



VINAYAKA MISSION'S  
**KIRUPANANDA VARIYAR  
MEDICAL COLLEGE & HOSPITALS**



**Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals**  
(A Constituent College of Vinayaka Mission's Research Foundation, Deemed to be University)

☎: 0427 - 3500800, Seeragapadi, Ariyanoor, Salem - 636 308.



**Academic  
Calendar**

**I MBBS (2024 Batch)  
Syllabus & Curriculum**



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**Mrs. Annapoorani Shanmugasundaram,**  
Trustee  
Vinayaka Mission's Research Foundation (DU),  
Salem.

**Dr. A. Shanmugasundaram,**  
Founder Chancellor  
Vinayaka Mission's Research Foundation (DU),  
Salem.



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KIRUPANANDA VARIYAR  
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**Hon'ble Dato'Seri Dr. S. Sharavanan,**  
**Chairman**



VINAYAKA MISSION'S  
KIRUPANANDA VARIYAR  
MEDICAL COLLEGE & HOSPITALS



**Shri. Gokul Krishnan Sharavanan,**  
**LL.B, LL.M, BAR-AT-LAW**  
**Executive Director**  
**Campus Development (VMKVMC Campus),**  
**Vinayaka Mission's Research Foundation (DU),**  
**Salem.**

# INSTITUTIONAL ORGANOGRAM



**Prof. Dr. K. Ezhil Vendhan,  
Dean  
Professor of Ophthalmology**



**Prof. Dr. S.R. Ranga Bashyam,  
Medical Superintendent  
Professor of General Medicine**



**Prof. Dr. Deepti Shastri,  
Deputy Dean  
Professor of Anatomy**



**Prof. Dr. E.M.J. Karthikeyan,  
Director, Hospital Development Committee  
Professor of General Surgery**



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**SALEM – 636308.**

**Vinayaka Mission's Research Foundation  
(Deemed to be University)**

**Academic Calendar  
and  
Syllabus & Curriculum  
I MBBS (2024 Batch)**

**Website : [www.vmkvmc.edu.in](http://www.vmkvmc.edu.in)**

## HISTORY OF THE COLLEGE

Vinayaka Mission's Kirupananda Variyar Medical College is located in Salem, Tamilnadu and strives for achieving academic excellence. It was started in the year 1995-96, and was affiliated to the Tamilnadu Dr. MGR Medical University. In 2004-05 it became a constituent unit of Vinayaka Mission's Research Foundation (Deemed to be University) (VMRF-DU), Salem, Tamilnadu. Eligible students are admitted by counseling after NEET examination.

The Institution has a limpid vision of providing service to the humanity at large, by making available, the best form of health care possible in the world to the local community.

### **Vision:**

To be a centre of excellence in medical education, research, and healthcare, committed to nurturing leaders who are driven by innovation, compassion, and a deep-rooted dedication to the well-being of humanity.

### **Mission:**

To be a transformative force in medical education, research, and healthcare by:

1. Providing world-class medical education that cultivates competence, ethical practice, and social responsibility among healthcare professionals.
2. Fostering a diverse and inclusive community that drives collaborative research, pioneering innovations, and translates knowledge into practical solutions for societal advancement.
3. Establishing a comprehensive healthcare ecosystem in rural community, ensuring accessible, affordable, and equitable medical services for all.
4. Collaborating with local, national, and global partners to address unique healthcare challenges in rural communities, while developing sustainable, community-centric models of care.

## FACILITIES

The unitary campus houses a teaching hospital and hostels with adequate space for future expansion.

**INFRASTRUCTURE :** The infrastructure is adequate and is designed to create a learning atmosphere. All the departments specified under the NMC are available as per norms. They are spacious and well furnished. Information Communication Technology (ICT) enabled air-conditioned lecture halls with the necessary equipments and latest teaching aids are available. The Phase I and Phase II clinical departments have updated laboratories which periodically undertake Internal and External Quality Assurance evaluations.

The campus houses separate blocks for the college, hospitals and hostels. College blocks accommodate Phase I and Phase II clinical departments with Gallery type A/C lecture halls with audiovisual aids like LCD, Smart boards, etc., and well equipped labs, seminar halls & demonstration rooms in each department.

### **PHASE I DEPARTMENTS**

Anatomy  
Physiology  
Biochemistry

### **PHASE II DEPARTMENTS**

Pathology  
Microbiology  
Pharmacology

## HOSPITAL

The hospital is 810 bedded with world class facilities with all innovative and sophisticated state-of-the-art equipment and technology. Highly qualified and experienced health care personnel manage the hospital.

The student is tuned to gain indepth knowledge in medical subjects through the use of appropriate and innovative participatory teaching techniques using the latest tools and inputs.

### **PHASE III CLINICAL DEPARTMENTS**

#### **Medicine & Allied Subjects**

Forensic Medicine & Toxicology  
Community Medicine  
General Medicine  
Paediatrics  
Psychiatry  
Dermatology, Venereology & Leprosy  
Emergency Medicine

#### **Surgery & Allied Subjects**

Ophthalmology  
Otorhinolaryngology  
General Surgery  
Orthopaedics  
Obstetrics & Gynaecology  
Anaesthesia  
Radiodiagnosis

### **SUPER-SPECIALTY DEPARTMENTS**

- Surgical Oncology
- Cardiology
- Urology
- Nephrology
- Neuro Surgery

### **OTHER FACILITIES**

- A/C auditorium with a seating capacity of 750
- Separate common rooms for boys & girls.
- Printing, Scanning & Photocopying facilities are available in the library. Question bank is also available.
- The campus is wifi enabled.
- 2 cafeterias are available in the campus which provide the students with tasty & hygienic multicuisine food (Indian, Chinese etc.).
- A stationery and novelty store in the hospital and in hostel premises provide all the necessary items to students and staff.
- 2 Examination halls with 250 capacity each are available.

**LIBRARY:** Automated library with RFID is available. An upgraded library with the latest collections of books and journals in addition to internet facilities is available.

Central library with 9354 titles is open from 8 am to 8 pm. Separate reference, journals (75 Indian & 34 Foreign) and Internet sections with 40 computers are present & easily accessible to students & faculty.

**HEALTH CENTRE:** The VMKV Medical College & Hospitals runs Urban and Rural Health Centre by the Community Medicine Department. In addition, two Government Primary Health Centres are also attached to the institution.

**MENTORSHIP:** Well qualified and dedicated faculty, facilitate learning and address the issues of students through a Mentorship Programme. Progress of students is monitored longitudinally by the mentors with Student Mentorship Report Card. Measures are taken to prevent ragging / Student harassment / Depression / Substance abuse.



**RESEARCH:** The Institution provides a good research ambience for conduct of research studies and quality health surveys. National (ICMR) and International (WHO) collaborative studies are conducted by the faculty members as well as a few medical students. The faculty and students are deputed frequently to Scientific Conferences and Workshops.

**POSTGRADUATE PROGRAMMES** in Anaesthesiology, Anatomy, Biochemistry, Community Medicine, DVL (Dermatology, Venereology & Leprosy), Emergency Medicine, General Medicine, General Surgery, Microbiology, Obstetrics and Gynaecology, Ophthalmology, Orthopedics, Otorhinolaryngology, Paediatrics, Pathology, Pharmacology, Physiology, Psychiatry, Radiodiagnosis and Transfusion Medicine are being conducted.

**EXTRACURRICULAR ACTIVITIES:** Variyar Sporters - Play grounds with best and modern synthetic basket-ball court, volley-ball, cricket, hockey, foot-ball, badminton, throw ball, tennikoit and running track and Indoor games for table tennis & carrom facilities are available for the students. Sports kits for both outdoor and indoor games are available.

Intramural, intercollegiate and interuniversity competitions provide an opportunity for physical fitness.

**STUDENT AMENITIES :** State of the Art, well equipped GYM, Mart for home supply, Branded Saloon and Food & Beverages outlet are available.

**STUDENT SUPPORT PROGRAMMES** like Students Council, Students Grievance Redressal Cell, Seminars, Symposia, CME, Small Group Teaching, Slow and Advanced Learners programme, Student Mentorship Programme are available. Meritorious students get recognition in the form of awards and medals.

**ALUMNI ASSOCIATION** of the Institution is strong and helps the students to upgrade their knowledge with scientific updates. Career Guidance counseling is provided for the students.

The Vinayaka Missions group of Institutions having reached the path of academic excellence will continue to strive for global sustenance.

