



## Medical Education Unit: Nurturing Future-Ready Medical Professionals

**T**he Medical Education Unit (MEU) at Ramaiah Medical College is a cornerstone of academic excellence, dedicated to advancing teaching and learning methodologies, fostering faculty development, and enhancing the overall quality of medical education.

### Vision and Establishment

Established in line with the Medical Council of India's 1997 directive (now the National Medical Commission - NMC), the MEU was founded under the guidance of Dr. D.K. Shrinivas (Curriculum Cell, RGUHS) and the strong leadership of Dr. Sandhya Belwadi, Principal of MSRMC. Since its inception, the unit has grown into a dynamic platform representing faculty from pre-clinical, para-clinical, and clinical departments.

### MEU as a Regional Training Center

A significant milestone was achieved in December 2023 when the MEU was recognized as a Regional Training Center (RTC) by the NMC. With over 17 medical colleges affiliated to the RTC, RMC has trained:

- 116 external faculty
- 179 RMC faculty in Basic Course in Medical Education (BCME) and Curriculum Implementation Support Program (CISP)
- 60 in-house faculty specifically in BCME

These programs empower faculty to implement Competency-Based Medical Education (CBME) as envisioned by the NMC.

### Faculty Excellence

MEU's strength lies in its committed and qualified faculty:

- 4 FAIMER Fellows
- 11 trained in Advanced Medical Education
- 5 trained through NTTC programs

This collective expertise ensures a vibrant culture of academic innovation and educational research.

### Core Functions of MEU

- **Curriculum Development:** Designing outcome-driven, contemporary curricula aligned with national healthcare needs.
- **Teaching & Learning:** Organizing lectures, clinical skills training, simulation-based learning, and interdisciplinary workshops.
- **Assessment & Evaluation:** Implementing tools like OSCEs, peer and student evaluations, and blueprint-based assessments.
- **Faculty Development:** Conducting regular Faculty Development Programs (FDPs) on teaching methods, ethics, e-learning, and research.
- **Research & Innovation:** Supporting educational research and pilot initiatives in new teaching-learning methods.
- **Quality & Compliance:** Ensuring all programs meet the standards set by NMC and international accrediting bodies.

### Flagship and Unique Initiatives

- Interns Training Program (1.5 days)
- Online Ethics Module for Interns (mandatory)
- Postgraduate & DM/MCh Training Programs
- FDPs for Senior Residents
- Mock NEET PG Exams & OSCE Exit Exams
- Peer & Student Evaluation Systems
- Mentoring Framework for Students
- Synopsis Review Guidance
- E-learning Modules and Integration
- Bi-monthly Journal Reviews for Faculty
- Innovation Support for Teaching Departments



**RAMAIAH**

ಜ್ಞಾನವಾಹಿನಿ

**Jnana Vahini**

Monthly Newsletter - Gokula Education Foundation (Medical)

Volume - 16 Issue - 4

April - 2025

Chief Patron

**Dr. M R Jayaram**

Chairman, GEF  
Chancellor, RUAS

Editor in Chief

**M R Sreenivasa Murthy**

Chief Executive, GEF (M)

Editor

**Dr. B S Nandakumar**

Associate Editor

**Chandra**

Editorial Team

**Ragi Saggere**

**Ravi V**

**Ravi C U, Photographer**

Design and Printing

**DIGITAL ART WORKS**

info@dawindia.com

Contact

+91 2218 2822/3205

+91 2360 5190, Extn. 1315/3595

+91 88674 99288

gokula.jnanavahini@msruas.ac.in

gokulagnanavahini@gmail.com

www.ramaiah-india.org

## Forging Pathways in Academic Leadership and Collaborative Innovation

As we turn the pages of this April 2025 issue, it is evident that Ramaiah University of Applied Sciences and its allied institutions continue to serve as beacons of academic excellence, collaborative innovation, and social commitment. This month has been exceptionally eventful, marked by pioneering achievements across research, clinical care, education, and public health advocacy.

A milestone was achieved with the signing of a Memorandum of Understanding between the Centre for National Security Studies (CNSS) and AIMSCS, Hyderabad, to promote strategic research in cryptography and secure communication—demonstrating how health and national security intersect in the digital age.

