

FELLOWSHIP IN MINIMAL INVASIVE SURGERY

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 Minimal Invasive Surgery is a specialized program designed to develop expertise in laparoscopic and minimally invasive surgical techniques across various surgical disciplines.

The program focuses on:

- Principles of minimally invasive surgery
- Laparoscopic surgical techniques
- Advanced instrumentation and energy devices
- GI, urological, and gynecological laparoscopic procedures
- Endoscopic and robotic-assisted surgery
- Patient safety and postoperative recovery

The program integrates **clinical exposure, simulation training, and hands-on surgical procedures**, ensuring comprehensive expertise in minimally invasive surgery.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform minimally invasive surgical procedures effectively.
 2. Apply advanced laparoscopic and endoscopic techniques.
 3. Ensure patient safety and improved surgical outcomes.
 4. Deliver patient-centered and evidence-based care.
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PROGRAM OUTCOMES (POS)

1. **Surgical Expertise:** Perform laparoscopic and minimally invasive procedures.

2. **Technical Skills:** Utilize advanced instruments and energy devices effectively.
 3. **Clinical Decision-Making:** Select appropriate surgical approaches for patients.
 4. **Patient Safety:** Minimize complications and enhance recovery.
 5. **Multidisciplinary Approach:** Collaborate across surgical specialties.
 6. **Innovation:** Adapt to emerging technologies such as robotic surgery.
 7. **Evidence-Based Practice:** Apply current minimally invasive surgical guidelines.
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COURSE OUTCOMES (COS)

- **CO1:** Understand principles of minimally invasive surgery.
 - **CO2:** Perform laparoscopic surgical procedures effectively.
 - **CO3:** Apply endoscopic and robotic-assisted techniques.
 - **CO4:** Manage intraoperative and postoperative complications.
 - **CO5:** Ensure optimal patient outcomes and recovery.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in minimally invasive surgical procedures.
 2. Apply advanced laparoscopic and endoscopic techniques effectively.
 3. Integrate multidisciplinary approaches in surgical care.
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PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
- **Program Duration:** One-Year Fellowship
- **Mode of Delivery:** Clinical Training + Simulation + Surgical Exposure

(Deemed to be University)

ELIGIBILITY CRITERIA

- **Academic Qualification:** MBBS with MS/DNB in General Surgery or equivalent
 - **Professional Requirement:** As per institutional norms
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KEY FEATURES

- Specialized training in minimally invasive surgery
- Hands-on exposure to laparoscopic and endoscopic procedures
- Training in advanced surgical instruments and techniques
- Focus on faster recovery and patient safety
- Exposure to robotic-assisted surgical techniques

- Integration across multiple surgical specialties
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of minimally invasive surgical principles.
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COGNITIVE SKILLS

- Clinical decision-making in selecting appropriate surgical techniques.
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in laparoscopic and endoscopic surgical procedures.
 - Hands-on experience in OT and simulation labs.
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TRANSFERABLE SKILLS

- Communication and patient counseling skills.
 - Multidisciplinary teamwork and coordination.
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SUBJECT-SPECIFIC SKILLS

- Advanced minimally invasive and laparoscopic surgical techniques.
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CURRICULUM MODULES – THEORY

- Principles of Minimally Invasive Surgery
 - Laparoscopic Surgical Techniques
 - Endoscopic and Robotic Surgery
 - Energy Devices and Instrumentation
 - GI, Urological, and Gynecological Procedures
 - Patient Safety and Surgical Outcomes
 - Complications and Risk Management
 - Preoperative and Postoperative Care
 - Simulation-Based Surgical Training
 - Advances in Minimally Invasive Surgery
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PRACTICAL COURSEWORK

- Clinical training in minimally invasive surgery units
 - Laparoscopic and endoscopic procedures
 - Simulation-based surgical training
 - Use of advanced instruments and energy devices
 - Management of surgical cases and complications
 - Preoperative and postoperative patient care
 - Case documentation and clinical evaluation
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CAREER OUTCOMES

Graduates of the Fellowship in Minimal Invasive Surgery can pursue careers as:

- Laparoscopic Surgeon
- Minimal Invasive Surgery Specialist
- General Surgery Consultant
- Surgical Specialist in Tertiary Care Hospitals
- Academic and Research Roles in Surgery

