

## FELLOWSHIP IN PAEDIATRIC ORTHOPEDICS

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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 Orthopedics is a one-year advanced program designed to train healthcare professionals in the diagnosis and management of musculoskeletal disorders in children.

The program focuses on:

- Congenital and developmental musculoskeletal disorders
- Paediatric fractures and trauma
- Deformity correction and limb reconstruction
- Neuromuscular disorders
- Paediatric orthopaedic surgeries
- Growth-related conditions and rehabilitation

The program integrates clinical training, hands-on surgical exposure, and multidisciplinary care to ensure comprehensive expertise in paediatric orthopaedics.

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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 orthopaedic conditions.
  2. Diagnose and manage congenital and developmental disorders.
  3. Perform paediatric orthopaedic surgical procedures.
  4. Apply rehabilitation and long-term care strategies.
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### PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage paediatric musculoskeletal disorders.
  2. **Surgical Skills:** Perform paediatric orthopaedic procedures.
  3. **Diagnostic Skills:** Evaluate developmental and congenital conditions.
  4. **Rehabilitation Skills:** Ensure functional recovery and growth monitoring.
  5. **Complication Management:** Handle surgical and developmental complications.
  6. **Research Orientation:** Apply evidence-based paediatric orthopaedic practices.
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#### COURSE OUTCOMES (COS)

- CO1: Diagnose paediatric orthopaedic conditions.
  - CO2: Perform surgical and non-surgical treatments.
  - CO3: Manage paediatric trauma cases.
  - CO4: Handle deformities and rehabilitation.
  - CO5: Conduct research and case-based learning.
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#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in paediatric orthopedics.
  2. Apply advanced surgical and clinical techniques.
  3. Integrate clinical evaluation with growth-related management.
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#### PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
  - Program Duration: One-Year Fellowship
  - Mode of Delivery: Clinical Training + Hands-on Surgical Exposure + Theoretical Learning
- (Deemed to be University)
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#### ELIGIBILITY CRITERIA

- Academic Qualification: MS/DNB Orthopaedics or equivalent
  - Professional Requirement: As per institutional norms
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#### KEY FEATURES

- Advanced training in paediatric orthopaedics
- Hands-on exposure to paediatric surgical procedures
- Training in deformity correction and reconstruction
- Focus on growth and developmental care
- Evidence-based orthopaedic practice

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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of paediatric musculoskeletal disorders

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### COGNITIVE SKILLS

- Clinical decision-making in paediatric orthopaedics

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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in paediatric orthopaedic techniques
- Hands-on experience in OT and clinics

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### TRANSFERABLE SKILLS

- Patient and parent counseling

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### SUBJECT-SPECIFIC SKILLS

- Advanced paediatric orthopaedic surgical techniques

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## CURRICULUM MODULES – THEORY

- Paediatric Orthopaedics Basics
- Congenital Disorders
- Developmental Conditions (Deemed to be University)
- Paediatric Trauma
- Deformity Correction
- Neuromuscular Disorders
- Rehabilitation
- Complication Management
- Advances in Paediatric Orthopaedics

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## PRACTICAL COURSEWORK

- Paediatric case evaluation
- Surgical procedures
- Trauma management
- Rehabilitation planning

- Case discussions
  - Research and documentation
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## CAREER OUTCOMES

Graduates can pursue careers as:

- Paediatric Orthopaedic Surgeon
- Orthopaedic Consultant
- Deformity Correction Specialist
- Clinical Researcher
- Academic and Research Professional



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