Our departments continue to lead from the front: be it the observance of Autism Awareness Day, the commendable achievements of our faculty at national and international forums, or the valuable contributions to medical education through workshops on research methodology, curriculum implementation, and ethics. The Department of Radiation Oncology's intensive training programme and the Department of Pathology's homage to Dr. V. R. Khanolkar are but a few illustrations of our ongoing commitment to capacity-building and academic reverence.

Students have made their mark as well—earning accolades at Invictus 2025 and contributing meaningfully at forums like WHOCon 2025. Their enthusiasm reaffirms our faith in the future of medical leadership. Meanwhile, national health concerns such as malaria continue to receive scholarly attention, with a timely and informative feature article that aligns with the theme “Malaria Ends with Us: Reinvest, Reimagine, Reignite.” The piece not only educates but also challenges us to meet India's malaria elimination goals by 2030, through scientific vigilance and collective resolve.

This issue also welcomes a new cohort of senior residents and faculty while bidding farewell to departing colleagues. We thank them for their service and wish them success in all future endeavors.

In every update and accolade, the common thread remains our collective pursuit of excellence and service. Let us continue to nurture this spirit of progress as we stride forward.

**Hosting NCHPE 2026:** RMC's MEU is honored to host the prestigious National Conference of Health Professions Education (NCHPE) 2026 under the aegis of the Academy of Health Professions Educators (AHPE)—a testament to the institution's national standing in medical education.

### Reflections

Medical education today is not just about imparting knowledge but about shaping the attitudes and

expectations of future healthcare leaders. As Abraham Flexner aptly said:

"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."

The MEU at Ramaiah Medical College continues to serve as a hub of innovation, reflection, and excellence in medical education.

## Poem

The plain yellow fabric that runs across my body,  
folded across my waist and holding on to frame;  
it is 6 yards long

It rests on my shoulders and falls down my back,  
runs along my feet and the pleats form a silent prayer;  
my mother wore it first.

It has a lining just enough to give a look,  
and the color just enough to brighten my face;  
my mother draped it for me.

These 6 yards must be the only time I let her see me,  
through everything I hid and twisted.  
she gave me 6 yards,  
and I draped deception.

she gently folds the saree and pins it with precision,  
I bite my lip and hold the words.  
she gave me beyond yards , my blood and the whole world,  
I let her see nothing beyond 6 yards, my bluffs and  
just brown skin.

Jeyani Shekar

SSS, BSc psychology





The Centre for National Security Studies (CNSS) signed a Memorandum of Understanding (MoU) with C.R. Rao Advanced Institute of Mathematics, Statistics, and Computer Science (AIMSCS), Hyderabad, to promote collaborative research in strategic technologies on 10th April, 2025.

Dr. S. Venkataraman, Director of AIMSCS, delivered an insightful talk on “Cryptography and Its Applications in National Security”. He emphasized the importance of post-quantum cryptography, lightweight encryption, and secure communication frameworks in national security.



Dr. Ananth Bhandary, Prof. & HOD, Dept. of Ophthalmology was honoured by All India Ophthalmic Society (AIOS) on 4th April, 2025 at AIOC -Asia Pacific Association of Ophthalmology, New Delhi.

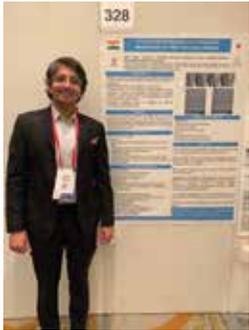


Dr. Sunil Furtado, Prof. and HOD, Dept. of Neurosurgery, was invited at the 14th Annual State Conference of Karnataka Neurosciences Academy, to give a talk on Clipping v/s Coiling for Cerebral Aneurysms, a Hybrid Neurosurgeon's perspective at Mangalore, 4th April, 2025.

Dr. Sunil Furtado, was a faculty at the 25th Annual Board of Examination Instructional Course organised by the Neurological Society of India on 11th April, 2025 at NIMHANS, Bangalore.



The department of pediatrics organised Autism Awareness Day on 2nd April, 2025. The theme for this year was Empowering Autistic Voices. The postgraduates had a roleplay followed by seminar on the topic.



Dr. Anish Mehta, Assoc. Prof. Dept. of Neurology, presented poster at AOPMC 2025, movement disorder conference at Tokyo, Japan.



Dr. Nagendra Swamy, President, Ramaiah Memorial Hospital received Lifetime achievement award by CAHO.



