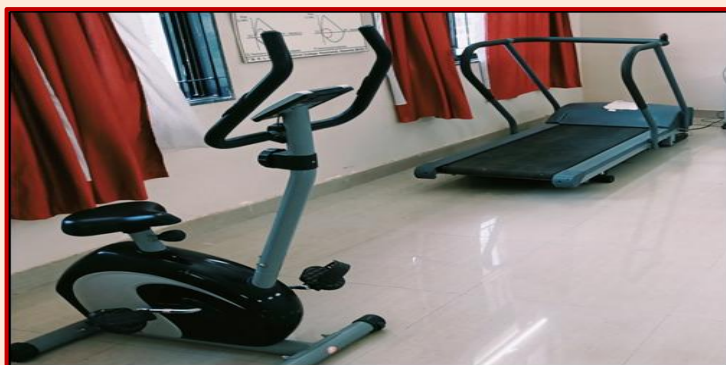
Equipment & Teaching Aids

All Equipment / Instruments for conducting Physiology Practical are available as per NMC norms

Specialized Equipment:

- Treadmill for VO₂ max assessment – 01
- Digital polygraph for Heart rate variability – 01
- Digital polygraph 4 channel – 02
- Audiovisual Reaction time – 01
- Bicycle ergometer – 04
- BMR apparatus – 01
- Mannequin - 03

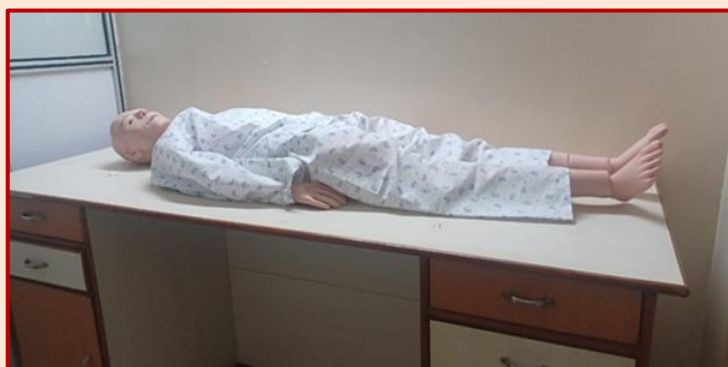
Treadmill & Bicycle Ergometer



Perimeter, Spirometer, Ergo graph



Mannequin

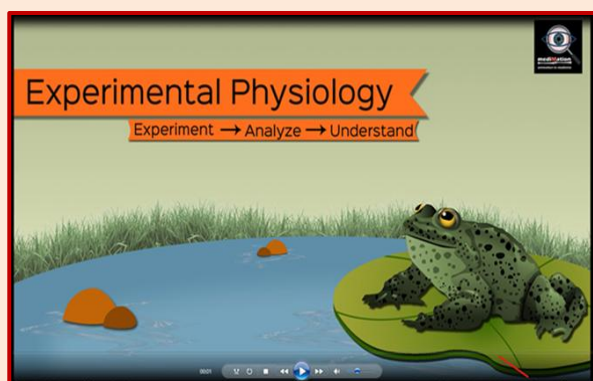


OSPE Lab



Teaching / Audio-visual Aids

- LCD projectors with screen – 03
(Clinical & Haematology Lab, Demo room)
- OHP projector – 01
- Mediation Animal Experiment Simulator – 01



Teaching - Learning

A student-centric teaching-learning approach is undertaken via

- Didactic Lectures
- Laboratory Practical / Demonstration
- Early Clinical Exposure
- Problem Solving - Case based learning
- Small Group discussion
- Poster / Reel Competitions
- AETCOM
- Class Tests / Tutorials

Governance & Leadership

➤ Best Practice:

- Institutional - SVJCT Dream Health Park
- Departmental - Regular Class Tests for I MBBS students

➤ Distinctiveness:

- Faculty as MUHS Inspector in other institutes
- Guest lecture given by faculty
- Faculty completed Advance Course in Medical Education
- Faculty with additional responsibilities in Institute
- Faculty conducts / participates continuously in Faculty development Programs
- Faculty participation in other Institutional activities

➤ SVJCT Dream Health Park (Institutional Best Practice)

Inauguration: 20th October 2018

- Padmavibhushan Dr. Anil Kakodkar & Padmavibhushan Dr. T. Ramasami

Concept:

- Dr. Suvarna Patil, Director, BKLWRMC

Designed & maintained by:

- Physiology Dept., BKLWRMC

Visits:

- by School / College / MBBS students & Visitors
- No. of visitors till date: α 5000



Faculty with additional responsibilities in Institute:

- Institutional Ethics Committee
- Central Research Laboratory
- Institutional Animal Ethics Committee
- Anti-ragging Committee & Anti-ragging Squad
- Medical Education unit
- Curricular Committee
- Alignment and Integration Committee
- Library Committee
- Student Council Committee
- Psychological Counselling committee
- Carrier Guidance committee

Faculty conducts / participates continuously in Faculty development Programmes:

- CME
- RBCME
- CISP
- BCBR

Faculty participates in various Institutional activities:

- Foundation Course for 1st MBBS students
- Sports & Cultural events
- NAAC activities

Infrastructure Learning Resources

Sr. No.	Laboratories - 03	Size sq.m	Capacity
i)	Human lab – with Teaching area & Preparation rooms a) Clinical lab b) Hematology lab - 2 Preparation rooms: each	245 210 14	10 beds 60 3 areas
ii)	Amphibian / OSPE lab with Prep. area	202	60
iii)	Research Lab	68	
2.	Demonstration Room - 01	67	60

Clinical Laboratory



Demonstration Room

