

## FELLOWSHIP IN SIMULATION MEDICINE

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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 Simulation Medicine is a specialized program designed to develop expertise in simulation-based medical education, training, and clinical skill enhancement.

The program focuses on:

- Principles of simulation-based learning
- Design and delivery of simulation scenarios
- Clinical skills training using simulators
- Crisis resource management (CRM)
- Patient safety and error reduction strategies
- Debriefing and feedback techniques

The program integrates **simulation lab training, clinical integration, and hands-on teaching experience**, ensuring competency in simulation-based healthcare education.

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(Deemed to be University)

### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Design and implement simulation-based training programs.
  2. Enhance clinical skills through simulation techniques.
  3. Improve patient safety and reduce medical errors.
  4. Deliver effective teaching and debriefing sessions.
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### PROGRAM OUTCOMES (POS)

1. **Educational Expertise:** Develop and deliver simulation-based curricula.
2. **Simulation Skills:** Design realistic clinical scenarios for training.

3. **Teaching Proficiency:** Conduct debriefing and feedback sessions effectively.
  4. **Patient Safety:** Apply simulation to improve clinical safety and outcomes.
  5. **Technical Skills:** Utilize advanced simulation equipment and technology.
  6. **Team Training:** Facilitate teamwork and communication training (CRM).
  7. **Innovation:** Contribute to advancements in simulation-based education.
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#### COURSE OUTCOMES (COS)

- **CO1:** Understand principles of simulation-based education.
  - **CO2:** Design and implement simulation scenarios.
  - **CO3:** Conduct simulation training and debriefing sessions.
  - **CO4:** Apply simulation in clinical skill development.
  - **CO5:** Improve patient safety through simulation techniques.
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#### PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in simulation-based medical education.
  2. Apply advanced teaching and training methodologies.
  3. Integrate simulation techniques into clinical practice and training.
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#### PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
  - **Program Duration:** One-Year Fellowship
  - **Mode of Delivery:** Simulation Training + Teaching Practice + Theoretical Learning
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(Deemed to be University)

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#### ELIGIBILITY CRITERIA

- **Academic Qualification:** MBBS / MD / DNB / Allied Health Professionals with clinical experience
  - **Professional Requirement:** As per institutional norms
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#### KEY FEATURES

- Specialized training in simulation-based medical education
- Hands-on exposure to advanced simulation labs
- Training in scenario design and debriefing techniques
- Focus on patient safety and clinical skill enhancement
- Exposure to crisis resource management (CRM)

- Integration of education with clinical practice
  - Evidence-based teaching methodologies
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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of simulation-based learning principles.
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### COGNITIVE SKILLS

- Instructional design and scenario planning skills.
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### PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in conducting simulation training sessions.
  - Hands-on experience with simulation equipment and labs.
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### TRANSFERABLE SKILLS

- Teaching, communication, and feedback skills.
  - Team training and leadership development.
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### SUBJECT-SPECIFIC SKILLS

- Advanced simulation-based education and patient safety techniques.
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## CURRICULUM MODULES – THEORY

- Principles of Simulation Medicine
  - Simulation-Based Education Techniques
  - Scenario Design and Development
  - Crisis Resource Management (CRM)
  - Debriefing and Feedback Methods
  - Patient Safety and Error Prevention
  - Clinical Skills Training via Simulation
  - Assessment in Simulation-Based Learning
  - Educational Technology in Healthcare
  - Advances in Simulation Medicine
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## PRACTICAL COURSEWORK

- Hands-on training in simulation labs
  - Designing and conducting simulation scenarios
  - Debriefing and feedback sessions
  - Clinical skill training using simulators
  - Team-based training and CRM exercises
  - Teaching practice and faculty development
  - Case documentation and evaluation
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## CAREER OUTCOMES

Graduates of the Fellowship in Simulation Medicine can pursue careers as:

- Simulation-Based Medical Educator
- Clinical Skills Trainer
- Medical Education Specialist
- Simulation Lab Director
- Patient Safety and Training Consultant
- Academic and Research Roles in Medical Education