### **PLEDGE**

We, the students of Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem pledge that

- I, \_\_\_\_\_ (name), being admitted to the study of medicine – the art of healing, shall dedicate myself totally to uphold and contribute productively to the nobility of the profession.
- I shall use my education & knowledge to acquire the ability to look into the present and future health needs of our country as well as that of the world.
- I shall strengthen the core values of our national ethos, healthy living, liberty, unity in diversity, truth and common good in all my endeavours.
- I shall treat my parents, peers, teachers and elders with great respect.
- I shall show empathy and concern to the sick patients, dotards & down trodden people.
- I shall consider all men as equal and “the plurality and multiethnicity” woven India's secular fabric, shall become my ‘preferred priority’ while interacting with others.
- I shall remember the great leaders of our nation, abide by their teaching and steadfastly work hard towards the institution's mission to build a stronger nation through medical education.

## **THE COLLEGE ANTHEM**

Vinayaka thy name is the glory  
Vinayaka thy saga divine  
Vinayaka a star in the sky  
A ray of hope through troubled times

Vinayaka thy legacy unfathomed  
Vinayaka thy medicos shine  
Vinayakans they'll be there through turbid times  
Duty to them is blessing divine

Vinayakans have the heart of the winner  
They stand united together as one  
They are the winners under the sun  
Winners under the sun

## **RULES AND REGULATIONS OF THE COLLEGE**

### **I. GENERAL :**

- a) No meeting or demonstration should be held in the premises of College / Hospital and Hostels.
- b) Students are forbidden to take part in Political Agitations, Strikes and Demonstrations.
- c) Students are required to observe discipline and be punctual for all Theory & Practical / Clinical classes.

### **Code of Conduct for Students :**

Vinayaka Mission's Kirupananda Variyar Medical College and Hospitals, Salem has derived and drafted the following proposed Code of Conduct for the Students.

- The Student Code of Conduct sets out the standards of conduct expected of students. It holds individuals and groups responsible for the consequences of their actions. Failure to fulfill these responsibilities may result in the withdrawal of privileges or the imposition of sanctions.
- The Institution is a community of students, faculty and staff involved in learning, teaching, research and other activities.
- The student members of this community are expected to conduct themselves in a manner that contributes positively to an environment in which respect, civility, diversity, opportunity and inclusiveness are valued, so as to assure the success of both the individual and the community.
- The Student Code of Conduct reflects a concern for these values and tries to ensure that members of the Institution/University and the public can make use of and enjoy the activities, facilities and benefits of the Institution without undue interference from others.

### **When does the code apply?**

- The Student Code of Conduct applies to any student enrolled in UG/PG at the Institution/University, and including exchange students.
- The Code applies to conduct that occurs on the campuses or near the premises of Vinayaka Mission's Kirupananda Variyar Medical College and Hospitals, Salem.

- It also applies to conduct that occurs elsewhere if it is related to Institution sponsored programs or activities, (such as travelling athletic teams) or if it occurs in the context of a relationship between the student and a third party that involves the student's standing, status or academic record at the Institution/University.

It does not apply to conduct that is assigned to another disciplinary body at the Institution/University, allegations regarding a student's failure to meet standards of professional conduct, or conduct committed by a student solely in his or her capacity as an employee of the Institution/University.

### **Prohibited conduct**

- Assaulting, harassing, intimidating, or threatening another individual or group is a crime
- Endangering the health or safety of others
- Stealing, misusing, destroying, defacing or damaging Institution property or property belonging to someone else
- Disrupting Institution activities
- Using Institution facilities, equipment, services or computers without authorization
- Making false accusations against any member of the Institution
- Supplying false information to the Institution / University or forging, altering or misusing any Institution document or record
- Using, possessing or distributing illegal drugs
- Violating government liquor laws or Institution alcohol policies
- Ragging of any kind
- Encouraging, aiding, or conspiring in any prohibited conduct
- Failing to comply will be met with a disciplinary measure or disciplinary measures imposed under the procedures of this Code

### **Disciplinary measures**

- Disciplinary measures that may be imposed under the Code include but are not limited to:  
Written warning or reprimand
- Probation, during which certain conditions must be fulfilled and good behaviour must be exhibited
- Payment of costs or compensation for any loss, damage or injury caused by the conduct
- Issuance of an apology, made publicly or privately
- Loss of certain privileges
- Restriction or prohibition of access to, or use of, Institution facilities, services, activities or programs
- Fines or loss of fees
- Relocation or exclusion from hostel
- Suspension
- Expulsion

## II. COLLEGE RULES :

- a. **ATTENDANCE:** Students should be punctual to the hospital and college and should have a minimum attendance of 75% in theory and 80% in practical in each subject to appear for University Examination. Students who lack the minimum prescribed attendance in any one subject will not be permitted to write the examination. However, the Vice Chancellor has the discretionary power to allow a condonation of shortage of attendance upto a maximum of 10% in the prescribed minimum attendance for admission to an examination. A candidate lacking in attendance should submit an application in the prescribed form, endorsed by the Head of the Department / the Head of the Institution to the Vice Chancellor for approval for admission to the examination. Every student must have cleared all the arrears of fees in Hostel, Mess and College and must get a “No Due” certificate from the Deputy warden of the Hostel and Deputy Dean before submitting the application for University Examination.
- b. **LEAVE :** Students should avail leave only with the previous sanction of the Head of the Department. When leave is availed for unforeseen causes the application must be made available soon after availing the leave. Leave letter on medical grounds should always accompany a medical certificate by a medical officer. The copy of the leave letter will be sent to the parent for endorsement if needed.
- c. **DAMAGES:** Students should pay for any breakage / loss in the laboratories.
- d. **FEES :** The Examination application of students will not be forwarded to the University in case of any dues with regard to Tuition Fees, Mess Fees and Hostel Fees or any other arrears.
- e. **EXAMS:** In each department 2 Internal Assessment examinations and 1 Model examination will be conducted for both Theory and Practical and will be considered for eligibility for University Examinations. Eligible students will appear for the University Examinations at the end of the Professional Training.
- f. **RECORDS:** Practical record note books, log books and books for SDL, AETCOM, Foundation Course, FAP & ECE should be completed & submitted in time.
- g. **CELL PHONE** usage is prohibited during class hours (theory/practical/clinics). If cell phones were to be found being used during class hours, they would be confiscated.

## III. DRESS CODE :

- Formal wear for both girls and boys (avoid fluorescent and flashy colored pants / Jeans / Shorts / T-shirts).
- Girls should tie their hair up & wear cut shoes; avoid bracelets, finger rings, anklets & flowers.
- Nails should be trimmed & not painted.
- Students are expected to wear decent footwear, preferably shoes while attending class, practical, wards, OPDs and other sections of college and hospital.
- Hair should be trimmed & boys should be clean shaven (face).
- Half sleeved white coat should be worn inside the college campus.

#### **IV. ANTI RAGGING REGULATIONS :**

##### **INTRODUCTION**

This Regulation has been brought forth by the University Grants Commission in consultation with the Councils to prohibit, prevent and eliminate the scourge of ragging.

UGC REGULATIONS ON CURBING THE MENACE OF RAGGING IN HIGHER EDUCATIONAL INSTITUTIONS, 2009.

(under Section 26 (1)(g) of the University Grants Commission Act, 1956)

##### **OBJECTIVES**

To eliminate the Attitude of Ragging, the following understanding of the term “Ragging” is of prime importance. Ragging is inclusive of any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student or indulging in rowdy or indisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country and thereby, to provide for the healthy development, physically and psychologically of all students.

##### **WHAT CONSTITUTES RAGGING**

Ragging constitutes one or more of any of the following acts carried out in any area inside or outside the College Campus.

- A. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;
- B. Indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
- C. Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- D. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
- E. Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- F. Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
- G. Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

- H. Any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;
- I. Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

#### **ADMINISTRATIVE ACTION IN THE EVENT OF RAGGING**

Anyone found guilty of ragging and/or abetting ragging, whether actively or passively, or being a part of a conspiracy to promote ragging, is liable to be punished in accordance with these Regulations as well as under the provisions of any penal law for the time being in force.

The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed herein under:

- A. The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.
- B. The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments :-
  - i. Suspension from attending classes and academic privileges.
  - ii. Withholding/ withdrawing scholarship/ fellowship and other benefits.
  - iii. Debarring from appearing in any test/ examination or other evaluation process.
  - iv. Withholding results.
  - v. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
  - vi. Suspension/ expulsion from the hostel.
  - vii. Cancellation of admission.
  - viii. Rustication from the institution for period ranging from one to four semesters.
  - ix. Expulsion from the institution and consequent debarring from admission to any other institution for a specified period.

**All the students will be submitting Anti-Ragging affidavit through online portal.**

**Mobile inspection squads have been formed in the institution to carry out surprise visits in hostels, college campus and during transport.**

**Website: <https://antiragging.in>**

#### **INTERNAL COMPLAINTS COMMITTEE (ICC):**

A Robust ICC is established in our institution. The VISHAKA guidelines for dealing with cases that are related to sexual harassment at work place are followed.

**Website : <https://www.vmkvmc.edu.in/Icc.php>**

## **LIBRARY RULES & REGULATIONS**

### **1. Working Hours:**

a. The library is kept open from 8.00 a.m. to 8.00 p.m. on all working days.

