DEPARTMENT OF PROSTHODONTICS

Achievements- JAN 2026 to SEPT 2026

1.	RESEARCH PROJECT - ONGOING	○ Clinical feasibility, readability and patient acceptance of NFC tag integration in dental prostheses for identification and follow-up: a prospective observational study ○ From knowledge to practice: information seeking trends among dental faculty and postgraduate students ○ Comparative evaluation of the dimensional accuracy of digital versus conventional implant impression techniques: an in vitro study ○ Comparative evaluation of different cementation techniques on marginal adaptation and retention of provisional crowns: an in vitro study ○ Comparative evaluation of flexural strength of four different commercially available provisional restorative materials

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		fabricated by direct technique and cad/cam technique immersed in different dietary solutions: an in vitro study ○ Comprehensive evaluation of dental, gingival, smile and facial parameters influencing smile esthetics: a photographic study ○ Comparative analysis of timedependent dimensional stability, surface hardness & digital scan accuracy of three different commercially available vinyl polysiloxane interocclusal recording materials: an in vitro study ○ Comparative evaluation of flexural strength and impact strength of conventional heat cure, cad/cam milled , 3-d printed denture base resins after immersion in beverage solutions- an in-vitro study

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2.	PUBLICATIONS	➢ In Vivo Comparison of Retention, Maximum Bite Force, and Patient Satisfaction Between Different Attachment Systems Used in Implant-Retained Overdentures ➢ Impression materials in prosthodontics: a comprehensive review, international journal of research in health and allied sciences. ➢ Evaluation of Screw-Retained Versus Screw-Cement-Retained Implant-Supported Fixed Prostheses for Marginal Bone Loss and Peri-Implant Soft Tissue Changes: An In Vivo Study
		○ Prosthetic Rehabilitation of Maxillary Full Arch With Implant-Supported Prosthesis and Correction of Deranged Mandibular Occlusal Plane: A Case Report ○ BFUDJ - OSMF & It's Management ○ **Oral manifestations in patients with polycystic ovary syndrome: a systematic review**

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6.	CDE PROGRAM	○ FMR- **Contemporary concepts & Clinical strategies** – one-day workshop held at Dasmesh Institute of Research and Dental Sciences, Faridkot on 5th May, 2026
7.	ACADEMIC EVENT	**CLINICOPATHOLOGICAL CONFERENCE** ○ Decoding Saliva: Impact on Oral Health Care ○ Facial nerve
8.	BOOKS PUBLISHED	○ Biomaterials in Dental Implants in May, 2026 in LAMBERT Academic Publishing. ○ CAD-CAM in prosthodontics in May,2026 in LAMBERT Academic Publishing ○ Implant design in June,2026 in Dentomed publication. ○ Prosthetic options in implants in 2025 in LAMBERT Academic publishing

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3.	RESEARCH PROJECT - ONGOING	○ A comparative study to evaluate alveolar ridge width for implant placement using indirect ridge mapping, cone beam computed tomography with direct surgical measurement - an in vivo study ○ **Comparative evaluation of marginal bone loss and periimplant soft tissue changes around screw-retained, cement-retained and screwcement retained fixed implant prosthesis - an in vivo study** ○ A comparative study to evaluate the retention, maximum bite force, patient satisfaction and bone loss between self-aligning and magnet attachment systems used in implant-retained overdentures - AN IN VIVO STUDY
4.	PATENT- FILED	○ National Patent Filing – **Chairside Optical midline and smile line alignment system**Patent filed on 02.06.2026.
		○ National Patent Filing – **digital dental crown fabrication machine**-Patent filed on 27.09.2026.
5.	PATENT ACCEPTED	○ National Patent Filing – **Oral health screening Kiosk-** Patent filed on 17.08.2026.

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