

FELLOWSHIP IN TOXICOLOGY

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 Toxicology is a one-year intensive program designed to train healthcare professionals in the diagnosis and management of toxic exposures and poisoning.

The program focuses on:

- Clinical toxicology and poisoning management
- Forensic toxicology and substance analysis
- Drug toxicity and adverse effects
- Environmental and occupational toxicology
- Laboratory techniques in toxicology
- Medico-legal aspects of poisoning

The program integrates laboratory training, clinical exposure, and advanced diagnostic techniques to ensure comprehensive expertise in toxicology.

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(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in toxicological diagnostics and management.
 2. Identify and manage various types of poisoning.
 3. Apply laboratory and analytical techniques in toxicology.
 4. Understand environmental and occupational toxic exposures.
 5. Integrate toxicological findings with clinical and forensic practice.
 6. Maintain quality standards in reporting.
 7. Conduct research in toxicology.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage toxic exposures.
 2. **Laboratory Skills:** Perform toxicological analysis.
 3. **Technical Skills:** Apply analytical and forensic techniques.
 4. **Clinical Integration:** Correlate toxicology with clinical findings.
 5. **Quality Assurance:** Ensure standardized reporting systems.
 6. **Research Orientation:** Contribute to advancements in toxicology.
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COURSE OUTCOMES (COS)

- CO1: Diagnose poisoning and toxic exposures.
 - CO2: Apply toxicological analysis techniques.
 - CO3: Manage clinical toxicology cases.
 - CO4: Understand environmental and occupational hazards.
 - CO5: Integrate toxicology with clinical and forensic practice.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in toxicology.
 2. Apply advanced analytical and diagnostic techniques.
 3. Integrate laboratory findings with clinical evaluation.
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PROGRAM DETAILS

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

- Academic Qualification: MBBS with MD/DNB in Pathology / Pharmacology / Forensic Medicine or equivalent
 - Professional Requirement: As per institutional norms
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KEY FEATURES

- Advanced training in clinical and forensic toxicology
 - Hands-on exposure to toxicological analysis
 - Training in environmental and occupational toxicology
 - Focus on diagnosis and management of poisoning
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of toxicological principles
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COGNITIVE SKILLS

- Analytical decision-making in toxicology
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in toxicological analysis and case management
 - Hands-on experience in labs and clinical settings
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TRANSFERABLE SKILLS

- Clinical correlation and medico-legal understanding
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SUBJECT-SPECIFIC SKILLS

- Advanced toxicology diagnostic and analytical techniques
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CURRICULUM MODULES – THEORY

SEMESTER 1: FUNDAMENTALS OF TOXICOLOGY

- Basics of Toxicology
 - Clinical Toxicology
 - Drug Toxicity
 - Environmental & Occupational Toxicology
 - Laboratory Techniques
 - Clinical Rotations
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SEMESTER 2: ADVANCED TOXICOLOGY

- Forensic Toxicology
 - Poison Management
 - Analytical Techniques
 - Medico-legal Aspects
 - Case Studies
 - Research Project
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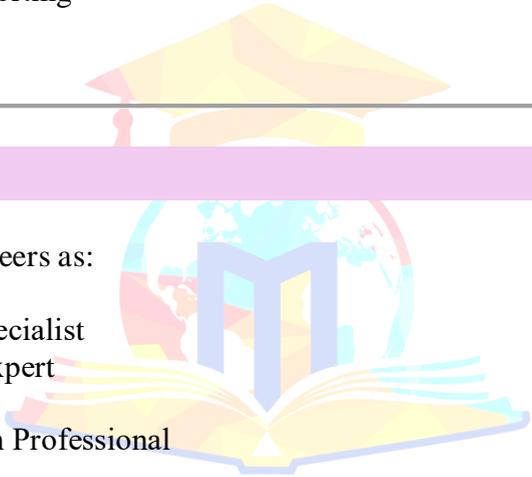
PRACTICAL COURSEWORK

- Toxicology case evaluation
 - Laboratory analysis
 - Poison management
 - Case discussions
 - Documentation and reporting
 - Research work
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CAREER OUTCOMES

Graduates can pursue careers as:

- Toxicologist
- Clinical Toxicology Specialist
- Forensic Toxicology Expert
- Laboratory Specialist
- Academic and Research Professional



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