### **2. Membership:**

1. The Library is open to all students and members of the staff of the college and hospitals.
2. Outsiders and students who have left the college, dismissed or under suspension cannot have the privilege of using the library except with the special permission of the Dean.

### **3. Issue and Return of books:**

No student will be allowed to take books or journals outside the library.

### **4. Do's & Don'ts:**

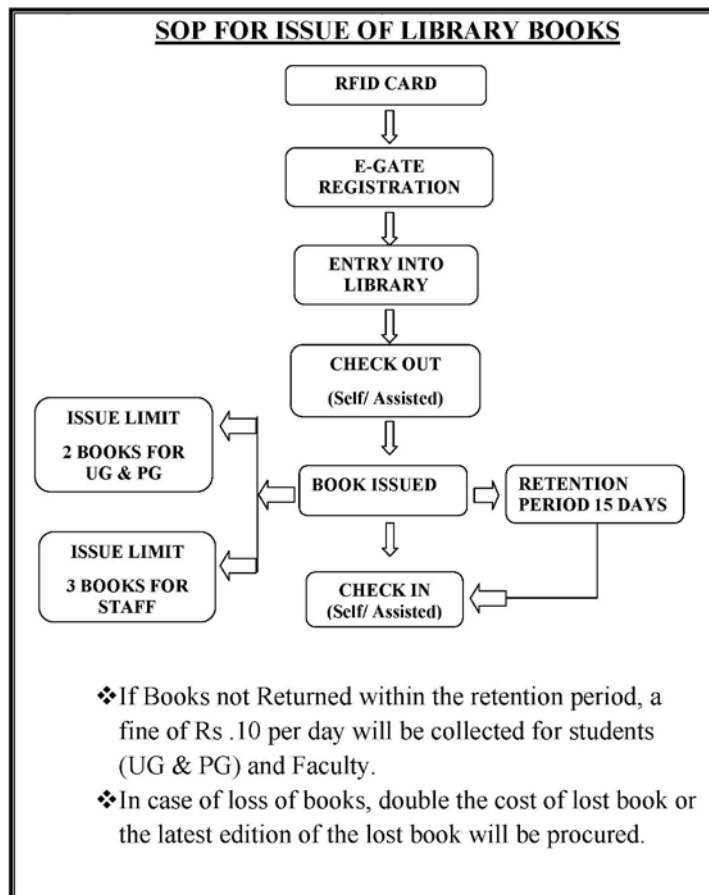
1. Students must use only the allotted space for studying
2. Strict silence must be maintained inside the library
3. Students wishing to use the computer terminals should obtain permission of the librarian. Use of computers must be for academic purpose only and not for entertainment.

### **5. Photocopier Facility:**

Students can use the photocopying facility for the required academic materials after permission and payment to the Librarian.

### **6. Mobile phones:**

Use of mobile phones in the library is not permitted.



**Vinayaka Mission's Research Foundation (Deemed to be University)**

**Administrators**

- **CHANCELLOR** : Dr. A.S. Ganesan
- **CHAIRMAN** : Dato' Seri. Dr. S. Sharavanan
- **VICE PRESIDENTS** : Dr. (Mrs.) Anuradha Ganesan  
Mr. J. S. Sathishkumar  
Mr. N. V. Chandrasekar
- **DIRECTORS** : Datin' Seri. Mrs. Kamatchi Sharavanan  
Mr. K. Jaganathan  
Mr. N. Ramaswamy
- **EXECUTIVE DIRECTOR,  
Campus Development (VMKVMC Campus)** : Shri. Gokul Krishnan Sharavanan
- **VICE CHANCELLOR** : Prof. Dr. P.K. Sudhir
- **PRO VICE CHANCELLOR** : Prof. Dr. J. Sabarinathan
- **REGISTRAR** : Prof. Dr. A. Nagappan
- **DIRECTOR (ACADEMICS)** : Dr. A. Rajan Samuel
- **CONTROLLER OF EXAMINATIONS** : Dr. K. Manivannan
- **DIRECTOR (STUDENTS WELFARE)** : Prof. Dr. R.S. Shanmuga Sundaram
- **DIRECTOR (ADMISSIONS)** : Mrs S. Santhana Lakshmi @ Shanthi



### Hospital & College Administrators

- **DEAN** : Prof. Dr. K. Ezhil Vendhan, M.S.,
- **MEDICAL SUPERINTENDENT** : Prof. Dr. S.R. Rangabashyam, M.D.,
- **DEPUTY DEAN** : Prof. Dr. Deepti Shastri, M.S., MNAMS,
- **DIRECTOR, HOSPITAL DEVELOPMENT COMMITTEE** : Prof. Dr. E.M.J. Karthikeyan, M.S.,
- **RMO (Residential Medical Officer)** : Dr. K. Soundararajan, M.S.,

### Phase I MBBS - Administrators

- **PROFESSOR & HOD OF ANATOMY** : Dr. K.C. Shanthi, M.S.,  
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drshanthikcanat@vmkvmc.edu.in
- **PROFESSOR & HOD OF PHYSIOLOGY** : Dr. V. Suganthi, M.D.,  
9443908855  
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- **PROFESSOR & HOD OF BIOCHEMISTRY** : Dr. D. Ponnudhali, M.D.,  
9791842440  
drponnudhalibio@vmkvmc.edu.in
- **ACADEMIC COORDINATOR** : Dr. R. Sudha, M.D., Ph.D.,  
Professor of Biochemistry,  
9894401792  
drsudharbio@vmkvmc.edu.in
- **STUDENT MENTORSHIP PROGRAMME COORDINATOR** : Prof. Dr. C.K. Vijayasamundeeswari, M.D.,  
Professor of Biochemistry,  
98948 94445  
drvijayasamundeeswaribio@vmkvmc.edu.in

**Supporting Staff**

- **LIBRARIAN** : Dr. R. Kathirvel
- **DEPUTY WARDEN (MALE)** : Mr. S. Syed Liyakath Ali  
**(Vikram Sarabhai Hostel)** Mr. B. Lakshmanan
- **DEPUTY WARDEN (MALE)** : Dr. C. Arul Prakash  
Mr. R. Sivabalan
- **DEPUTY WARDEN - VIPQ** : Dr. K.S. Nanthivarman  
Dr. Shebin Christin I.  
Mr. A. Vadivelu
- **DEPUTY WARDEN (FEMALE) –** : Dr. Reena Rajan  
**Kirupa Hostel**
- **ASSISTANT WARDEN (FEMALE)** : Mrs. Geetha
- **STUDENT MANAGER** : Dr. J. Shantha Ruban
- **OFFICE SUPERINTENDENT** : Mr. P. Dhanasekaran
- **PRO** : Mr. T. Suresh
- **PROPERTY MANAGER** : Mr. S. Ganesan
- **FACILITY MANAGER** : Mr. A. Kumar
- **CLINICAL PSYCHOLOGIST** : Ms. S. Jayashree

## ANTI - RAGGING COMMITTEE 2023-2024

Sl. No	Name of the Member	Role in the Committee	Contact No/ Mail ID
1.	Prof. Dr. K.Ezhil Vendhan Dean	Chairperson	96552 18468 <a href="mailto:dean.vmkvmc@vmu.edu.in">dean.vmkvmc@vmu.edu.in</a>
2.	Dr. S.R.Ranga Bashyam Medical Superintendent	Convenor	98941 87784 <a href="mailto:rangabashyamsr@yahoo.in">rangabashyamsr@yahoo.in</a>
3.	Dr. K. Anbu Lenin Professor, Dept of Pathology	Member Secretary	99442 43745 <a href="mailto:dranbulenin@gmail.com">dranbulenin@gmail.com</a>
4.	Dr. S. Sasikumar Professor, Dept of Forensic Medicine	Co-Member Secretary	8220496604 <a href="mailto:sasikumarfm@gmail.com">sasikumarfm@gmail.com</a>
5.	Mr. D.M. Senthil Kumaar Civil Advocate	Member	94432 41591
6.	Tmt.B.Vijayakumari, I.P.S Commissioner of Police, Salem (Dt)	Member	0427-2211234, 0427-2224000
7.	Tmt. P.Indarani Police Administration Sub-Inspector of Police (Attayampatti)	Member	94481 00983
8.	Mr. R.S.Senthil Nathan Local Media	Member	93615 03000
9.	Mr. Yuvaraj Non-Govt Organization Blessing Youth Mission	Member	99437 56835 <a href="mailto:yuvaraj.bym@gmail.com">yuvaraj.bym@gmail.com</a>
10.	Mrs. Devika Non-Govt Organization Bharathiyar Malaival Makkal Nalvalu Sangam	Member	97870 88088 <a href="mailto:devikafaith@gmail.com">devikafaith@gmail.com</a>
11.	Dr. Deepti Shastri Representative of Faculty Deputy Dean	Member	98427 24197 <a href="mailto:deeptishastrimukherjee@gmail.com">deeptishastrimukherjee@gmail.com</a>
12.	Dr. Karthikeyan E.M.J. Representative of Faculty Director, Hospital Development Committee	Member	98422 56564 <a href="mailto:emjkarthik@yahoo.co.in">emjkarthik@yahoo.co.in</a>
13.	Dr. G. Prema Priya Representative of Faculty Professor, Obs. & Gyn.	Member	99769 04850 <a href="mailto:drgpremapyiyabg@vmkvmc.edu.in">drgpremapyiyabg@vmkvmc.edu.in</a>
14.	Dr. J.Sridhar Representative of Faculty Prof.,& Head, Surgery	Member	98430 96700 <a href="mailto:drsridhar2002@yahoo.com">drsridhar2002@yahoo.com</a>
15.	Dr. B.Vignesh Coordinator Red cross & Red Ribbon Club Asst. Professor of IHBT	Member	88383 33966 <a href="mailto:dr.vignesh07@gmail.com">dr.vignesh07@gmail.com</a>

