

## **DEPARTMENT OF PHYSIOLOGY**

Physiology is one of the preclinical and basic sciences department. It is one of the subjects for phase I MBBS students. The department started from the inception of the college.

### **HIGHLIGHTS**

There are 5 laboratories in the department namely

1. Hematology lab
2. Clinical physiology lab
3. Amphibian lab
4. Mammalian lab
5. Research lab.

Each lab has a facility to accommodate 75 students at a time.

### **HEMATOLOGY LAB**

The hematology lab is where the 1<sup>st</sup> MBBS students conduct hematology tests like RBC count, WBC count, Differential Leucocyte count, hemoglobin estimation, blood grouping and typing etc, as part of their hematology practical sessions.

### **CLINICAL PHYSIOLOGY LAB & MAMMALIAN LAB**

The clinical physiology lab and mammalian lab are utilized for practical sessions concerned with examination of the various systems namely, Cardiovascular system, Respiratory system, Nervous system and Abdomen examination, which form the foundation for clinical examinations in general medicine, pediatrics.

### **RESEARCH LAB**

We have a research lab with state of the art facility comprising of equipments and instruments like Polygraph, Spirometer, Perimeter, Physiograph, Ergometer etc. We encourage undergraduate students and faculties to undertake research activities.

### **DEMONSTRATION ROOM**

There are 2 demonstration rooms each with a seating capacity of 50 students with audio visual aids to engage the students during practical sessions, clinical demonstrations, small group teachings, case scenario based discussions.

### **LIBRARY**

There is a library within the department with around 100 textbooks (physiology and clinical subjects) which is being used by the students and the faculties for reading.

### **ACADEMIC SESSION:**

Every academic year 150 undergraduate students will be trained effectively by

- ✚ Didactic Lectures
- ✚ Practicals (Hematology + Clinical Examination + OSPE + OSCE)
- ✚ Small-Group Teaching Sessions
- ✚ Student Symposium
- ✚ Self Directed Learning
- ✚ Integrated Teaching with other Departments

- ✚ Early Clinical Exposure - First MBBS students will be introduced to the patients and various Clinical Departments
- ✚ Problem Based Learning
- ✚ Formative and Summative assessments
- ✚ Roleplay
- ✚ AETCOM (Attitude, Ethics and Communication)

The candidates will be periodically assessed by Internal Assessments (Theory & Practicals). The performance of the First MBBS students will be intimated to their Parents / Guardians periodically.

- Physiology is also one of the basic sciences for 2 allied health sciences courses namely, B.Sc. Operation Theatre & Anaesthesia Technology & B.Sc. Radiography & Imaging Technology.
- Theory classes and practical sessions are conducted as per their syllabus on every Friday.

### **ACADEMIC ACTIVITIES**

- The large group and small group teachings are scheduled as per the weekly planner issued by the Tamilnadu Dr.MGR Medical University, in accordance with the CBME guidelines, 2024.
- Students are encouraged and trained to participate in the state level physiology UG quiz competition that is held every year in various medical colleges.

### **CME / ACADEMIC EVENTS CONDUCTED**

- The Department of Physiology along with Medical Education Unit conducted a CME on “United for Mental Health: Breaking down silos” along with a model exhibition “Physiology Promenade” in the month of March 2025.
- A mock quiz competition “GASTROQUEST’25” was conducted within the phase I MBBS students as a preparation for the state level UG quiz competition.