The Department of Radiation Oncology conducted a comprehensive Brachytherapy training programme for the faculty from various medical colleges such as northeastern Indira Gandhi institute of medical sciences, Shillong, State cancer institute, Kurnool, Government cancer care centre, Kadapa, and King George medical college, Vishakapatnam on 7th to 11th April, 2025.



The Department of Pathology celebrated National Pathology Day on 12th April, 2025 by commemorating the birth anniversary of Dr. V. R. Khanolkar, a pioneer in Indian pathology known for his significant contributions to cancer and leprosy research.

The event featured a series of academic and literary competitions exclusively for postgraduate students.



Training programme on Ethics, Good Clinical Practice & Good laboratory Practice and Induction training programme was conducted for the post graduates on 10th April, 2025.



Dr. Jyothi G S, Prof. & HoD, Dr. Nandini, Prof. & Dr. Nivedita Reshme, Asst. Prof. from the department of OBG were the chairpersons for Urogynaecology workshop at PES Medical College on 5th April, 2025.

NMC Nodal center of Ramaiah Medical College MEU, organized curriculum Implementation Support Program on 12th April, 2025.



The Department of Orthopaedics, led by Dr. Ajoy S M, Assoc. Prof. conducted the very first Research Methodology workshop as part of the BOSCON 25, Bengaluru Orthopaedic Society's annual conference.

Dr. Shalini Nooyi, Principal & Dean, Ramaiah Medical College Hospital, Dr. Nandakumar B S, Head, DRP, Dr. Avinash Parthasarathy, President of the Bangalore Orthopaedic Society, Dr. Mohit Bhandari from Canada, Dr. Anil Bhat from Manipal, Dr. Siddhartha Sharma from PGI Chandigarh, Dr. Inderjit Singh, Delhi, and others were part of the workshop.



Dr. Ananth Ram, Dept. of Community Medicine was awarded for best poster presentation at national conference of Indian Association of Prevention and Social Medicine IAPSMCON 2025 at Srinagar for his research on metabolic syndrome on middle aged rural women.



Dr. Janaki MG, Prof. Dept. of Radiation Oncology was selected as a convener and member of specialist board in the subject of Radiation Oncology by National Board of Examinations in Medical Sciences.



Dr. Aruna C Ramesh has been selected as a member to Specialist Board of NBEMS to extend high standards in medical education in Emergency Medicine.



Abhinav Saimadhav Yenamandra, Ananya Mahantesh Mundige and Indu Maria Nagaraja, Medical Students won 1st in Relay Writing at Invictus 2025, KMC Manipal.



Pranathi KB, Nidhi Santosh Abraham, Sameeksha Gurappa won 2nd position in 4x100 women's athletics relay at Invictus 2025, KMC Manipal.



Abhinav Saimadhav Yenamandra, MBBS student won 3rd in Shipwreck at Invictus 2025, KMC Manipal.

Indu Maria Nagaraja, MBBS student won 2nd in Spot Poetry at Invictus 2025, KMC Manipal



Dr. Sayak Chattopadhyay, final year MCh resident won the first place for free paper under Neurosurgery category for his presentation- Primary Spinal Lymphoma - An elusive diagnosis at the 14th annual conference of the Karnataka Neurosciences Academy in Mangalore.



Ananya Mahantesh Mundige and Urvashi Banerji, MBBS student won 2nd in Formal Debate at Invictus 2025, KMC Manipal.

Dr. Immanni Soma, Senior Resident, Neurology presented a poster at AOPMC 2025, on movement disorder conference at Tokyo, Japan.



Pranathi K B, MBBS student won 3rd position in 200m women's athletics event and also won 3rd position in women's long jump at Invictus 2025, KMC Manipal.



Dr. Praveen Kumar S, Prof. Dept. of dermatology has been selected as a member of IADVL SIG pruritus, Eczema and contact dermatitis.





Ramaiah Medical College organised Whocon 2025 – 'A Model World Health Assembly' on 18th – 20th April, 2025. WHOCON is a student led, national level model WHO conference was attended by medical students and 200+ delegates across the nation (medical students). It is an opportunity for students to engage in health care related debates and build their understandings on health systems around the world.