16.	Dr. Lovling Aarthy Maria Coordinator NSS, Program officer, Asst. Prof., Community Medicine	Member	988453 5007 lovlingaarthy.maria@gmail.com
17.	Dr. R. Sudha Academic Coordinator, I MBBS, Professor, Biochemistry	Member	98944 01792 sudhabharani76@gmail.com
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**PREVENTION OF SEXUAL HARASSMENT IN WORK PLACE (POSH)  
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**Vinayaka Mission's Research Foundation (Deemed to be University)**

**Program Outcome**

Program Outcomes	At the end of the M.B.B.S Program, the student will be a:
PO1	<b>Clinician</b> who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
PO2	<b>Leader</b> and member of the health care team and system with capabilities to collect, analyze, synthesize and communicate health data appropriately.
PO3	<b>Communicate with patients</b> , families, colleagues, and community in a methodological and skillful way using various approaches in family visits, family adoption program, clinic-social cases, clinical cases and AETCOM training programs.
PO4	<b>Lifelong learner</b> committed to continuous improvement of skills and knowledge.
PO5	<b>Professional</b> , who is committed to excellence, is ethical, responsive and accountable to patients, community and profession and society. Training of humanities and social sciences will be useful for this training.
PO6	<b>Critical Thinker</b> who demonstrates problem solving skills in professional practice
PO7	<b>Researcher</b> who generates and interprets evidence to ensure effective patient care as well as contribute in the field of medical research and practice.

## Course Outcome

### Anatomy

Course Outcomes	At the end of the course, the student will be able to:
CO 1	Describe and demonstrate the gross and microscopic structure and development of human body.
CO 2	Discuss the normal regulation and integration of the functions of the organs and systems on basis of the structure and genetic pattern.
CO 3	Discuss the clinical correlation of the organs and structures involved and interpret the anatomical basis of the disease presentations.

### Physiology

Course Outcomes	At the end of the course, the student will be able to:
CO1	Describe and demonstrate the normal functioning of the organs and organ systems of the body
CO2	Discuss and describe the contribution of each organization towards maintenance of Homeostasis.
CO3	Explain age-related physiological changes in the organ functions that reflect normal growth and development
CO4	Explain the physiological basis of diseases.

### Biochemistry

Course Outcomes	At the end of the course, the student will be able to:
CO1	Describe and demonstrate biochemical and molecular processes involved in health and disease.
CO2	Describe and demonstrate importance of nutrition in health and disease.
CO3	Describe and demonstrate biochemical basis and rationale of clinical laboratory tests and demonstrate ability to interpret these in the clinical context.

**AETCOM :**

Course Outcomes	At the end of the course, the student will be able to:
CO 1	Discuss and apply principles of bioethics and law as they apply to medical practice and research and apply the principles of clinical reasoning as they apply to the care of the patients.
CO 2	Describe and apply the principles of system based care as they relate to the care of the patient.
CO 3	Explain and apply empathy and other human values to the care of the patient.
CO 4	Communicate effectively with patients, families, colleagues and other health care professionals.
CO 5	Discuss the strengths and limitations of alternative systems of medicine.
CO 6	Respond to events and issues in a professional, considerate and humane fashion.
CO 7	Translate learning from the humanities in order to further his / her professional and personal growth.

***Medical education does not exist to provide students with  
a way of making a living, but to ensure the health of the community  
- Rudolf Virchow***

## COURSE DESCRIPTION

Every MBBS student shall undergo a period of certified study extending over 4½ academic years followed by one year of CRMI (Compulsory rotating medical internship).

The period of 4½ years is divided into three phases as follows:

### **I.1. Phase I :**

**Phase-I of 12 months including Foundation Course of two weeks and university exams.**

It shall consist of - Anatomy, Physiology, Biochemistry, Introduction to Community Medicine, Humanities, Attitude, Ethics & Communication (AETCOM) module, family adoption programme through village outreach where-in each student shall adopt minimum of three (03) families and preferably at least five (05) families, simulation-based learning, early clinical exposure, alignment & integration and pandemic module integrated.

### **I.2. Phase II :**

**Phase-II of 12 months including university exams.** It will consist of Pathology, Pharmacology, Microbiology, family visit under Community Medicine, General Surgery, General Medicine, Obstetrics & Gynaecology, AETCOM module, Forensic Medicine & Toxicology, alignment & integration and introduction to clinical subjects. Family Adoption Programme through village outreach where-in each student shall continue to follow up and provide necessary services under the supervision. Pandemic module integration & simulation-based learning to be continued with increasing complexity.

The clinical exposure to learners will be in the form of learner-doctor method of clinical training in all phases. The emphasis will be on primary, preventive and comprehensive health care. A part of training during clinical postings shall take place at the primary level of health care. It is desirable to provide learning experiences in secondary health care, wherever possible. This will involve:

Experience in recognizing and managing common problems seen in outpatient, inpatient and emergency settings,

- Involvement in patient care as a team member,
- Involvement in patient management and performance of basic procedures.

### **I.3. Phase III : 30 months**

**a. Phase III Part I (12 months, including University exams)** Forensic Medicine and Toxicology, Community Medicine, Medicine & allied subjects, Ophthalmology, Otorhinolaryngology (ENT), Surgery & allied subjects, Paediatrics, Obstetrics & Gynaecology, Radiodiagnosis, Anaesthesiology, AETCOM, Pandemic module integration, alignment & integration and Clinical postings. Family Adoption Programme through village outreach and simulation- based learning to be continued with increasing complexity.

**Electives (1 month)** shall be in 2 blocks of 15 days each in Phase III part II. First 15 days block starts after annual exam of Phase III MBBS part 1 and 2nd block after the end of 1st elective.

**b. Phase III Part II (18 months, including University exam)**

Subjects include: Medicine and allied specialties (General Medicine, Psychiatry, Dermatology, Venereology and Leprosy (DVL), Surgery and allied specialties (General Surgery, Orthopaedics, Anaesthesiology and Radiodiagnosis), Obstetrics and Gynaecology (including Family Welfare), Paediatrics, AETCOM module, Pandemic module integration, alignment & integration and Clinical postings.

### Time distribution of MBBS Programme & Examination Schedule

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2024										1 16 Oct Phase 1 starts	2	3
2025	4	5	6	7	8	9	10	11	12 Phase 1 exam, Result	13 Phase 2 starts	14	15
2026	16	17	18	19	20	21	22	23	24 Phase 2 exam, Result	25 Phase 3 Part 1 starts	26	27
2027	28	29	30	31	32	33	34	35	36 Phase 3 Part 1 exam, Result	37 Phase 3 Part 2 starts	38	39
2028	40	41	42	43	44	45	46	47	48	49	50	51
2029	52	53	54 Proposed NExT step 1	1 CRMI	2	3	4	5	6	7	8	9
2030	10	11	12 Proposed NExT step 2									

#### **I. Record Note books / Log Books :**

Every student must maintain a record of the Practical / Clinical work assigned to him / her in the record note books.

Students should also maintain log books for :

1. Foundation Course
2. Academic activities
3. AETCOM
4. FAP

These shall be submitted periodically to the respective Departments. At the end of the course the Practical / Clinical case record note books and log books shall be submitted to the Heads of the departments who shall evaluate and include the marks in the Internal assessment.

At the time of Practical / Clinical examination each candidate shall submit to the Examiner his / her Clinical / Laboratory record note books and log books duly certified by the Head of the department as a bonafide record of the work done by the candidate.

In respect of failed candidates, the marks awarded for records at the first attempt may be carried over to the next examination attempt. If a candidate desires, he/she may be permitted to improve on the performance by submission of fresh record note books and log books.

