

## FELLOWSHIP IN PAEDIATRIC INFECTIOUS DISEASES

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### 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.

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### PROGRAM OVERVIEW

The Fellowship in Paediatric Infectious Diseases is a one-year advanced program designed to train healthcare professionals in the diagnosis, treatment, and prevention of infectious diseases in children.

The program focuses on:

- Bacterial, viral, fungal, and parasitic infections
- Pediatric infectious diseases including tuberculosis and HIV
- Antimicrobial therapy and stewardship
- Infection control and hospital epidemiology
- Immunization and preventive strategies
- Emerging and re-emerging infectious diseases

The program integrates clinical training, laboratory exposure, and advanced diagnostic techniques to ensure comprehensive expertise in paediatric infectious diseases.

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(Deemed to be University)

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in paediatric infectious diseases.
  2. Diagnose and manage various infectious diseases in children.
  3. Apply antimicrobial therapy and stewardship principles.
  4. Implement infection control and preventive strategies.
  5. Interpret microbiological and laboratory investigations.
  6. Manage outbreaks and emerging infections.
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## PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage paediatric infectious diseases effectively.
  2. **Diagnostic Skills:** Interpret laboratory and microbiological findings.
  3. **Therapeutic Skills:** Apply antimicrobial therapy appropriately.
  4. **Preventive Care:** Implement immunization and infection control.
  5. **Public Health Skills:** Manage outbreaks and epidemiological concerns.
  6. **Research Orientation:** Contribute to infectious disease research.
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## COURSE OUTCOMES (COS)

- CO1: Diagnose paediatric infectious diseases.
  - CO2: Interpret microbiological investigations.
  - CO3: Manage antimicrobial therapy.
  - CO4: Implement infection control practices.
  - CO5: Integrate clinical and preventive strategies.
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## PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in paediatric infectious diseases.
  2. Apply advanced diagnostic and therapeutic techniques.
  3. Integrate clinical practice with preventive healthcare.
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## PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
  - Program Duration: One-Year Fellowship (to be University)
  - Mode of Delivery: Clinical + Laboratory + 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 infectious diseases
- Hands-on exposure to clinical and laboratory diagnostics

- Training in antimicrobial stewardship
  - Focus on infection prevention and control
  - Evidence-based clinical practice
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of paediatric infectious diseases
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### COGNITIVE SKILLS

- Clinical decision-making in infectious disease management
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in diagnosis and treatment of infections
  - Hands-on experience in clinical and lab settings
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### TRANSFERABLE SKILLS

- Patient and family counselling
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### SUBJECT-SPECIFIC SKILLS

- Advanced paediatric infectious disease management techniques
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## CURRICULUM MODULES – THEORY

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### SEMESTER 1: FUNDAMENTALS OF PAEDIATRIC INFECTIOUS DISEASES

- Basics of Infectious Diseases
  - Bacterial & Viral Infections
  - Tuberculosis & HIV
  - Antimicrobial Therapy
  - Clinical Rotations
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### SEMESTER 2: ADVANCED PAEDIATRIC INFECTIOUS DISEASES

- Fungal & Parasitic Infections
- Infection Control & Epidemiology
- Immunization
- Emerging Infections

- Case Studies
  - Research Project
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#### PRACTICAL COURSEWORK

- Clinical case management
  - Laboratory investigations
  - Antimicrobial stewardship
  - Infection control practices
  - Case discussions
  - Research and documentation
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#### CAREER OUTCOMES

Graduates can pursue careers as:

- Paediatric Infectious Disease Specialist
- Clinical Specialist
- Infection Control Expert
- Clinical Researcher
- Academic and Teaching Professional

