

FELLOWSHIP IN MAXILLOFACIAL PROSTHODONTICS (FDS)

ABOUT THE UNIVERSITY

Malla reddy vishwavidyapeeth is a reputed educational institution located in Hyderabad, Telangana, India. Recognized as a deemed to be university under the distinct (existing) category, the university offers multidisciplinary programs in medical, dental, nursing, pharmaceutical sciences, engineering, and allied health sciences. The institution is committed to academic excellence, research innovation, advanced clinical training, and global academic collaborations, contributing significantly to high-quality healthcare education and professional training.

PROGRAM OVERVIEW

The Fellowship in Maxillofacial Prosthodontics (FDS) is a one-year advanced academic and clinical training program designed to develop expertise in the rehabilitation of patients with maxillofacial defects resulting from congenital anomalies, trauma, pathology, or surgical interventions. The program emphasizes interdisciplinary care, precision prosthetic rehabilitation, material science, and patient-centered outcomes.

Key Focus Areas:

- Maxillofacial defects and rehabilitation principles
- Intraoral and extraoral maxillofacial prostheses
- Prosthetic management of head and neck cancer patients
- Materials and technologies in maxillofacial prosthetics
- Digital workflows and CAD-CAM applications
- Psychological and social aspects of maxillofacial rehabilitation

The fellowship integrates didactic learning with hands-on laboratory training, supervised clinical practice, and interdisciplinary collaboration through a hybrid learning model.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates of the program will be able to:

- **PEO1:** Demonstrate proficiency in diagnosis and treatment planning for maxillofacial prosthetic rehabilitation.
 - **PEO2:** Fabricate and deliver intraoral and extraoral maxillofacial prostheses.
 - **PEO3:** Apply ethical, professional, and patient-centered principles in maxillofacial care.
 - **PEO4:** Integrate digital technologies and evidence-based practices in prosthodontic rehabilitation.
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PROGRAM OUTCOMES (POS)

1. **Clinical Competence:** Provide comprehensive maxillofacial prosthodontic rehabilitation.
2. **Treatment Planning:** Develop multidisciplinary rehabilitation strategies.
3. **Evidence-Based Practice:** Apply current research and material science knowledge.
4. **Digital Proficiency:** Utilize CAD–CAM, digital impressions, and 3D printing.
5. **Critical Thinking:** Manage complex rehabilitation challenges.
6. **Communication Skills:** Counsel patients and caregivers effectively.
7. **Practice Management:** Maintain documentation and quality standards.
8. **Lifelong Learning:** Engage in research and continuing professional development.

COURSE OUTCOMES (COS)

- **CO1:** Understand principles of maxillofacial prosthodontics and defect classification.
- **CO2:** Perform clinical and laboratory procedures for maxillofacial prostheses.
- **CO3:** Apply digital workflows in prosthetic fabrication.
- **CO4:** Manage complications and maintenance of prostheses.
- **CO5:** Document and present maxillofacial prosthodontic cases.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate competency in fabrication of intraoral and extraoral maxillofacial prostheses.
2. Apply advanced materials and techniques for functional and esthetic rehabilitation.
3. Integrate interdisciplinary and digital approaches in maxillofacial prosthodontics.

PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
- **Program Duration:** One-Year Modular Fellowship
- **Mode of Delivery:** Hybrid (On-Campus + Online Learning)

ELIGIBILITY CRITERIA

- **Academic Qualification:** B.D.S. or equivalent from a recognized institution
- **Professional Registration:** Valid DCI or equivalent registration

KEY FEATURES

- Comprehensive maxillofacial prosthodontics curriculum
 - Hands-on laboratory and clinical training
 - Interdisciplinary collaboration with OMFS and oncology teams
 - Digital prosthodontics and CAD–CAM exposure
 - Emphasis on esthetics, function, and patient psychology
 - Research and case documentation support
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Classification of maxillofacial defects
 - Materials used in maxillofacial prosthetics
 - Principles of surgical–prosthetic rehabilitation
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COGNITIVE SKILLS