**Integration:** Each of the departments shall provide integrated teaching with Phase I, Phase II and Phase III clinical departments to expose the students to the full range of disciplines relevant to each area of study. Problem Based Learning (PBL) shall be emphasized.



**II. Competitive Prize Exams:**

Students who pass all the Internal Assessment Examinations with more than 60% marks are eligible to appear for competitive prize exams in the subjects concerned conducted by the respective departments.

**III. Advanced Learners** in each subject are encouraged and trained to participate in scientific conferences, dissertation competitions and quizzes.

**IV. University Examinations****1. University exam marking pattern**

Phase of Course	Theory	Practicals	Pass Criteria
<b>Phase - I MBBS</b>			Mandatory to get 40% marks separately in theory and in practical; and totally 50 % for theory plus practical exam.
Anatomy – 2 papers	Paper 1 - 100	100	
	Paper 2 - 100		
Physiology – 2 papers	Paper 1 - 100	100	
	Paper 2 - 100		
Biochemistry – 2 papers	Paper 1 - 100	100	
	Paper 2 - 100		
<b>Phase - II MBBS</b>			
Pathology – 2 papers	Paper 1 - 100	100	
	Paper 2 - 100		
Microbiology – 2 papers	Paper 1 - 100	100	
	Paper 2 - 100		
Pharmacology – 2 papers	Paper 1 - 100	100	
	Paper 2 - 100		
<b>Phase-III MBBS Part 1</b>			
Forensic Medicine and Toxicology – 1 paper	Paper 1 - 100	100	
Community Medicine – 2 papers	Paper 1 - 100	100	
	Paper 2 - 100		
Otorhinolaryngology	Paper 1 - 100	100	
Ophthalmology	Paper 1 - 100	100	
<b>Phase-III MBBS Part 2</b>			
Medicine & allied	Paper 1 - 100	100	
	Paper 2 - 100		
Surgery & allied	Paper 1 - 100	100	
	Paper 2 - 100		
Obstetrics and Gynaecology	Paper 1 - 100	100	
	Paper 2 - 100		
Paediatrics	Paper 1 - 100	100	

**Medicine & allied Paper-2 to have Medicine 50%, Psychiatry 25% and Dermatology 25% questions.**

**Surgery & allied Paper-2 to have General Surgery 40%, Orthopaedics 40%, Anaesthesia 10% and Radiodiagnosis 10%.**

**Any further updates as per NEXT regulations.**

## **2. Exemption in passed subjects:**

Candidates who fail in an examination but obtain pass mark in any subject shall be exempted from re-examination in that subject.

## **3. Criteria for Progression to Phase II:**

1. Examination pattern will include theory examination, practical / clinical examination and viva / oral examination.
2. There shall be one main examination in an academic year and a supplementary to be held within 6-8 weeks from the date of declaration of the results of the main examination, so that the candidates, who pass, can join the main batch for progression.
3. Passing in First MBBS Professional examination is compulsory before proceeding to Phase II training.
4. No more than four attempts shall be allowed for a candidate to pass the Phase 1 examination. The total period for successful completion of phase I course shall not exceed four (4) years. Partial attendance in examination (only theory or only practical) in any subject shall be counted as an attempt.
5. A learner shall not be entitled to graduate after 10 years of his/her joining of the first year of the MBBS course.

### **1. Classification of successful candidates**

- a) A successful candidate securing 75 % or above of the marks in the aggregate in any subject in the first appearance will be declared to have passed the examination in that subject with distinction.
- b) First class may be awarded to such candidates who have passed all the subjects at the first appearance and obtained 60 % of marks and above in the aggregate of all the subjects he/she had appeared in the particular phase of the MBBS course.
- c) Candidates who have passed all the subjects at the first appearance and obtained 75 % of marks and above in all the subjects he/she had appeared shall be awarded first class with distinction.
- d) All other successful candidates shall be declared to have passed in second class.

### **2. Eligibility to appear for Professional examinations**

#### **A. Attendance required for admission to examination:**

- a) No candidate shall be permitted to any one of the parts of MBBS Examinations unless he / she has attended the course in the subject for the prescribed period in an affiliated institution recognised by this University and produces the necessary certificate of study, attendance and progress from the Head of the Institution.
- b) There shall be a minimum of 75% attendance in theory and 80% attendance in practical /clinical for eligibility to appear for the examinations in that subject. In subjects that are taught in more than one phase - the learner must have 75% attendance in theory and 80% attendance in practical in each phase of instruction in that subject. There shall be a minimum of 75% attendance in AETCOM and minimum of 80% attendance in family visits under Family adoption programme. Each student shall adopt minimum 3 families/households and preferably five families. The details shall be as per Family Adoption Program guidelines.

- c) Failed candidates who are not promoted to the next phase of study are required to put in minimum attendance of 75% in theory and 80% in practical during the extended period of study before appearing for the next examination. Students who fail in the supplementary examination will take up exams with next academic year batch.

**B. Internal Assessment:**

- a. A minimum of 2 Internal Assessment Examinations (IA) and 1 Model Examination for both Theory and Practical / Clinics shall be conducted in Anatomy, Physiology and Biochemistry during the first professional phase 1 and will be considered for eligibility for University Examinations.
- b. For subjects taught in more than one phase, there shall be IA in every phase in which the subject is taught. Internal Assessment Examinations will be conducted for Community Medicine and will be included to the cumulative IA of Phase III- part 1.
- c. A failed candidate in any subject shall be provided an opportunity to improve his / her internal assessment marks by conducting retests in theory and practical separately and the average of theory and practical shall be considered for improvement.
- d. The internal assessment marks awarded both in written and practical / clinical separately shall be submitted to the University endorsed by the head of the institution atleast fifteen days prior to the commencement of the theory examinations.
- e. A candidate should obtain a minimum of 50 % of marks in internal assessment in a subject to be permitted to appear for the University examination in that subject. For this purpose the candidate has to obtain a minimum of 40 % of marks in theory and practical / clinical separately.
- f. It shall relate to different ways in which learners participate in the learning process including assignments, preparation for seminar, clinical case presentation, preparation of clinical case for discussion, clinical case study/ problem solving exercise, participation in project for health care in the community, Quiz, Certification of competencies, museum study, log books, SDL skills etc. Internal assessment should have both subjective and objective assessment. Internal assessment shall not be added to summative assessment. However, internal assessment marks in absolute marks will be displayed under a separate column in a detailed marks card.

**C. Certifiable Competencies :**

- a. Learners must have completed the required certifiable competencies for phase I training and completed the log book appropriate for phase I training to be eligible for appearing at the final university examination of that subject.

**Remedial measures**

A student whose has deficiency(s) in any of the 3 criteria that are required to be eligible to appear in university examination, should be put into remedial process as below:

- *During the course:* If Internal assessment (IA) or attendance is less or/and certifiable competencies not achieved and marked in log book in quarterly / six monthly monitoring, the students/parents will be intimated about the possibility of being detained much before the final university examination, so that there is sufficient time for remedial measures. These students will be provided remedial measures as and when

needed to improve IA. Any certifiable competency / IA marks deficiency should be attended with planned teaching/tests for them. Student should complete the remedial measures and it will be documented. In spite of all above measures, if student is still not meeting the criteria to be eligible for regular exam the student shall be offered remedial measures for the same batch supplementary exam. For attendance, the student will be allowed remedial measures ONLY IF attendance is more than 60% for each component.

- *At the end of phase* : If Internal assessment (IA) or attendance is less or/and certifiable competencies not achieved and marked in log book at the end of regular classes in a phase, the student is detained to appear in regular university examination of that batch.

o Remedial classes will be planned for students missing regular classes on genuine grounds, thus ensuring that all certifiable competencies are achieved.

o Students who have less than 75% attendance in theory and 80% attendance in practical cannot appear for University examination, however; they may appear for Supplementary examination provided they attend the remedial classes organised between University Sit and Supplementary exam. Students who have attendance 60% or above shall be eligible for such remedial classes.

#### **VI. Awards:**

- a) Certificates of Merit are awarded to the students securing the overall highest marks in all the internal assessment exams.
- b) Prizes are awarded to students scoring the highest marks in the competitive prize exams conducted by various departments.
- c) Proficiency certificates are awarded to the students securing the highest marks in each subject in the University examinations.
- d) The student securing the highest overall marks throughout the course of MBBS study (regular students) in the University exams - institution as well as university ranking, is presented with the Dr. A. Shanmugasundaram - The Founder Chancellor, VMRF(DU)'s, Gold Medal for the BEST OUTGOING STUDENT award.
- e) The student securing good performance in academics, Sports, Extra Curricular activities, Research and good conduct throughout the MBBS programme is presented with the Dr. S. Sharavanan Gold Medal – Pro Chancellor, VMRF(DU)'s, Gold Medal for Best All Rounder award.

