

FELLOWSHIP IN PAEDIATRIC CARDIOLOGY

ABOUT THE UNIVERSITY

Malla Reddy Vishwavidyapeeth is a reputed educational institution located in Hyderabad, Telangana, India. Recognized as a “Deemed to be University under Distinct (Existing) Category,” the university offers multidisciplinary programs across medical, dental, nursing, pharmaceutical sciences, and allied health sciences. The institution emphasizes academic excellence, clinical expertise, innovation, and global collaboration in advancing healthcare education.

PROGRAM OVERVIEW

The Fellowship in Paediatric Cardiology is a one-year advanced program designed to train healthcare professionals in the diagnosis and management of cardiovascular diseases in infants and children.

The program focuses on:

- Congenital heart diseases
- Paediatric echocardiography and cardiac imaging
- Cardiac catheterization techniques
- Management of paediatric cardiac emergencies
- Interventional cardiology procedures
- Postoperative cardiac care and follow-up

The program integrates clinical training, hands-on exposure, and advanced diagnostic techniques to ensure comprehensive expertise in paediatric cardiology.

Department-of-Pediatrics_compre...
(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in paediatric cardiology.
 2. Diagnose and manage congenital and acquired heart diseases.
 3. Perform and interpret echocardiography and cardiac imaging.
 4. Assist in interventional cardiology procedures.
 5. Manage paediatric cardiac emergencies.
 6. Provide long-term cardiac care and follow-up.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage paediatric cardiac conditions effectively.
 2. **Diagnostic Skills:** Perform echocardiography and imaging.
 3. **Interventional Skills:** Assist in catheterization procedures.
 4. **Emergency Care:** Handle paediatric cardiac emergencies.
 5. **Postoperative Care:** Manage post-surgical cardiac patients.
 6. **Research Orientation:** Contribute to paediatric cardiology research.
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COURSE OUTCOMES (COS)

- CO1: Diagnose paediatric cardiac diseases.
 - CO2: Perform echocardiographic evaluation.
 - CO3: Assist in cardiac interventions.
 - CO4: Manage cardiac emergencies.
 - CO5: Integrate clinical and diagnostic cardiology practices.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in paediatric cardiology.
 2. Apply advanced diagnostic and interventional techniques.
 3. Integrate clinical practice with cardiac care.
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PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
 - Program Duration: One-Year Fellowship (to be University)
 - Mode of Delivery: Clinical + Cardiac Lab + Theoretical Training
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ELIGIBILITY CRITERIA

- Academic Qualification: MD/DNB Paediatrics or equivalent
 - Professional Requirement: As per institutional norms
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KEY FEATURES

- Advanced training in paediatric cardiology
- Hands-on exposure to echocardiography and cath lab

- Training in interventional procedures
 - Focus on congenital heart disease management
 - Evidence-based cardiac care
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of paediatric cardiac diseases
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COGNITIVE SKILLS

- Clinical decision-making in paediatric cardiology
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in echocardiography and cardiac procedures
 - Hands-on experience in cath lab and clinical settings
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TRANSFERABLE SKILLS

- Patient and family communication
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SUBJECT-SPECIFIC SKILLS

- Advanced paediatric cardiology diagnostic and interventional techniques
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CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF PAEDIATRIC CARDIOLOGY

- Basics of Paediatric Cardiology
 - Congenital Heart Diseases
 - Cardiac Physiology
 - Echocardiography
 - Cardiac Emergencies
 - Clinical Rotations
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SEMESTER 2: ADVANCED PAEDIATRIC CARDIOLOGY

- Interventional Cardiology
- Cardiac Catheterization
- Postoperative Cardiac Care

- Advanced Imaging
 - Case Studies
 - Research Project
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PRACTICAL COURSEWORK

- Echocardiography
 - Cardiac catheterization assistance
 - Clinical case management
 - Emergency care
 - Case discussions
 - Research and documentation
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CAREER OUTCOMES

Graduates can pursue careers as:

- Paediatric Cardiologist
- Cardiac Specialist
- Interventional Cardiology Assistant
- Clinical Researcher
- Academic and Teaching Professional

