

## FELLOWSHIP IN NEONATOLOGY

---

### 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 Neonatology is a comprehensive one-year advanced program designed for healthcare professionals specializing in the care of newborns, particularly those with complex medical conditions.

The program focuses on:

- Neonatal intensive care (NICU) management
- Care of premature and low birth weight infants
- Neonatal resuscitation and respiratory support
- Management of congenital conditions and infections
- Neonatal nutrition and developmental care
- Family-centered neonatal care

The program integrates clinical training, hands-on NICU exposure, and research to ensure comprehensive expertise in neonatal care.

Department-of-Pediatrics\_compre...  
(Deemed to be University)

---

### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in neonatal disease diagnosis and management.
  2. Master neonatal intensive care and resuscitation techniques.
  3. Manage premature infants and neonatal complications.
  4. Apply nutritional strategies for neonatal growth and development.
  5. Provide family-centered care and counseling.
  6. Integrate research into neonatal clinical practice.
-

## PROGRAM OUTCOMES (POS)

1. NICU Expertise: Manage critically ill neonates effectively.
  2. Respiratory Skills: Apply ventilation and respiratory support techniques.
  3. Nutritional Skills: Manage neonatal nutrition and growth.
  4. Neurological Care: Diagnose and manage neonatal neurological conditions.
  5. Family-Centered Care: Communicate and support families effectively.
  6. Research Orientation: Contribute to neonatal research and innovation.
- 

## COURSE OUTCOMES (COS)

- CO1: Perform neonatal resuscitation and intensive care procedures.
  - CO2: Manage premature infants and complications.
  - CO3: Diagnose and treat neonatal infections and disorders.
  - CO4: Apply neonatal neurological and developmental care.
  - CO5: Integrate research into clinical neonatal practice.
- 

## PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in neonatology.
  2. Apply advanced neonatal care techniques.
  3. Integrate clinical practice with evidence-based neonatal care.
- 

## PROGRAM DETAILS

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

## ELIGIBILITY CRITERIA

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

## KEY FEATURES

- Advanced training in neonatal intensive care
- Hands-on exposure in NICU settings

- Training in neonatal resuscitation and ventilation
  - Focus on premature infant care and development
  - Research-driven clinical practice
- 

## LEARNING OUTCOMES

---

### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of neonatal diseases and care
- 

### COGNITIVE SKILLS

- Clinical decision-making in neonatal critical care
- 

### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in NICU procedures and neonatal management
  - Hands-on experience in neonatal intensive care
- 

### TRANSFERABLE SKILLS

- Family counseling and communication
- 

### SUBJECT-SPECIFIC SKILLS

- Advanced neonatal care and resuscitation techniques
- 

## CURRICULUM MODULES – THEORY

---

### SEMESTER 1: FUNDAMENTALS OF NEONATOLOGY

- Introduction to Neonatology
  - Neonatal Resuscitation
  - Respiratory Support in Neonates
  - Neonatal Infections & Sepsis
  - Premature Infant Care
  - NICU Clinical Rotations
- 

### SEMESTER 2: ADVANCED NEONATAL CARE AND RESEARCH

- Neonatal Nutrition
- Neonatal Neurology
- Congenital Anomalies

- Family-Centered Care
  - Developmental Neonatology
  - Research Project & Case Studies
- 

#### PRACTICAL COURSEWORK

- Neonatal resuscitation
  - NICU management
  - Ventilation techniques
  - Clinical case discussions
  - Documentation and reporting
  - Research work
- 

#### CAREER OUTCOMES

Graduates can pursue careers as:

- Neonatologist
- Paediatric Intensivist
- NICU Specialist
- Clinical Researcher
- Academic and Teaching Professional

