

Inderprastha Dental College & Hospital
46/1, Site-IV, Industrial Area, Sahibabad,
Ghaziabad - 201010 (U.P.)

ANNUAL REPORT 2023-24

Inderprastha Dental College & Hospital has successfully completed 18 years in imparting quality education and has a remarkable contribution in the field of health care. The Academic and extension activities developed are aimed at fulfilling the vision and mission of the institution. The main objective is to inculcate knowledge and enhance skill among students, along with ethics, compassion and social responsibilities.

Inderprastha Dental College & Hospital was started in the year 2006 with the aim to be the best dental institution providing education, infrastructure and treatment facilities to students and patients. The annual intake of 50 students was started in the undergraduate program and increased to 100 in 2007. The postgraduate program was started from 2015 in five specialty courses. The undergraduate and post graduate courses are affiliated to Atal Bihari Vajpayee Medical University, Meerut and recognised by the Dental Council of India.

ADMISSIONS:

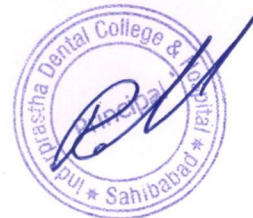
UG & PG admissions take place through NEET counselling. During this year, the total number of admissions for BDS program was 100 and for MDS it was 27.

The Institution has the academic year from July 2023 to June 2024. The Institution has 602 students, 127 outgoing students and 137 teaching faculties.

The pass percentage for this academic year is 84.9%.

OPD CENSUS:

The consolidated monthly OP census for the current academic year across all the departments is given. A total of 1,50,427 patients had visited Inderprastha Dental College & Hospital in the year 2023-24.



Month	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Total patients	12,756	13,099	12,478	12,252	11,948	11,655	12,383	13,007	12,182	13,094	13,657	11,916

PROGRAMS ORGANIZED:

- **Academic Programs:** Inderprastha Dental College & Hospital is dedicated to enhance the quality of professional education and has conducted various educational programs for professional enrichment of the students. All the academic curriculum details of our institution are well planned by the corresponding committees, monitored and implemented efficiently and successfully.

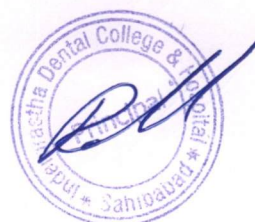
S NO.	NAME OF THE PROGRAMME	NUMBER OF PARTICIPANTS
1.	BASIC LIFE SUPPORT AND FIRST AID TRAINING (7-8 FEB 2024)	80
2.	FORENSIC ODONTOLOGY (13-14 MAY 2024)	97
3.	IN AND OUT OF SMILE DESIGNING (27-28 MAY 2024)	84
4.	IMPLANT PROGRAMME (15-16 MAY 2024)	75
5.	RECENT ADVANCEMENT IIN MANAGEMENT OF TMDs (21 ST AND 23 RD MAY 24)	141
6.	TREATMENT PLANNING AND BASICS OF FMR (11-12 MARCH 2024)	29
7.	WORLD DISABLITY DAY (4 – 5 DEC 2023)	96
8.	YOGA DAY (17 FEB – 18 MAY 2024)	113
9.	A ROADMAP TO RESEARCH (31/05/24)	79



10.	SPECIAL STAINS (29/02/24)	95
11.	CONSCIOUS SEDATION (10/10/23)	52
12.	DIGITAL DENTAL RADIOLOGY (08/11/23)	92
13.	FACIAL AESTHETICS (31/01/24)	98
14.	LASER WORX (7/11/23)	95
15.	AN INSIGHT INTO RESEARCH (14/03/24)	73
16.	SAY NO TO BLEEDING GUMS (23/02/24)	98
17.	ORTHOMANTHAN (5/10/24 – 7/10/24)	95
18.	ANTIBIOTICS – A PILL OF PURPOSE (22/02/24)	75

- **Training sessions for undergraduate students** – The institution prepares its students to face interviews confidently and also conducts career counselling programs where students are informed about various career options after their graduation. Guidance program for competitive examinations is also conducted in individual departments in terms of multiple choices questions.

	NAME OF THE PROGRAM	NUMBER OF PARTICIPANTS
2023-24	Exemplary Preparation Classes – For Competitive Examination Aspirants	94
	Lecture on -Let's get Real about Dental: Your Career	45



- **Skill Development programs:** The Institution conducts capability enhancement and skill development programs for the students in the form of personal and professional development, soft skills and analytical skills development, human value development, etc.

