

**KRISHNA VISHWA VIDYAPEETH
SCHOOL OF DENTAL SCIENCES**

**DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE
(Department Name in capital bold letters)**

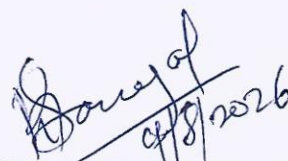
**July /2026
(Month / Year)**

Total no. of OPD patient for the month - 3465

Details of major clinical procedure being performed–

S/n	OPD No.	Age / Gender	Major clinical procedure	Details
1	PAT2026/716325	76/M	Neutral Zone	A 76-year-old male patient presented with complete edentulism and a history of instability and poor retention of his conventional complete dentures, leading to difficulty in mastication, speech, and comfort. Clinical examination revealed severely resorbed mandibular residual ridges with reduced denture-bearing area and compromised muscular balance. Considering the anatomical limitations, the neutral zone technique was selected to record the functional space where the forces of the tongue, lips, and cheeks are in equilibrium. Neutral zone recording was performed using a admix material, followed by contouring of the polished surfaces according to the recorded functional anatomy. Complete dentures were fabricated based on the neutral zone record, ensuring optimal tooth positioning and flange contours. The prosthesis demonstrated improved stability, retention, phonetics, masticatory efficiency, and patient comfort, resulting in enhanced oral function and quality of life.
2	PAT2025/643205	39/M	A 3D-Printed Functional Finger Prosthesis with Silicone Sleeve	A 35-year-old male patient presented with traumatic amputation of the right ring finger, resulting in functional impairment and compromised hand esthetics. Clinical examination revealed a well-healed residual stump suitable for prosthetic rehabilitation. A customized finger prosthesis was planned using a 3D-printed articulated framework covered with a medical-grade silicone sleeve to replicate

				the natural finger morphology. To restore active finger movement, a stainless-steel wire mechanism was integrated within the prosthesis and connected to a modified wristwatch strap. Wrist flexion generated tension in the wire, producing controlled flexion of the prosthetic finger and enabling improved grasping of lightweight objects. The design combined esthetics with functional rehabilitation while remaining lightweight, economical, and easy to wear. The prosthesis significantly enhanced hand function, cosmetic appearance, and patient confidence during daily activities.
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