

## FELLOWSHIP IN GENO DERMATOSES

### 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 Geno Dermatoses is a one-year advanced program designed to provide healthcare professionals with specialized knowledge in genetic skin disorders and inherited dermatological conditions.

The program focuses on:

- Genetic and hereditary skin diseases
- Molecular mechanisms underlying genetic dermatological disorders
- Diagnosis and management of inherited skin conditions
- Genetic counseling and patient care for hereditary dermatoses
- Advances in genetic testing and molecular dermatology
- Research and innovations in genodermatoses

The fellowship integrates theoretical learning, clinical exposure, and research to develop expertise in the diagnosis and management of genetic dermatological conditions.

(Deemed to be University)

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### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in diagnosing and managing inherited dermatological disorders.
  2. Understand genetic mechanisms and molecular pathways associated with skin diseases.
  3. Apply modern diagnostic techniques including genetic testing for dermatoses.
  4. Provide genetic counseling and management strategies for affected individuals and families.
  5. Conduct research to advance understanding and treatment of genodermatoses.
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## PROGRAM OUTCOMES (POS)

1. **Expertise in Genetic Skin Disorders:** Diagnose and manage hereditary dermatological conditions.
  2. **Understanding of Molecular Dermatology:** Interpret genetic mechanisms underlying skin diseases.
  3. **Application of Genetic Diagnostic Techniques:** Utilize genetic testing and molecular diagnostic methods.
  4. **Genetic Counseling Skills:** Provide counseling and guidance for patients with inherited skin disorders.
  5. **Clinical Management of Rare Dermatoses:** Manage rare and complex genetic skin conditions effectively.
  6. **Research in Geno Dermatoses:** Contribute to research and innovation in genetic dermatology.
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## COURSE OUTCOMES (COS)

- **CO1:** Identify and diagnose inherited dermatological disorders.
  - **CO2:** Apply genetic and molecular diagnostic techniques in dermatology.
  - **CO3:** Understand the pathogenesis of genetic skin diseases.
  - **CO4:** Develop management plans for patients with genodermatoses.
  - **CO5:** Provide genetic counseling and patient education.
  - **CO6:** Conduct research and contribute to advancements in genetic dermatology.
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## PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in diagnosing genetic dermatological disorders.
  2. Apply molecular diagnostic techniques in dermatology practice.
  3. Integrate clinical care with research in genetic dermatology.
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## PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
  - **Program Duration:** One-Year Fellowship
  - **Mode of Delivery:** Clinical Training + Theoretical Learning + Research
  - **Total Credits:** 40
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## ELIGIBILITY CRITERIA

- **Academic Qualification:** MBBS with MD/DNB in Dermatology or Pathology
- **Professional Requirement:** As per institutional norms

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## KEY FEATURES

- Specialized training in inherited dermatological disorders
- Exposure to genetic and molecular diagnostic techniques
- Training in genetic counseling for patients with hereditary skin diseases
- Clinical experience in managing rare genetic dermatoses
- Research-oriented approach in genetic dermatology

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## LEARNING OUTCOMES

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### KNOWLEDGE & UNDERSTANDING

Comprehensive understanding of genetic mechanisms and hereditary dermatological disorders.

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### COGNITIVE SKILLS

Ability to analyze genetic dermatological conditions and apply diagnostic strategies.

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### PRACTICAL & PROFESSIONAL SKILLS

Hands-on expertise in genetic diagnostic techniques and management of inherited skin diseases.

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### TRANSFERABLE SKILLS

Effective patient communication and genetic counseling skills.

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### SUBJECT-SPECIFIC SKILLS

Advanced expertise in genodermatoses, molecular dermatology, and hereditary skin disease management.

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## CURRICULUM MODULES – THEORY

- Introduction to Geno Dermatoses
- Genetics and Molecular Biology of Skin Diseases
- Classification of Genetic Skin Disorders
- Diagnostic Techniques in Genetic Dermatology
- Clinical Management of Inherited Skin Conditions
- Genetic Counseling in Dermatology
- Rare and Complex Genodermatoses

- Advances in Molecular Dermatology
  - Ethical Considerations in Genetic Medicine
  - Research Methodology in Geno Dermatoses
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#### PRACTICAL COURSEWORK

- Clinical evaluation of patients with genetic skin disorders
  - Interpretation of genetic testing and molecular diagnostic reports
  - Genetic counseling sessions for patients and families
  - Clinical case discussions and diagnostic analysis
  - Research project and clinical documentation
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#### CAREER OUTCOMES

Graduates of the Fellowship in Geno Dermatoses can pursue careers as:

- Genetic Dermatology Specialist
- Consultant in Rare Genetic Skin Disorders
- Clinical Practitioner in Dermatology Hospitals and Clinics
- Academic and Research Professional in Genetic Dermatology
- Specialist in Molecular Dermatology Research

