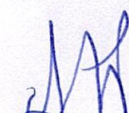


RESEARCH PROJECTS, GRANTS, PATENT, INNOVATIONS AND SCHOLARLY ACTIVITIES

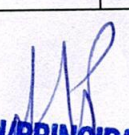
SGT Dental College, Hospital & Research Institute, Gurgaon				
GRANTS - ICMR MDS Dissertation Grant September 2026				
S.No.	Name	Department	Reg number	Thesis title
1.	Dr. Gaurav Yadav	Prosthodontics	MDMS2026-14512	Clinical evaluation of the influence of different abutment substrate material on the marginal and internal fit of zirconia crown fabricated from digital impression: an in- vivo study
2.	Ritika Batra	Conservative Dentistry and Endodontics	MDMS2026-12586	Comparative evaluation of supplemental intraligamentary injections of lignocaine hydrochloride, diclofenac sodium and dexamethasone on postoperative pain in mandibular molars with symptomatic irreversible pulpitis in diabetic patients: a randomised controlled clinical trial
3.	Dr. Manik B. Chaudhary	Pediatric and Preventive Dentistry	MDMS2026-10299	Evaluation of variation in interproximal contact areas amongst primary molars between the age of 4-7 years in homogenous group of population
4.	Dr. Anjali Phore	Paediatric and Preventive Dentistry	MDMS2026-10295	Comparison of 38% silver diamine fluoride and nano silver fluoride for silver modified atraumatic restorative treatment (smart) in primary molars with deep dentinal caries-a clinical study
5.	Dr. Rashmi	Prosthodontics	MDMS2026-14513	Comparative analysis of a custom-trained AI vision model and specialist assessment in predicting osseointegration for single posterior mandibular sites using standardized RVGS: a clinical validation study.
6.	Dr. Nikita Sandhu	Conservative Dentistry and Endodontics	MDMS2026-12511	Comparative evaluation of Antimicrobial efficacy of Nitrofurantoin, triple antibiotic paste and calcium hydroxide as intracanal medicaments against e. faecalis in endodontic retreatment cases using RT-PCR: a randomized controlled clinical trial


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Indexed Publications (SEPTEMBER 2026)

Sr.No	Publication Title	Name of Journal	Authors (SGTU)	Date of Publication	Indexing
1	Artificial Intelligence in Contemporary Dentistry: Applications Across Dental Specialties and Future Challenges	Cureus	Dr. Kunal Nischal	27/09/2026	Pubmed
2	Assessment Of Gingival Recession and Associated Dentofacial Parameters In Patients Undergoing Fixed Orthodontic Treatment	European Journal of Prosthodontics and Restorative Dentistry	Dr. Puja Malhotra	01/09/2026	WOS, Pubmed, Scopus
3	Comparative diagnostic accuracy of a You Only Look Once-11s deep learning model and human observers for detection of periapical lesions on intraoral periapical radiographs	Journal of Conservative Dentistry and Endodontics	Dr. Ashtha Arya, Dr. Mamta Singla	01/09/2026	Pubmed, Scopus
4	Assessment of External Apical Root Resorption Following Fixed Orthodontic Treatment in Adolescents: A Retrospective Radiographic Study	Adolescencia e Saude,	Dr. Dolma Ganz	25/09/2026	Scopus
5	Periodontal outcomes following extraction and non-extraction orthodontic therapy	Bioinformation	Dr Namrata	30/09/2026	Pubmed


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Patents (September 2026)

1. **Application Number – 202611099500 A** – Rehabilitation Assistive Device – Dr.Sumit Singh Phukela, Dr.Surbhi Priyadarshi, Yash, Dr.Bhupender Yadav. Patent Published on 25th September 2026.

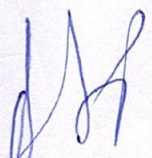


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Scholarly Projects (September 2026)

Student	Topic		Guide
Himanshi Garg Manju	A clinical analysis integrating Tridosha theory of Ayurveda with Prevalence of dental disorders.	Faculty of Dental Sciences	Dr. Ashtha Arya
Siya Jeendgar	Comparative Evaluation Of Oral Microbiota, Salivary pH and Flow Rate Before and After Treatment in Polycystic Ovary Syndrome (PCOS) and Polycystic Ovarian Disease (PCOD) patients: A Clinico-microbiological study	Faculty of Dental Sciences	Dr. Surbhi Priyadarshi
Yash	Use of mobile phones for Oral Hygiene Education: A Survey among Dental Patients	Faculty of Dental Sciences	Dr Shilpa Kamra
Aditi	Correlation between alcoholic and non alcoholic fatty liver disease with mental and oral health	Faculty of Dental Sciences	Dr Rangoli Srivastava
Bhawana	Color changing Disclosing Gel for Kids	Faculty of Dental Sciences	Dr. Charu Dayma
Nitya Kapoor	Evaluation of gingival health around dental implants compared with adjacent natural teeth and contralateral natural teeth: A Cross Sectional split mouth study	Faculty of Dental Sciences	Dr. Diksha Singh