#### **VII. Working Days:**

Phase I consists of at least 39 teaching weeks with a minimum of 39 hours a week. Each day comprises of 8 working hours including an hour's interval for lunch. The teaching hours are divided between didactic lectures, practicals, demonstrations, seminars, symposia, Small Group Teaching (SGT), Self Directed Learning (SDL), Early Clinical Exposure (ECE), Integrated Learning (IGL) in various subjects and AETCOM.

**Parents-Teachers Face – To – Face and Virtual Communication :**

Parents are encouraged to communicate with the faculty regarding the progress of their wards. Parents-Teachers Meetings are arranged by the departments including Face-To –Face as well as by virtual communication.

**IMBBS Teaching Hours Distribution is as follows :**

Subjects	Large group teaching	SGT/Practical/ Tutorials/ Seminars	SDL	Total
Foundation Course	-	-	-	80
Anatomy	180	430	10	620
Physiology	130	305	10	445
Biochemistry *	82	157	10	249
Early Clinical Exposure (ECE) **	-	27	-	27
Community Medicine	20	20	-	40
FAP (Family Adoption Programme)	-	24	-	24
AETCOM ***	-	26	-	26
Sports and extracurricular activities	-	-	-	10
<b>Total</b>	<b>412</b>	<b>989</b>	<b>30</b>	<b>1521</b>

SGT: Small group teaching, SDL: Self-directed learning

\* Including Molecular Biology

\*\* Minimum ECE hours. These hours are to be divided equally by Anatomy, Physiology & Biochemistry.

\*\*\*AETCOM module is a longitudinal programme

***“Wherever the ART OF MEDICINE is loved,  
There is also a love of HUMANITY”  
- Hippocrates***

### Time Table - I MBBS (2024 Batch)

Day	8.00 am - 9.00 am	9.00 am - 10.00 am	10.00 am - 10.15 am	10.15 am - 11.15 am	11.15 am - 12.15 pm	12.15 pm - 1.15 pm	1.15 pm - 2.00 pm	2.00 pm - 4.00 pm	4.00 pm - 5.00 pm
<b>Monday</b>	Anatomy (Theory)	Physiology (Theory)	<b>TEA BREAK</b>	*Physiology (FA & Feedback)	Anatomy (Dissection)	Anatomy (Dissection)	<b>LUNCH BREAK</b>	Physiology Practical Batch -(A+B+C)	Sports / Yoga
<b>Tuesday</b>	Biochemistry (Theory)	# Physiology (SDL/SGT)		Anatomy (Theory)	Anatomy (Dissection)	Anatomy (Dissection)		Anatomy Practical (Batch-A)	
<b>Wednesday</b>	Physiology (Theory)	Biochemistry (Theory)		Physiology Tutorial / IGL	*Anatomy (FA& Feedback)	Anatomy (Theory)		Physiology Practical (Batch-B)	
<b>Thursday</b>	Physiology (Theory)	Biochemistry (Tutorial)		Community Medicine (Theory / Tutorial / IGL)	Anatomy (Dissection)	Anatomy (Dissection)		Biochemistry Practical (Batch-C)	
<b>Friday</b>	Anatomy (Theory)	Physiology (Theory)		^ Anatomy / Biochemistry (SGT)	Anatomy (Tutorial)	Anatomy (Tutorial)		Anatomy Practical (Batch-B)	
				** ECE Biochemistry/ SDL / FAP <sup>\$</sup>				Physiology Practical (Batch-C)	
				I Saturday - ECE Anatomy / SDL / FAP <sup>\$</sup> III Saturday - ECE Physiology / SDL / FAP <sup>\$</sup>				Biochemistry Practical (Batch-A)	
<b>Saturday</b>	Anatomy (Theory)	Physiology (SGT)					*** Anatomy/Physiology/Biochemistry (IGL / SGT)		
							@ 2 - 3 *Biochemistry (FA& Feedback)	@ 3 - 4 Student Mentorship Program	
							I Saturday - AETCOM III Saturday - Anatomy (SDL/Library/Museum)		

\* FA & feedback; \*\* 2<sup>nd</sup> week - ECE Biochemistry / SDL; \$ FAP – 5<sup>th</sup> Saturdays & 3 ECE hours

\*\*\* 1<sup>st</sup> week Biochemistry IGL/SGT, 2<sup>nd</sup> week Anatomy IGL/SGT, 4<sup>th</sup> week Physiology IGL/SGT

@ 3<sup>rd</sup> week : 2.00 – 3.00 pm - Biochemistry (FA& Feedback) & 3.00 – 4.00 pm - Student Mentorship Program

# 2<sup>nd</sup> and 4<sup>th</sup> week – SDL; 1<sup>st</sup> and 3<sup>rd</sup> week – SGT

^ 1<sup>st</sup> 3 months – Anatomy (SGT); ^^ After 3 months – Biochemistry (SGT)

II Saturday – Holiday

## **Mark Pattern - Examinations**

### **Internal Assessment Examinations – Part Completion Test (PCT)**

Internal Assessment Theory	:	100 Marks
Internal Assessment Practicals	:	100 Marks

### **Eligibility to appear for University exams**

50% marks of Total marks (Combined in theory & practical, Not less than 40% marks in theory and practical separately).

### **University Examinations**

#### **University Exam pattern for all subjects :**

Theory Paper I	-	100 Marks
Theory Paper II	-	100 Marks
Practicals	-	80 Marks
Viva - Voce	-	20 Marks
		-----
		300 Marks
		-----

#### **Criteria for pass in University exams :**

<b>Theory</b>	<b>: Minimum 40%</b>
<b>Practicals &amp; Viva Voce</b>	<b>: Minimum 40%</b>
<b>Theory and Practical &amp; Viva Voce combined</b>	<b>50 %</b>

# **Academic Plan**



### I MBBS (2024 Batch)

Month	Anatomy	Physiology	Biochemistry
1	-General Anatomy - Lower Limb (LL)	General Physiology, Blood	Cell membrane and organelles, extracellular matrix, chemistry of carbohydrates, amino-acid & proteins, Lab safety and Biomedical Waste Management and Chromatography(Demo)
2	-LL/ Upper Limb (UL) - General Embryology & Histology	Blood, Nerve Muscle	Plasma protein, immunoglobulins, Enzymes, Hemoglobin structure and Hemoglobinopathies, Electrophoresis (Demo), Heme synthesis, porphyria's Heme catabolism, iron metabolism (mineral) Billirubin formation, Jaundice, colorimetry (Demo)
3	UL-General Embryology & Histology	Autonomic Nervous System (ANS), Cardio Vascular System (CVS)	Clinical Enzymology, chemistry of lipids, and lipoprotein metabolism, carbohydrate metabolism, vitamins, Estimation of protein and albumin
4	-Abdomen -Related Systemic Embryology & Histology	GIT, Renal	Vitamins, Nutrition, Liver Function Tests, Renal Function Tests, acid-base balance and its disorders, water and electrolyte normal and abnormal analysis of urine(DOAP), Estimation of Urea, creatinine
5	-Abdomen, Pelvis -Related Systemic Embryology & Histology	GIT (contd.), Reproductive System	Metabolism of proteins and their metabolic disorders, Metabolism of carbohydrates and their metabolic disorders, Diabetes mellitus, Electron transport chain and oxidative phosphorylation, Xenobiotics, Estimation of Glucose
6	-Thorax -Related Systemic Embryology & Histology	Reproductive System (contd.), Respiratory System (RS)	Metabolism of lipids(remaining) and disorders, Metabolism of proteins, minerals, Vitamins, Reproductive Hormones, Prenatal screening, new born screening
7	Head & Neck - I Related Systemic Embryology & Histology, Genetics	Endocrine (Neck region), Central Nervous System (CNS)	Hormone Biochemistry; Tumour markers and , Thyroid function Tests, Adrenal Function tests, Free radicals, and antioxidants

<b>Month</b>	<b>Anatomy</b>	<b>Physiology</b>	<b>Biochemistry</b>
8	Head & Neck - II Related Systemic Embryology & Histology, Genetics	CNS contd, special senses	Purine and pyrimidines metabolism, gout, purine salvage pathway, replication, DNA damage and repair mechanism, transcription, translation, post- translational modifications, protein synthesis inhibitors, genetic code, and mutations, estimation of uric acid
9	-Neuroanatomy -Related Systemic Embryology & Histology	CNS(Contd.) Integrated physiology	Molecular biology techniques and Miscellaneous.

