

**RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH
CENTRE, NAGPUR**

List of Patents granted

Sr. No.	Name of Staff Member	Name of the Department	Year	Application Number and Date	Title	In Process/ Granted
1.	Dr. Abhay Kolte Dr. Girish Bodhare Dr. Rajashri Kolte	Periodontics & Implantology	2017	Application no-201721016658 Date-11/05/2017	A device used to measure intraoral dimensions required for implant placement (Patent)	Granted
2.	Dr. Surekha Rathod, Dr. Noopur Gonde, Dr. Srushti Dhande	Periodontics & Implantology	2021	Application no-2021121027241 Date-18/06/2021	A Process for Preparing stable locally acting sustained release composition of melatonin.	Granted
3.	Dr Pranav Ingole, Dr. Jui Karmarkar, Dr. Nilima Budhraj, Dr. S.R, Sheno, Dr. Vrinda Kolte	Oral and Maxillofacial Surgery	2021	Application Number 202121017522	PI-Plate: Innovative bone plate design for management of sub-condylar fracture by open reduction and Internal Fixation	Granted
4.	Dr. Abhay Kolte	Periodontics and Implantology	2024	Application Number	An AI based periodontal diagnostic device	Granted
5.	Dr. Sandeep Khandaikar	OMFS	2024	Application Number 544615	A maxillomandibular fixation device	Granted
6.	Dr. Surekha Rathod	Periodontics	2025	Application Number 459091-001	A portable device for screening of diabetes and periodontitis	Granted
7.	Dr. Surekha Rathod	Periodontics	2025	Application Number 447411-001	Device for screening of oral diseases	Granted

8.	Dr. Surekha Rathod	Periodontics	2025	Application Number 449415-001	Ortho Perio Probe	Granted
9.	Dr. Pranjali Bawankar	Periodontics	2025	Application Number 418430-001	AI Based Periodontal Treatment Device	Granted
10.	Dr. Pranjali Bawankar	Periodontics	2025	Application Number 439301-001	Design Patent granted for Clean Flow Perio elevator	Granted
11.	Dr. Pratik Parkarwar Dr. Pawan Motghare, Dr. Lata Kale, Dr. Mukta Motwani	Oral Medicine & Radiology	2025	463128-001	Patent titled- Oral Cancer Screening Device	Granted
12.	Tapasya Karemore Mukta Motwani, Vibha Bora, Suraj Dudhe, Piyush Kamdi, Sagar Bawankar, Saurabh Zade, Kanchan Ashtankar	Oral Medicine & Radiology	2026	579268	Patent titled- A Tool For Temporomandibular Joints Examination And Muscle Activity Detection	Granted
13.	Dr. Pratik Parkarwar Dr. Pawan Motghare Dr. Aarti Bedia Dr. Vijayalaxmi Dr. Sneha Sanap Dr. Mukta Motwani Dr. Lata Kale	Oral Medicine & Radiology	2026	. 488878-001	Patent titled- Oral Submucous Fibrosis Detectionand Severity Assessment Device	Granted

	Dr. Rupali Mhaske					
14.	Dr. Hrushikesh Malikar	OMFS	2025		SHEARMAX FORCEPS	Granted
15	Dr. Saeesh Deshpande, Dr. Akhil Rathi	Prosthodontics	2026	590756	Device for Adjustment of Occlusal Plane	Granted
16	Dr. Saeesh Deshpande, Dr. Netal Kela, Dr. Neelam Pande	Prosthodontics	2026	6508650	Anti-Bruxism Biofeedback Medical Device	Granted
17	Dr. Saeesh Deshpande, Dr. Samidha Pande, Dr. Divya Kamnani, Dr. Neelam Pande	Prosthodontics	2026	496926-001	Occlusal Managing Dental Device	Granted
18	Dr. Priti Jaiswal	Prosthodontics	2026	495936-001	Dental Implant with Self-Tapping Apical Flute	Granted
19	Dr. Rajlakshmi Banerjee, Dr. Jyoti Sharma, Dr. Anushree Bhoge	Prosthodontics	2026	495433-001	Adjustable Orbital Impression Tray	Granted
20	Dr. Jyoti Sharma, Dr. Rajlakshmi Banerjee, Dr. Anushree Bhoge	Prosthodontics	2026	489144-001	Adjustable Auricular Frame with Strap	Granted

21	Dr. Richa Sahai	Prosthodontics	2025	6487886	AI-Guided Dental Implant Drill with Depth & Torque Control	Granted
22	Smruti Shitole, Dr. Jayashree Joshi, Dr. Anita Kahar, Dr. Saeed Deshpande	Prosthodontics	2025	483523	Dental Wheelchair	Granted
23	Dr. Surekha Rathod Dr. Pranjali Bawankar Dr. Palak Kasliwal Dr. Shivshankar Jadhav	Periodontics	2026	444416-001	Bone View Reflector	Granted
24	Dr. Surekha Rathod Dr. Prachi Rathi	Periodontics	2026	444702-001	Platelet rich fibrin plug compressor	Granted
25	Dr. Surekha Rathod Dr. Palak Kasliwal	Periodontics	2025	447411-001	Device for screening of oral diseases	Granted
26	Dr. Surekha Rathod Dr. Palak Kasliwal	Periodontics	2025	459091-001	Portable device for screening of diabetes and periodontitis	Granted
27	Dr. Surekha Rathod Dr. Shivani Koli	Periodontics	2026	202421043656	Dental gel formulation and preparation method thereof	Granted
28	Dr. Pranjali Bawankar Dr. Abhay Kolte Ms. Vaishnavi Yenurkar	Periodontics	2026	449992-001	Versatile adjustable mouth prop for periodontal and oral surgery	Granted

29	Dr. Vrushali Lathiya Dr. Dhawal Mody Dr. Abhay Kolte	Periodontics	2025	458267-001	Periodontal probe	Granted
30	Dr. Neelam Pande	Prosthodontics	2026	Design Patent – 469551-001	Protrusive Position Guide for Edentulous Patients	Published
31	Dr. Ojas Gajbhiye	Prosthodontics	2026	Design Patent – 491386-001	AI-Optimized Implant Prosthetic Interface	Published
32	Dr. Samidha Pande	Prosthodontics	2026	Design Patent – 488261-001	Portable AI-Guided Implant Pilot Drill Positioning Device	Published
	DR.Pratima Shenoi, Dr.Ramakrishna Shenoi, Dr,Shriya Shahu, Dr.Ankita Ramteke, Dr.Prajakta Ambulkar, Dr.Chetana Makade, Dr.Gautam Badole, Ranjeet Deshmukh Dental College & Research Centre	Conservative Dentistry & Endodontics	2026	487930-001	CLIP ON ENDOSCALE IN DENTISTRY	Grant
	Dr Chetana Makade,	Conservative Dentistry & Endodontics		497012-001	Device for Isolation of Teeth'	Grant
	Dr. Rajesh Kubde	Conservative Dentistry & Endodontics	2025	413213-001	Gutta Percha Shearing Instrument.	Grant

	Dr.Chetana Makade, DR.Mohit Gunwal, DR.Neha Mundhada, Dr.Pratima Shenoi, Ranjeet Deshmukh Dental College & Research Centre	Conservative Dentistry & Endodontics	2025	474204-001	INSTRUMENT FOR EVALUATING DENTAL RESTORATIVE MATERIALS	Grant
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