Dr. Shrvan, Y C, Asst. Prof., Dept. of Orthopaedics, attended the international workshop, on Birth Brachial Plexus Injuries in Ahmedabad. Workshop focussed on Nerve Repair, Transfer, Musculo-tendinous procedures and exclusive rehabilitation protocols to facilitate recovery of children brachial plexus injuries.



Dr. Jyothi G S, Prof. & HOD, Dept. of OBG, was a speaker at the 17th National Conference - ISCCPCON 2025 at Kolhapur from 18th to 20th April, 2025, organised by ISCCP under the auspices of D Y Patil Medical College, Kolhapur, OBG Society and AMOGS. She spoke on the topic "Familiarising yourself with Colposcopy Equipment". She was re-elected as SZ EC Member of ISCCP (2021 to 2027).



Ramaiah Institute of Nursing Education & Research (RINER) organized 13th annual workshop on "Research Methodology" from 9th -11th April, 2025. The workshop aimed to provide participants with practical guidelines and tools necessary to design, conduct, and analyze research effectively and was attended by Seventy-eight delegates from different parts of Bengaluru.



Dr. Srikantiah HC, Prof. and Dr. Sreekar Pai, Assoc. Prof. from the Department of General Surgery, in collaboration with Zen hospital's Mumbai took part in live Surgeries of Hernia & Gall Bladder 20th April, 2025, Advanced surgical procedures were telecasted from Zen hospital's Mumbai.



Dr. Pramila Kalra, Prof. & HoD, Dept. of Endocrinology was an invited faculty at advanced medical course for transgender health at AIIMS New Delhi.



A world record attempt was conducted at the Ramaiah Institute of Nursing Education and Research, where 190 participants gathered for a three-day training session focused on preventing medication administration errors. The event was held simultaneously across different nations, with the same content being delivered globally. This event was organized by the Association of Nurse Executives India in collaboration with Einstein World Records (United Arab Emirates) on 10th - 12th April 2025.

The training program emphasized the importance of medication safety, highlighting the "Medication Without Harm" initiative, which focuses on reducing medication errors and prioritizing patient safety. The program was a part of the global effort to enhance nursing education and raise awareness about patient care and safety in healthcare settings.



The Department of Obstetrics and Gynaecological (OBG) Nursing, Ramaiah Institute of Nursing Education and

Research, organized an insightful guest lecture on the topic "WHO Labour Care Guide" on 4th April, 2025. The guest speaker for the session was Sarah Coxen, Director – Midwifery Initiatives at Aastrika, Mary Christinal M and Jayanthi Yesuraj, Trainee National Midwifery Educators at Aastrika delivered enlightening and interactive session, focusing on the importance of the WHO Labour Care Guide, its components, and practical guidelines on how to implement it effectively in clinical settings.



Ramaiah Medical College Guidance Cell hosted a session on 'The Road to USMLE' on 29th April, 2025 featuring our alumni Dr. Rithika, Dr. Rafi, and Dr. Aaditya who've matched into internal medicine and surgical prelim programs.

## 2025: Redefining Malaria Elimination

**M**alaria is a potentially lethal yet preventable infection caused by the parasite - Plasmodium of which there are five species causing human disease. They include Plasmodium falciparum, Plasmodium vivax, Plasmodium malariae, Plasmodium ovale and Plasmodium knowlesi. It is transmitted through the bite of the female anopheles mosquito. It is a seasonal disease with rain providing for mosquito breeding grounds especially stagnant water collections.

Although the disease, its causative agent and its vector were discovered in the 1800's, it continues to pose a significant challenge to the global health care sector even today. It has even won its researcher numerous awards including 3 Nobel Prizes to Ronald Ross (1902) for his discoveries about the transmission of malaria, Charles Louis Alphonse Laveran (1907) for his work on protozoan diseases and TuYouYou (2015) for her role in discovery of Artemisinin.

The disease has protean manifestations mainly presenting as intermittent fever with chills, headache, myalgia, vomiting, splenomegaly, anemia and thrombocytopenia. Falciparum infection and occasionally Vivax infection can present with complications including but not limited to cerebral malaria, algid malaria (shock), acute kidney injury, pulmonary edema, hemolysis and hypoglycemia which if not promptly treated can be fatal.