**“The GOOD physician treats the DISEASE;  
the GREAT physician treats the PATIENT who has the disease”  
- Sir William Osler**

## ANATOMY

### **Subject Goals:**

At the end of anatomy teaching, a student should be able to demonstrate:

- i. Comprehension of normal structure, development and genetic pattern of organ and organ systems, as well as the clinical correlation of structures involved in diseases and its anatomical basis.
- ii. Comprehension of the normal disposition, clinically relevant inter-relationships, functional and cross-sectional Anatomy of the various organs and structures of the body.
- iii. Identification of the microscopic structure of various organs and tissues with the functions, as a prerequisite for understanding the altered state in various disease processes.
- iv. Basic principles and sequential development of the organs and systems; recognize the critical stages of development and the effects of common teratogens, genetic mutations and environmental hazards.
- v. Principles of karyotyping and identify the gross congenital anomalies.
- vi. Principles of newer imaging techniques and interpretation of CT scan, sonogram, MRI & Angiography.

### **Recommended Books**

<b>S. No.</b>	<b>Author</b>	<b>Text Book</b>
1	B.D. Chaurasia	B D Chaurasia's Human Anatomy (4 Volumes) ed 10, 2024
2	Krishna Garg	B.D. Chaurasia's Handbook of General Anatomy ed 7/2023
3	Vasudeva	Inderbir Singh's Text book of Human Histology, 11 <sup>th</sup> Ed/2024
4	Eroschenko	Difiore's Atlas of Histology ed1, SAE, 2022
5	V. Subhadra Devi	Inderbir Singh's Human Embryology, Ed 14/2024
6	Nitin Ashok John	AETCOM – Attitude, Ethics and Communication
7	Agur	Grant's Atlas of Anatomy SAE ed 1
8	Drake	Gray's Anatomy for Students (2 vols) SAE ed 3 / 2023
9	Sontakke	Principles of Clinical Genetics ed. 2, 2022
10	Appaji	Surface and Radiological Anatomy ed 2, 2022
11	Anand Reddy	Early Clinical Exposure
12	Rachel Koshi	Cunningham Manual or Practical Anatomy (3 Volumes) ed 16

## PHYSIOLOGY

### Subject Goals:

At the end of physiology teaching, the learner must be able to:

- i. Demonstrate knowledge of normal human physiology, organizational and functional relationship between cells, tissues and organs and body systems, age and sex related physiological changes in the organ functions that reflect normal growth and development.
- ii. Explain physiological variations (Genotype/Phenotype) with healthy ageing through the course of life i.e. fetal, neonatal, childhood, adolescence and adulthood and demonstrate understanding of the physiological responses and adaptation to environment and exercise.
- iii. Perform experiments to demonstrate physiological phenomenon and principles, interpret investigation results falling within the scope of physiology.
- iv. Apply principles of Physiology in clinicopathological conditions, diagnosis, investigations and management of diseased conditions.
- v. Conduct physical examination (general and system based) of normal subject in real or simulated conditions and demonstrate understanding of altered findings in physical examination of diseased conditions.

### Recommended Books

S.No.	Author	Name of the book	Year / Edition
1	John E Hall, Mario Vaz, Anura kurpad, Tony Raj	Guyton & Hall Textbook of Medical Physiology	2024/4 <sup>th</sup> edition, South Asian edition
2	L Prakasam Reddy	Fundamentals of Medical Physiology	8 <sup>th</sup> edition 2023, 2 volumes
3	V Suganthi	Uniquet series Physiology	2023 / 2 <sup>nd</sup> edition
4	Milind V. Bhutkar Pratima M. Bhutkar	Textbook of Neurophysiology	1 <sup>st</sup> edition
5	Debasis Pramanik	Principles of Physiology	7 <sup>th</sup> edition, 2023
6	G K Pal, Pravati Pal	Textbook of Practical Physiology	5 <sup>th</sup> edition, 2020

## BIOCHEMISTRY

### **Biochemistry including Molecular Biology**

#### **Subject Goals:**

The learner after teaching learning in Biochemistry should be able to:

- i. Understand and explain Biochemical and molecular processes involved in health and disease.
- ii. Enlist and describe the cell organelles with their molecular and functional organization.
- iii. Understand basic enzymology and emphasize on its clinical applications wherein regulation of enzymatic activity is disturbed.
- iv. Describe Importance of nutrition in health and disease.
- v. Describe digestion and assimilation of nutrients and consequences of malnutrition.
- vi. Describe function and interrelationships of various biomolecules and consequences of deviation from the normal.
- vii. Describe and integrate metabolic pathways of various biomolecules with their regulatory mechanisms relevant to clinical conditions.
- viii. Describe Biochemical basis and rationale of clinical laboratory tests, Perform biochemical analytical tests relevant to clinical screening and diagnosis using conventional techniques / instruments and interpret investigative data.
- ix. Explain the biochemical basis of inherited disorders with their associated sequel.
- x. Describe mechanisms involved in maintenance of water, electrolyte and acid base balance and consequences of their imbalances.
- xi. Outline basics genetics, explain the molecular mechanisms of gene expression and regulation, basic principles of biotechnology and latest techniques and their applications in medicine.
- xii. Demonstrate the skills of solving scientific and clinical problems and decision making.

#### **Recommended Books**

S.No.	Author	Name of the book	Edition & Publisher
1.	Pankaja Naik	Textbook of Biochemistry	6 <sup>th</sup> edition, Jaypee
2.	U. Sathyanarayana	Textbook of Biochemistry	6 <sup>th</sup> edition, Elsevier
3.	DM. Vasudevan	Textbook of Biochemistry for Medical Students	10 <sup>th</sup> edition, Jaypee
4.	S K Gupta	Manual of Practical Biochemistry for MBBS	5 <sup>th</sup> edition, Arya Publishing company
5.	Ritu Singh Rajeev Goyal	Lippincott Illustrated Reviews Biochemistry	2 <sup>nd</sup> edition, Wolters Kluwer
6.	Rafi MD	Textbook of Biochemistry	5 <sup>th</sup> edition, Universities press

## COMMUNITY MEDICINE

### **Subject Goals:**

At the end of teaching learning in Community Medicine, the student should be able to:

- i. Demonstrate understanding of role of primary care physician for preventive, promotive, curative, rehabilitative, palliative care & referral services.
- ii. Demonstrate understanding of the concept of health and disease, demography, population dynamics and disease burden in National and global context, comprehension of principles of health economics and hospital management.
- iii. Apply the understanding of physical, social, psychological, economic and environmental determinants of health and disease, ability to recognize and manage common health problems including physical, emotional and social aspects at individual family and community level in the context of National Health Programmes,
- iv. Ability to implement and monitor National Health Programmes in the primary care setting.
- v. v. Ability to recognize, investigate, report, plan and manage community health problems including malnutrition and emergencies.
- vi. Apply understanding the role of nutrition in health promotion and disease prevention.
- vii. Demonstrate role of researcher & community medicine physician by understanding the concepts of various epidemiological study designs and their application and epidemiology of diseases and ability to critically review.
- viii. Demonstrate understanding of pandemic and epidemic situations with emerging and re-emerging diseases and able to investigate under supervision and plan, advise and promote preventive aspects as per international and national health regulations and programs.
- ix. Demonstrate understanding of all principles of public health, community medicine, preventive aspects, social aspects utilizing family adoption program, providing services to the families adopted and being first care physician under the guidance of mentor.
- x. Apply the principles of behaviour change communication for improving health related aspects for communicable, non-communicable diseases, health promotive aspects, related to addictions, health related information and misinformation.

### **Recommended Books**

S.No.	Author	Name of the book	Edition
1.	K. Park	Park's Text Book of Preventive and Social Medicine	27 <sup>th</sup> Edition 2023

**Internal Assessment Exam, Model Exam, Medal Exam  
and Parent Teachers Meeting Schedule  
I MBBS (2024 BATCH)**

Subject	Exam	Internal Assessment - 1	Internal Assessment - 2
Anatomy	Theory	27.01.2025	30.04.2025
	Practical & Viva	04.02.2025, 05.02.2025 & 06.02.2025	06.05.2025, 07.05.2025 & 08.05.2025
Physiology	Theory	28.01.2025	28.04.2025
	Practical & Viva	04.02.2025, 05.02.2025 & 06.02.2025	06.05.2025, 07.05.2025 & 08.05.2025
Biochemistry	Theory	29.01.2025	29.04.2025
	Practical & Viva	04.02.2025, 05.02.2025 & 06.02.2025	06.05.2025, 07.05.2025 & 08.05.2025

**MODEL EXAM DATES**

Dates	Theory exams		Dates
30.06.2025	Anatomy-Paper I	Practical exams	07.07.2025 to 12.07.2025 (6 batches- 25 in each)
01.07.2025	Anatomy-Paper II		
02.07.2025	Physiology-Paper I		
03.07.2025	Physiology-Paper II		
04.07.2025	Biochemistry-Paper I		
05.07.2025	Biochemistry-Paper II		

**Medal exam dates**

Anatomy	11.08.2025
Physiology	12.08.2025
Biochemistry	13.08.2025

**Parent-teachers meeting**

1 <sup>st</sup> Parent-Teachers meeting	28.02.2025 & 01.03.2025
2 <sup>nd</sup> Parent-Teachers meeting	12.06.2025 & 13.06.2025

