

FELLOWSHIP IN ROBOTIC COLORECTAL 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 Robotic Colorectal Surgery is a specialized program designed to develop expertise in performing advanced colorectal procedures using robotic-assisted surgical technology.

The program focuses on:

- Anatomy and physiology of the colon and rectum
- Robotic-assisted colorectal surgical techniques
- Management of colorectal cancers and benign conditions
- Minimally invasive and precision surgery
- Preoperative planning and postoperative care
- Integration of robotics in colorectal procedures

The program integrates **robotic simulation training, clinical exposure, and hands-on surgical experience**, ensuring advanced competency in robotic colorectal surgery.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Perform robotic-assisted colorectal surgical procedures effectively.
 2. Diagnose and manage colorectal diseases requiring surgical intervention.
 3. Apply advanced minimally invasive and robotic techniques.
 4. Deliver patient-centered and evidence-based surgical care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage colorectal diseases including cancers.

2. **Surgical Skills:** Perform robotic colorectal surgeries with precision.
3. **Technical Proficiency:** Operate robotic systems and instruments effectively.
4. **Oncological Management:** Apply principles of colorectal cancer surgery.
5. **Patient Safety:** Minimize complications and enhance recovery outcomes.
6. **Multidisciplinary Approach:** Collaborate with oncologists and gastroenterologists.
7. **Evidence-Based Practice:** Apply updated colorectal surgery guidelines.

COURSE OUTCOMES (COS)

- **CO1:** Understand colorectal anatomy and robotic surgical principles.
- **CO2:** Perform robotic colorectal surgical procedures effectively.
- **CO3:** Apply minimally invasive and robotic techniques.
- **CO4:** Manage complications and postoperative care.
- **CO5:** Ensure optimal patient outcomes and recovery.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in robotic colorectal surgical procedures.
2. Apply advanced robotic and minimally invasive techniques effectively.
3. Integrate multidisciplinary approaches in colorectal surgical care.

PROGRAM DETAILS

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

(Deemed to be University)

ELIGIBILITY CRITERIA

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

KEY FEATURES

- Specialized training in robotic colorectal surgery
- Hands-on exposure to robotic surgical systems
- Training in minimally invasive and precision techniques
- Focus on colorectal cancer and complex cases
- Exposure to advanced imaging and surgical planning

- Integration of robotics with surgical oncology
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of colorectal diseases and robotic surgery.
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COGNITIVE SKILLS

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

- Proficiency in robotic colorectal surgical procedures.
 - Hands-on experience in robotic consoles and OT settings.
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TRANSFERABLE SKILLS

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

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

- Colorectal Anatomy and Physiology
 - Principles of Robotic Surgery
 - Robotic Colorectal Procedures
 - Colorectal Cancer and Surgical Oncology
 - Minimally Invasive Surgical Techniques
 - Preoperative Planning and Imaging
 - Complications and Risk Management
 - Postoperative Care and Recovery
 - Multidisciplinary Colorectal Care
 - Advances in Robotic Surgery
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PRACTICAL COURSEWORK

- Robotic simulation and console-based training
 - Assisted and supervised robotic colorectal surgeries
 - Management of colorectal cancer cases
 - Preoperative and postoperative patient care
 - Case discussions and surgical evaluation
 - Multidisciplinary tumor board participation
 - Case documentation and clinical assessment
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CAREER OUTCOMES

Graduates of the Fellowship in Robotic Colorectal Surgery can pursue careers as:

- Robotic Colorectal Surgeon
- Colorectal Surgery Specialist
- Surgical Oncologist (Colorectal Focus)
- Consultant in Tertiary Care and Cancer Centers
- Academic and Research Roles in Surgical Gastroenterology

