

# M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES

## PO, PSO & CO

**Programme: MD in Paediatrics**

**Programme Code: 137**

**Programme Outcome (PO)**

**Programme Specific Outcome (PSO)**

**Course Outcomes (CO)**

*Shalini*

**Principal and Dean**

M.S. Ramaiah Medical College and Hospital  
M.S. Ramaiah University of Applied Sciences

Bangalore - 560054



# Ramaiah Medical College (RMC)

## Programme Outcomes

### Post Graduate Programme: MD in Paediatrics

#### Programme objectives (PO) for MD Paediatrics Postgraduate students:

- PO1.** Develop the knowledge, skills and attitude to be a competent Paediatrician (C, P).
- PO2.** Demonstrate a commitment to excellence and continuous professional development with integrity, compassion and sensitivity to patient care. (A)
- PO3.** Acquire and develop the knowledge, skills and attitude required to be a competent and ethical researcher and teacher. (A, C, P)
- PO4.** Be able to independently manage emergency paediatric and neonatal care with a reasonable degree of professionalism and competence. (P)

## Programme Specific Outcomes (PSOs)

#### Programme specific outcome (PSO) for MD in Paediatrics Postgraduate students

- PSO1** -Demonstrate the ability to diagnose and treat all cases of child health including neonates using updated guidelines in medicine, with special ability to maintain interdisciplinary coordination. (C, A, P)
- PSO2**- Demonstrate appropriate proficiency in basic clinical skills appropriate for child health, ie. History, Physical Examination and Assessments of Growth/Development & Behavior, in arriving at the most likely clinical differential; in identifying precipitating or predisposing factors; prioritizing high risk versus low-risk conditions; and, those in need of emergency versus routine care. (C, A, P).
- PSO3** - Organise proper promotive and preventive care strategies in the community aimed at disease prevention, health promotion and clinical care of all children. (C, A, P).
- PSO4**-Demonstrate all aspects of effective and empathetic communication during most encounters with children and parents/guardians (C, A,P)
- PSO5** - Plan and conduct research related to the topic(C)
- PSO6** - Demonstrate the ability to organise teaching / training sessions for students and health workers in topics related to child health care. (P)

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## Course Outcomes (COs)

**Course Title & Code: Basic Sciences as related to Paediatrics (MDC541A)**

**Subjects At the end of the course, the students should be able to:**

- CO-1.** Demonstrate comprehensive knowledge of applied science including anatomy, physiology, biochemistry, pathology, pharmacology and microbiology as applied to paediatrics. (C)
- CO-2.** Demonstrate the understanding of various concepts of pharmacokinetics of common medications, immunology and their application. (C)
- CO-3.** Demonstrate integrity, accountability, respect, compassion and dedicated patient care, commitment to excellence, continuous professional development and ethical principles relating to research conduct and publication as applicable to all the specific courses. (A)

## Course Outcomes (COs)

**Course Title & Code: General Paediatrics (MDC542A)**

**Subjects At the end of the course, the students should be able to:**

- CO-1.** Demonstrate the growth at different ages using growth charts, complete development assessment by history and physical examination, and be able to recognize developmental disabilities. (C, A, P)
- CO-2.** Should be able to know the various infections, their management and their complications. (C, A, P)
- CO-3.** Demonstrate proficiency in eliciting, processing and systemically presenting Paediatrics history and examination with due emphasis of the important and minimization of less important facts. (C, A, P)

## Course Outcomes (COs)

**Course Title & Code: Systemic Paediatrics (MDC543A)**

**Subjects At the end of the course, the students should be able to:**

- CO-1.** Demonstrate the application of principles of systemic paediatrics including their clinical manifestation, investigation treatment and also counselling. (A, C,
- CO-2.** Demonstrate comprehensive knowledge of different methods of teaching-learning and assessments and also presenting seminars, journal clubs and clinicopathological conferences. (A, C, P)

## Course Outcomes (COs)

**Course Title & Code: Recent Advances (MDC544A)**

**Subjects At the end of the course, the students should be able to:**

- CO-1.** Apply newer advances in the comprehensive management in child health. (C)

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- CO-2. Demonstrate comprehensive skills in management of paediatric and neonatal emergencies. (C, A, P)
- CO-3. Apply legal aspects with child health. (A, C)
- CO-4. Should be conversant with newer advances in medicine including recent trials, discoveries, newer methods of imaging technologies and artificial intelligence. (C)

## Course Outcomes (COs)

Course Title & Code: Thesis- Paediatrics (MDP511A)

Subjects At the end of the course, the students should be able to:

- CO-1. Describe the techniques of research, identify available literature and critically analyse the same. (C)

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Registrar  
M.S. Ramaiah University of Applied Sciences  
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