Effective malaria management strategies aim at early detection using investigations like Giemsa-stained blood smears and quantitative Buffy coat for identifying the parasite and identifying circulating plasmodial antigens. Treatment involves use of artemisinin-based combination therapies (ACTs), quinolones, and other antimalarials.

Recognising its significance, in 2007, the World Health Organization (WHO) established the World Malaria day which is observed every year on April 25th.

The theme of this year is "Malaria Ends with Us: Reinvest, Reimagine, Reignite."

It emphasizes the need for urgent action by the health care communities and bureaucracy alike. A malaria free future can be achieved via prompt case detection and treatment, vector control, source control and environmental management. There is a global advocacy for innovations and research as well as investment and planning activities.

Malaria is endemic in our country. Despite the challenges posed by our country's complex topography and diverse population, the efforts to reduce the disease burden have been ongoing and remarkably fruitful. The year 2024 marked India's symbolic departure from the WHO's High Burden High Impact (HBHI) group. Malaria is now notifiable in 34 States and Union territories.

Worldwide, there is renewed interest in Malaria research. Although identified as early as 1978, Tafenoquine was approved for use in the USA in 2018. It is an oral anti-malarial which can be used to prevent malaria. Two vaccines have been recommended by the WHO for use in children in high burden malaria endemic areas. They are the RTS,S/AS01 (Mosquirix) (GlaxoSmithKline Biologicals) and the R21/Matrix-M which are in use since 2021 and 2023 respectively. The R21/Matrix-M was produced by scientists at the University of Oxford, UK and Serum Institute of India.

The National vector borne disease control program (NVBDCP) outlines our commitment towards containing this infectious disease. Only through collective effort we can accomplish our targets of reaching "Zero Indigenous case by 2027" and "Malarial elimination certification by 2030."



Dr. Divya Prabhu

Associate Professor  
Department of General Medicine

**WELCOME**



**Dr. Sanjani Niranjana**  
Senior Resident, Microbiology



**Dr. Y. Jennifer Monica Asirvatham**  
Senior Resident, Pharmacology



**Dr. Ashwin K**  
Senior Resident, Respiratory Medicine



**Dr. Mansoor Shazaman Ulla Khan**  
Senior Resident, Paediatrics



**Dr. Chandrashekar B**  
Senior Resident, Anaesthesiology



**Dr. Suhas M**  
Senior Resident, General Medicine



**Dr. Ruthvik Bharadwaj**  
Senior Resident, Anaesthesiology  
(Posted to Critical Care Medicine)



**Dr. Isha Raaj**  
Senior Resident, Biochemistry



**Dr. Likitha M.J**  
Senior Resident, General Medicine



**Dr. Hasmitha J**  
Senior Resident, Paediatrics



**Dr. Kavana S**  
Senior Resident, OB&G



**Dr. Nisarga B.V**  
Senior Resident, Radio Diagnosis



**Dr. Vasudha K.V.**  
Senior Resident, Critical Care Medicine



**Dr. K S Joshua Prasad**  
Senior Resident, General Medicine



**Dr. Shantala Herlekar**  
Associate Professor, Physiology



**Dr. Chethana M**  
Senior Resident, Anaesthesiology



**Dr. Manasa B Anand**  
Senior Resident, ENT



**Dr. Varsha G**  
Senior Resident, OBG



**Dr. Manvitha Sreenivas**  
Senior Resident, ENT



**Dr. M A Aishwarya Veena**  
Senior Resident, Orthopaedics



**Dr. Narayan M. Itagi**  
Assistant Professor (Paediatric Intensivist), Paediatrics



**Dr. Afreen Mahaboob**  
Senior Resident, OB&G



**Sreedhara N**  
Medical Social Worker, Community Medicine

**SEPARATED**



**Dr. S R Aishwarya**  
Senior Resident, OBG



**Dr. Shree Harsha M**  
Assistant Professor, Anaesthesiology



**Dr. Durai Anand T**  
Assistant Professor, Orthopaedics



**Dr. Rashmi S**  
Senior Resident, General Surgery

## Dr. M S Ramaiah Centenary Cup -2025



Ramaiah hospitals organized Dr. M S Ramaiah Centenary Cup-2025-Inter Hospital Tennis Ball Cricket Tournament for three days for the hospitals. Around 24 Hospitals participated in the tournament. Dr. Ramesh D, Associate Dean, Ramaiah Medical College Hospital was the guest for the event.