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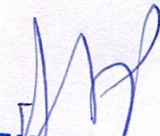
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INNOVATIONS & GRANTS (INTRAMURAL) - (September 2026)

S. No.	Name of Faculty Mentor	Name of Student Principal Investigator	Name of Student Co-Principal Investigators	Department	Title of project
1	Dr Sumit Singh Phukela	Yash Singh	Ridhima, Radhika, Harjot, Tushar (Dept. of Engineering)	Prosthodontic and crown and Bridge	Accu-Dose Aegis - Smart validation before administration
2	Dr. Surbhi Priyadarshi	Siya Jeendgar	Himanshi Garg, Kritika Yadav, Aanchal Deswal	Public Health Dentistry	Pressibrush: Universal Toothbrush Pressure Monitor
3	Dr. Shalu	Dr. Shivangi Yadav	Dr. Deepanshi Yadav, Ashwini	Pediatrics and Preventive Dentistry	MobiSADE: A Modular Sensory Adaptation System for Portable and Dedicated Pediatric Dental Settings
4	Dr Shivani	Dr Ashi Bakshi	Dr Rubal, Manya Goel, Manasvi Sundriyal	Orthodontics and Dentofacial Orthopaedics	Tathastu: Healthcare at your doorstep
5	Dr Vidushi Sheokand	Dr Simran Bishnoi	Dr Gracy, Dr. Mohini	Periodontology	Clear Guide- Precision in Every Drill
6	Dr.Rangoli Srivastava	Shilpi Jain	Khushi Dehan, Bhumi Kalra, Bhumika Debnath	Public Health Dentistry	TobaHeal - Herbal Mouthwash for Supporting Tobacco Cessation
7	Dr Bhupender yadav	Dr Indu yadav	Dr Gaurav yadav	Prosthodontic and crown and Bridge	Keto guard
8	Dr. Diksha Singh	Dr. Avni	Gursimer, Priyakshree, Komal	Prosthodontic and crown and Bridge	PIVOT-Piezoelectric Implant based occlusal test for early screw loosening detection

9	Dr. Drishti	Vanshdeep	Anjali Rana, Harpahul, Dr. Savvy, Swapnil	Conservative dentistry and endodontics	PulpClear- Chairside Pulp Tissue Detection System.
10	Dr Unnati Nautiyal	Parshant	Akanksha Kashyap, Shiksha, Komal	Conservative Dentistry and Endodontics	Endo Seal 360
11	Dr Savreen Kaur	Juhi Ruth	Sakshi Gupta, Gaurav, Anshuman	Pediatric and preventive dentistry	Aerometer: A Real-Time Aerosol Detection, Capture and Sterilization System for Dental and Clinical Environments
12	Dr Maj Dileep Kumar Pandit	Gunita Walia	Vomika Jaspal, Vivek Jangra	Orthodontics and Dentofacial Orthopedics	Oro Vision AI
13	Dr. Anamika	Gungun Jain	Vanshika Pasricha, Devarchi Taneja, Pranvi Bansal	Orthodontics and Dentofacial Orthopedics	No More Lost - Only Found
14	Dr. Shilpa Kamra	Dr. aditi	Dr Payal	Periodontology	Ecograft
15	Dr Karandeep Singh	Rakshat	Parth, Rijul Jain, Chalcy	Oral and Maxillofacial Surgery	O.R.B.I.T.- Optimized Regenerative Bone Intelligent Tracker
16	Dr Aakriti Khemka	Smarpit Singla	Dr Kriti Vatsa Charan Singh	Oral & Maxillofacial Pathology	Hydro Sweep: A Smart Tongue scraper with Pressure-Controlled Irrigation
17	Dr. Preeti Chahal	Palak	Charvi, Bhavya goel, Harshvardhan singh	Oral and maxillofacial pathology	cytosure : a point-of-care oral cytology collection device
18	Dr. Puja Malhotra	Charvi	Palak Sethi, Nitya Kapoor, Himanshu Chahar	Prosthodontic and crown and Bridge	Dentvision
19	Dr. Monika Tanwar	Dr. Harish kumar	Dr. Lagan sahani	Oral and maxillofacial surgery	Oral-Setu. Your guide to right specialist

20	Dr Minerva Singh	Kavya Sivakumar	Mrityunjay kumar, Dr. Anchal	Oral & Maxillofacial Surgery	SAFER- Smart Assistance for Emergency Response "Standardizing the First Response Trauma."
21	Dr.Deepika Yadav	Yoshita Tyagi	Anjali Yadav, Himanshu	Orthodontics and dentofacial orthopaedics	SmileJourneyAi


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