**ACADEMIC CALENDER 2024 – 2025**

<b>Date</b>	<b>Events for October 2024</b>	<b>Events for November 2024</b>	<b>Events for December 2024</b>
1			<b>Sunday</b> World AIDS day
2	World Wildlife week <b>Holiday - Gandhi Jayanthi</b>		
3		<b>Sunday</b>	United Nation's International day of Person's with disabilities
4		<b>Value Added Course</b>	
5		<b>Value Added Course</b>	
6	<b>Sunday</b>		
7			
8			<b>Sunday</b>
9	World Hospice and Palliative day	<b>II Saturday</b>	
10	World Mental Health day	<b>Sunday</b>	
11	<b>Holiday - Saraswathi &amp; Ayuda Pooja</b>		
12	<b>II Saturday</b> <b>Holiday - Vijaya Dasami</b>		
13	<b>Sunday</b>		
14		World Diabetes day Operation Theatre Nursing day	<b>II Saturday</b>
15	Hand washing day		<b>Sunday</b>
16	<b>I MBBS Inauguration</b>		
17	<b>Foundation Course</b>	<b>Sunday</b>	
18	<b>Foundation Course</b>		
19	<b>Foundation Course</b>		



20	<b>Sunday</b>		
21	<b>Foundation Course</b>		
22	<b>Foundation Course</b>		<b>Sunday</b>
23	<b>Foundation Course</b>	<b>IV Saturday</b>	
24	<b>Foundation Course</b> World Polio day	<b>Sunday</b>	
25	<b>Foundation Course</b>		<b>Holiday - Christmas</b>
26	<b>IV Saturday</b> <b>Foundation Course</b>		
27	<b>Sunday</b>		
28	<b>Foundation Course</b>		<b>IV Saturday</b>
29	<b>Foundation Course</b>		<b>Sunday</b>
30			
31	<b>Deepavali – Holiday</b> National Unity day		

<b>Date</b>	<b>Events for January 2025</b>	<b>Events for February 2025</b>	<b>Events for March 2025</b>
1	<b>Holiday - New year</b>		<b>1<sup>st</sup> Parent – Teachers meeting</b>
2		<b>Sunday</b>	<b>Sunday</b>
3			
4		<b>Internal Assessment 1 - Practical – Anatomy, Physiology &amp; Biochemistry</b> World Cancer day International Dentist day	World Obesity day
5	<b>Sunday</b>	<b>Internal Assessment 1 - Practical – Anatomy, Physiology &amp; Biochemistry</b>	
6		<b>Internal Assessment 1 - Practical – Anatomy, Physiology &amp; Biochemistry</b>	
7			
8		<b>II Saturday</b>	<b>II Saturday</b>
9		<b>Sunday</b>	<b>Sunday</b>
10		National Deworming day	
11	<b>II Saturday</b>		World Kidney day
12	<b>Sunday</b>		
13			
14	Holiday – Pongal Holiday		
15	Holiday – Pongal Holiday		
16	Holiday – Pongal Holiday	<b>Sunday</b>	<b>Sunday</b>
17			
18			
19	<b>Sunday</b>		
20			World Oral health day World Head injury day
21			International day of Forest

			World Down's syndrome day
22		<b>II Saturday</b>	<b>IV Saturday</b> World Water day
23		<b>Sunday</b>	<b>Sunday</b>
24			World Tuberculosis day National Doctor's day
25	<b>II Saturday</b>		
26	<b>Sunday</b> Holiday – Republic Day		
27	<b>Internal Assessment 1 - Theory - Anatomy</b>		
28	<b>Internal Assessment 1 - Theory – Physiology</b>	<b>1<sup>st</sup> Parent – Teachers meeting</b> National Science day	
29	<b>Internal Assessment 1 - Theory – Biochemistry</b>	-	
30		-	<b>Sunday</b>
31		-	<b>Ramzan - Holiday</b>

<b>Date</b>	<b>Events for April 2025</b>	<b>Events for May 2025</b>	<b>Events for June 2025</b>
1		<b>Holiday – May Day</b>	<b>Sunday</b>
2	World Autism awareness day		
3			
4		<b>Sunday</b>	
5			World Environment day
6	<b>Sunday</b>	<b>Internal Assessment 2 - Practical – Anatomy, Physiology &amp; Biochemistry</b>	
7	World Health day	<b>Internal Assessment 2 - Practical – Anatomy, Physiology &amp; Biochemistry</b>	<b>II Saturday</b>
8		<b>Internal Assessment 2 - Practical – Anatomy, Physiology &amp; Biochemistry</b> World Thalassaemia day World Youth red cross day	<b>Sunday</b>
9		Mother’s day	
10		<b>II Saturday</b>	
11	National Safe Motherhood day A day for Parkinson	<b>Sunday</b>	
12	<b>II Saturday</b>	International Nurses day	<b>2<sup>nd</sup> Parent – Teachers meeting</b>
13	<b>Sunday</b>		<b>2<sup>nd</sup> Parent – Teachers meeting</b>
14	<b>Tamil New Year - Holiday</b> <b>Dr. Ambedkar Birthday</b>		<b>II Saturday</b> World Blood donor day
15			<b>Sunday</b>
16			
17	World Haemophilia day		
18		<b>Sunday</b>	
19			National Public Health Dentistry day
20	<b>Sunday</b>		

21			International Yoga day
22	Earth day		<b>Sunday</b>
23			
24		<b>IV Saturday</b>	
25	World Malaria day	<b>Sunday</b> World Thyroid day	
26	<b>IV Saturday</b>		
27	<b>Sunday</b>		
28	<b>Internal Assessment 2 – Theory – Physiology</b>		<b>IV Saturday</b>
29	<b>Internal Assessment 2 – Theory – Biochemistry</b>		<b>Sunday</b>
30	<b>Internal Assessment 2 – Theory – Anatomy</b>		<b>Model Exam – Theory – Anatomy Paper I</b>
31	-	World No Tobacco day	-

<b>Date</b>	<b>Events for July 2025</b>	<b>Events for August 2025</b>	<b>Events for September 2025</b>
1	<b>Model Exam – Theory – Anatomy Paper II</b>	Breast feeding week	<b>University Examination starts</b>
2	<b>Model Exam – Theory – Physiology Paper I</b>	Breast feeding week	
3	<b>Model Exam – Theory – Physiology Paper II</b>	<b>Sunday</b> / Breast feeding week	
4	<b>Model Exam – Theory – Biochemistry Paper I</b>	Breast feeding week	
5	<b>Model Exam – Theory – Biochemistry Paper II</b>	Breast feeding week	
6	<b>Sunday</b>	Breast feeding week	
7	<b>Model Exam – Practical – Anatomy, Physiology &amp; Biochemistry</b> <b>VMRF (DU) Convocation</b>	Breast feeding week	<b>Sunday</b>
8	<b>Model Exam – Practical – Anatomy, Physiology &amp; Biochemistry</b>		
9	<b>Model Exam – Practical – Anatomy, Physiology &amp; Biochemistry</b>	<b>II Saturday</b> <b>VMKVMCH - Graduation Day</b>	
10	<b>Model Exam – Practical – Anatomy, Physiology &amp; Biochemistry</b>	<b>Sunday</b>	
11	<b>Model Exam – Practical – Anatomy, Physiology &amp; Biochemistry</b> World Population day	<b>Medal Exam – Anatomy</b>	
12	<b>Model Exam – Practical – Anatomy, Physiology &amp; Biochemistry</b> <b>II Saturday</b>	<b>Medal Exam – Physiology</b> International Youth day	
13	<b>Sunday</b>	<b>Medal Exam – Biochemistry</b>	<b>II Saturday</b>
14			<b>Sunday</b>
15		<b>Holiday - Independence Day</b>	
16			
17		<b>Sunday</b>	

18			
19			
20	<b>Sunday</b> World Anesthesia and OTT day		
21			<b>Sunday</b>
22			
23		<b>IV Saturday</b>	
24		<b>Sunday</b>	
25		National Eye donation week	
26	<b>IV Saturday</b>		
27	<b>Sunday</b>	<b>Holiday – Vinayagar Chaturthi</b>	<b>IV Saturday</b>
28			<b>Sunday</b>
29			
30			
31		<b>Sunday</b>	

*Medicine is only for those  
who cannot imagine  
doing anything else*

*Dr. Luanda Grazette*

Medical Education is not just a program for building  
knowledge and skills in its recipients...  
it is also an experience which creates attitudes and expectations.

*--- Abraham Flexner ---*





**Believe passionately in what you do, and never knowingly compromise your standards and values.**

**Act like a true professional, aiming for true excellence, and the money will follow.**

**- David Maister**