

FELLOWSHIP IN MINIMAL INVASIVE GASTRO 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 Gastro Surgery is a specialized program designed to develop expertise in laparoscopic and minimally invasive surgical techniques for gastrointestinal disorders.

The program focuses on:

- Principles of minimally invasive gastrointestinal surgery
- Laparoscopic procedures for upper and lower GI conditions
- Hepatobiliary and pancreatic minimally invasive surgery
- Advanced instrumentation and energy devices
- Preoperative planning and postoperative care
- Management of GI malignancies using minimally invasive techniques

The program integrates **clinical exposure, simulation-based training, and hands-on surgical procedures**, ensuring comprehensive expertise in minimally invasive gastrointestinal surgery. (Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

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

1. **Clinical Expertise:** Diagnose and manage gastrointestinal surgical conditions.
 2. **Surgical Skills:** Perform laparoscopic GI and hepatobiliary procedures.
 3. **Technical Proficiency:** Utilize advanced instruments and energy devices effectively.
 4. **Oncological Management:** Apply minimally invasive approaches in GI cancers.
 5. **Patient Safety:** Minimize complications and enhance recovery.
 6. **Multidisciplinary Approach:** Collaborate with gastroenterologists and oncologists.
 7. **Evidence-Based Practice:** Apply current guidelines in GI surgery.
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COURSE OUTCOMES (COS)

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

1. Demonstrate expertise in minimally invasive gastrointestinal surgery.
 2. Apply advanced laparoscopic and surgical techniques effectively.
 3. Integrate multidisciplinary approaches in GI 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
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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 GI surgery
- Hands-on exposure to laparoscopic GI and hepatobiliary procedures
- Training in advanced surgical instruments and techniques
- Focus on minimally invasive management of GI diseases

- Exposure to GI oncology and complex surgical cases
 - Integration of surgery with gastroenterology
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of minimally invasive GI surgical techniques.
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COGNITIVE SKILLS

- Clinical decision-making in complex gastrointestinal surgical cases.
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in laparoscopic gastrointestinal 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 GI surgical techniques.
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CURRICULUM MODULES – THEORY

- Principles of Minimally Invasive GI Surgery
 - Laparoscopic Upper GI Surgery
 - Laparoscopic Colorectal Surgery
 - Hepatobiliary and Pancreatic Surgery
 - GI Oncology and Minimally Invasive Approaches
 - Surgical Instrumentation and Energy Devices
 - Preoperative Planning and Imaging
 - Postoperative Care and Complications
 - Advanced Laparoscopic Techniques
 - Advances in GI Surgery
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PRACTICAL COURSEWORK

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

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

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