- Treatment planning for complex defects
 - Problem solving in prosthetic rehabilitation
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PRACTICAL & PROFESSIONAL SKILLS

- Fabrication of obturators, facial prostheses, and implant-retained prostheses
 - Chairside and laboratory procedures
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TRANSFERABLE SKILLS

- Patient counseling and psychological support
 - Clinical documentation and reporting
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PROGRAM STRUCTURE – 6 MODULES

Module	Focus Area
Module 1	Fundamentals of Maxillofacial Prosthodontics
Module 2	Intraoral Maxillofacial Prostheses
Module 3	Extraoral Facial Prostheses
Module 4	Materials, Retention & Implants
Module 5	Digital Maxillofacial Prosthodontics
Module 6	Comprehensive Rehabilitation & Case Management

CURRICULUM MODULES – THEORY

Module	Key Topics Covered	Learning Outcomes
Module 1	Defect classification, anatomy	Understand fundamentals
Module 2	Obturator, speech aids	Manage intraoral defects
Module 3	Auricular, nasal, orbital prostheses	Fabricate facial prostheses
Module 4	Materials, implants, retention	Apply advanced techniques
Module 5	CAD-CAM, digital impressions	Use digital workflows
Module 6	Multidisciplinary rehab, documentation	Deliver comprehensive care

ELABORATED PRACTICAL COURSEWORK

1. PRECLINICAL / LABORATORY TRAINING

- Impression techniques for maxillofacial defects
- Wax patterning and prosthesis fabrication
- Material handling and coloring techniques

2. SUPERVISED CLINICAL PROCEDURES

- Intraoral and extraoral prosthesis delivery
- Follow-up and maintenance protocols

3. CLINICAL OBSERVATION

- Observation of surgical resections and rehabilitation planning

4. CASE EXECUTION & DOCUMENTATION

- Minimum 6–8 documented maxillofacial prosthodontic cases
- Pre- and post-rehabilitation records

5. RESEARCH & ACADEMIC WORK

- Journal clubs
- Case reports in maxillofacial prosthodontics

6. COMPREHENSIVE CASE PORTFOLIO

- Complete case documentation
- Panel presentation and evaluation

ASSESSMENT & CERTIFICATION

- Direct Observation of Procedural Skills (DOPS)
- OSCE
- Clinical logbook & portfolio
- Case presentation and viva voce

DEPARTMENT RESPONSIBILITIES

- **Prosthodontics:** Academic instruction, laboratory and clinical supervision
- **Oral & Maxillofacial Surgery:** Surgical coordination and defect management
- **Oncology / ENT:** Interdisciplinary rehabilitation support

THIS FELLOWSHIP AIMS TO DEVELOP SKILLED, COMPASSIONATE, AND TECHNOLOGICALLY PROFICIENT MAXILLOFACIAL PROSTHODONTIC PRACTITIONERS.

ANNEXURE I: PEO-PO MAPPING

PEO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
PEO1	✓	✓		✓	✓	✓		
PEO2	✓	✓	✓	✓	✓			
PEO3		✓	✓		✓	✓	✓	
PEO4		✓		✓	✓	✓		✓

ANNEXURE II: PO-PSO MAPPING

PO / PSO	PSO1	PSO2	PSO3
PO1	✓	✓	
PO2	✓	✓	
PO3	✓		✓
PO4		✓	✓
PO5	(Deemed to be University) ✓	✓	✓
PO6	✓		✓
PO7	✓		
PO8			✓

ANNEXURE III: CO-PO-PSO MAPPING MATRIX

CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	✓	✓		✓					✓		✓
CO2	✓	✓	✓		✓				✓	✓	
CO3	✓	✓	✓	✓	✓				✓	✓	✓
CO4		✓	✓		✓	✓			✓		✓
CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓		

