RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH CENTRE, NAGPUR

List of Patent Applications

Sr.	Name of Staff	Name of the	Year	Application	Title	Applied/
No.	Member	Department		Number		Published
1	Dr Neelam Pande	Prosthodontics	2024 -2025	432809-001	Gothic arch training device for complete denture patients	Published
2	Dr Saee Deshpande	Prosthodontics	2024 -2025	202421058430	Device for adjustment of occlusal plane	Published
4	Dr Saee Deshpande	Prosthodontics	2024 -2025	202221018438	Device to check tissue compressibility of edentulous patients	Published
5	Dr. Akhil Rathi	Prosthodontics	2024 -2025	202521014456	'An adjustable impression tray'	Patent early publication
6	Dr. Surekha Rathod	Periodontics	2024 -2025	202521015106	Herbal Effervescent Foaming tooth tablet and preparation method thereof	Published
7	Dr. Surekha Rathod	Periodontics	2024 -2025	202421072091	An osteoanabolic dental gel formulation and preparation method thereof	Published
8	Dr. Pranjali Bawankar	Periodontics	2024 -2025	202521002126 A	Patent entitled "A rechargable Gum Massager"	Published
9	Dr. Pranjali Bawankar	Periodontics	2024 -2025	202521037820 A	Patent applied for "Rechargeable gingival scraper."	Published
10	Dr. Pranjali Bawankar	Periodontics	2024 -2025	202521038035	Patent applied for "Dental mouth prop with protective guard."	Published
11	Dr. Pranjali Bawankar	Periodontics	2024 -2025	202521037812	Patent applied for "A customisable impression tray for dental implant procedures."	Published
12	Dr. Pranjali Bawankar	Periodontics	2024 -2025	202521029644	Oral dental polymer composite hydrogel formulation and preparation method thereof	Published
13	Dr. Chetana Makde	Conservative Dentistry and Endodontics	2024- 2025	438025-001	Customized jig tooth brushing simulation device	Published

14	Dr. Vinisha	Periodontics	2024-	20242107352	A rechargeable	Published
	Bajaj		2025		periosteal elevator	
15	Dr. Surekha	Periodontics	2024-	202421006731	An AI based portable	Published
	Rathod		2025		device for Dental	
					disease protection	
16	Dr. Rajesh	Conservative	2024-	20242104801A	A tongue retractor	Published
	Kubde	Dentistry and Endodontics	2025			
17	Dr. Pratima	Conservative	2024-	202421059318A	FOCUS	Published
	Shenoi	Dentistry and	2025		1000	
		Endodontics				
18	Dr. Rajesh	Conservative	2024-	202521009523 A	An automated device for	Published
	Kubde	Dentistry and Endodontics	2025		cutting gutta percha	
19	Dr. Gautam	Conservative	2024-	202421101943-A	Split Mould For Single	Published
	Badole	Dentistry and	2025		Tooth.	
		Endodontics				
20	Dr Neelam	Prosthodontics	2023	202321020845	A device to receive full	Published
	Pande				porcelain fused to metal restorations	
21	Dr. Rajashri	Periodontics &	2024	202321084978	A dental device for	Published
	Kolte	Implantology		A	intraoral visibility and	
	Dr. Abhay				photography aid.	
22.	Kolte Dr. Surekha	Periodontics &	2024	202421043656	A dental gel	Published
22.	Rathod	Implantology	2024	202421043030	A dental gel formulation and	Published
	Dr. Pranjali	implantology			preparation method	
	Bawankar				there of	
23.	Dr. Surekha	Periodontics &	2024	202221069556	NOVEL	Published
	Rathod	Implantology			ZR55CO30TI15 ALLOY	
24	Dr. Surekha	Periodontics &	2024	202421030005	Herbal Mouthwash for	Published
	Rathod	Implantology			oral hygiene	
	Dr. Pranjali				maintenance	
25	Bawankar Dr. Surekha	Periodontics &	2024	202321076838	A dentognathic model	Published
45	Rathod	Implantology	2024	2023210/0030	for crown lengthening	1 ublished
	Dr. Prachi				procedure.	
	Rathi					
26	Dr. Surekha	Periodontics &	2023	202321041670	A Process for	Published
	Rathod	Implantology			preparation of gel by combination of	
					Psidium guava leaf	
					extract and Syzygium	
					cumini seed extract for	

					the treatment of chronic periodontitis.	
27	Dr. Pranjali Bawankar Dr. Surekha Rathod	Periodontics & Implantology	2024	202421052632	A biomaterial based insitu gel and preparation method thereof	Published
28	Dr. Surekha Rathod Dr. Prachi Rathi	Periodontics & Implantology	2024	202421053097	"An apparatus for the preparation of PRF membranes"	Published
29	Dr. Surekha Rathod Dr. Pranjali Bawankar	Periodontics & Implantology	2024	202421065423	Clean Flow Perio Elevator	Published
30	Dr. Surekha Rathod	Periodontics & Implantology	2024	202421072091	An osteoanabolic dental gel formulation and preparation method thereof'	Published
31	Dr. Surekha Rathod	Periodontics & Implantology	2024	202421006731	An Artificial Intelligence based potable device for dental disease detection	Submitted
32	Dr. Dhawal Mody Dr. Vrushali Lathiya Dr. Abhay Kolte	Periodontics & Implantology	2024	202421006084	Mucoadhesive 'proniosomal gel formulation comprising doxycycline and preparation method thereof.	
33	Dr Pranjali Bawankar Dr. Abhay Kolte	Periodontics & Implantology	2024	202421028984	A self-retained intraoral retractor cum bite block	Published
34	Dr. Pranjali Bawankar Dr. Abhay Kolte	Periodontics & Implantology	2024	202421028983	An in situ formulation comprising vitamin D3 and preparation method thereof	Published
35	Dr Pratima Shenoi Dr. S R Shenoi Dr. Shriya Shahu	Conservative Dentistry and Endodontics	2024	202021042255	Patent Granted for A pouch for sterilization and storage of Dental Operative instruments.	Published
36	Dr. Ashish Bodhade &	Oral Pathology &	2023	202321029215	Utility Patent application titled	Applied

	Dr. Alka Dive	Microbiology			"DEVICE FOR JAW OPENING EXERCISE"	
37	Dr. Sandeep Khandaitkar, Dr. Shashank Hiwarkar, Dr. Gagandeep Lamba	Oral Surgery	2022	202221029849 A	A maxillo - mandibular fixation device	Published
38	Dr. Pranjali Bawankar Dr. Abhay Kolte	Periodontics & Implantology	2023	202321034556A	Vitamin D3 in situ gel formation and method of preparation thereof.	Published
39	Dr. Neelam Pande	Prosthodontics	2023	202321020845	A device to receive Full porcelain-fused-to- metal restorations	Published
40	Dr. Surekha Rathod, Dr. Pranjali Bawankar, Dr. Shivshankar Jadhav	Periodontics & Implantology	2022	202221024984	A Gel Composition for treatment of chronic periodontitis and method preparation thereof.	Published
41	Saee Deshpande	Prosthodontics	2022	202221018438	"A device to check tissue compressibility for edentulous patients"	Applied