	NAME OF THE PROGRAM	RESOURCE PERSON	NUMBER OF PARTICIPANTS
2023-24	Employability skills development	Dr. Atul Jain	53
	Personality and professional development	Mr. Nihal Dubey	54
	Groom and Grow personality development programme	Ms. Raisha Bhatia	121
	Soft skill development	Mrs. Shafana	55
	Analytical skill development	Dr. Riaz Abdulla	47
	Humens value development	Ms. Isha Sharma	79
	Yoga and wellness	Mr. Chander Prakash Gupta	113
	Language and communication skills development	Dr. Tripti Tyagi	95

- **Faculty Development Programs:** The Institution has organised 9 Faculty development programs for the teaching and non-teaching faculties to keep the faculties updated on the recent advances in the field.



	NAME OF THE PROGRAM	NUMBER OF PARTICIPANTS
2023-24	Support workshop on Learning management system	50
	Workshop on excellence in MS excel	63
	Mastering in 3D Printing and aligner fabrication	42
	Treatment planning and basics of full mouth rehabilitation	20
	Laser Worx- Periodontics and beyond	57
	Relax your nerves, not your smile- your future best friend- conscious sedation	41
	Recent Advancements in Esthetic Restorations	49

112 teaching faculties from various departments had also attended 7 various Faculty development programs organised by speciality societies as well as other organisations. A total of 2,14,528 INR was sanctioned for various faculty development programs and to encourage the faculty to participate in national and international conferences.



Addressing social issues through Gender equity sensitisation: Inderprastha Dental College & Hospital believes in gender equity and conducts gender sensitization programs focusing on various social issues in the society prevalent to human gender gap and stereotypes.

	NAME OF THE PROGRAM	NUMBER OF PARTICIPANTS
2023-24	Gender Sensitization and Gender Equity	53
	Personality Development Program	54
	Groom and Grow - Personality Development Program- 2024	121
	Cardio Dance Workout and Financial Independence for Women on the occasion of International Women's Day	108
	Mission Shakti – Women Safety, Women Self Reliance and Respect	67
	Making Social Media Secure for Women	72

- **Research Promotion:** Research projects undertaken in the institution and for 5 short-listed studies intra-mural funds are sanctioned for the same for trials conducted. The intramural funds sanctioned for the year was 2,16600/- INR.

	NAME OF THE RESEARCH PROJECT	NAME OF THE investigator
2023-24	To evaluate and compare the effects of fluoride mouthwashes and peroxides mouthwash oro dental plaque and white spots lesions in orthodontic patients	Dr. Rahul Paul
	Evaluation of stress in dental undergraduates' students by perceived stress scale, dental environment stress model burnout inventory.	Dr.Preeti Upadhayay
	Changes in mandibular condyle post fixed functional appliance therapy by using OPG radiograph	Dr.Vardana Gulia
	Prevalence, ergonomic risk factor and management of musculoskeletal disorders among dentist in India- A cross sectional study	Dr. Anant singh
	To evaluate and compare pharyngeal airway space in skeletal class 1 and class 2 malocclusion and correlate it with prevalence of mouth breathing.	Dr.Deepti Yadav



Evaluation and comparison of accuracy and efficacy of two different app-based model analysis software with manual model analysis	Dr.Mudita Gupta
Comparative evaluation of conventional curettage along with tetracycline fibers and laser curettage for the treatment of moderate periodontal pocket	Dr. Anamika
Comparative evaluation of effect of diode laser using sodium fluoride gel and laser alone in reduction of dental hypersensitivity	Dr.Pragya Tripathi
Prevalence of E- cigarette use among dental students- A cross sectional study 2023	Dr.Mayura Paul
Evaluation of antimicrobial property of different bonding agents against streptococcus mutans	Nidhi Mishra
Influence of location of gingival margins on the micro leakage and inter voids of different composite material- An in-vitro study	Jaema Aquil
Evaluation of efficiency of different intracanal medicaments against E- faecalis	Antriksh
To compare salivary enzymatic activity in caries active and caries free children between 19-31 months of age and 6-12 years of age in GHAZIABAD district	Siddharth
Effect of two different types of curing lights on compressive strength of composite in extracted premolar teeth- An in-vitro study	Dr.Ritika Malhotra
Evaluation of the effectiveness of video-based intervention on the knowledge of child's oral health among mothers.	Dr.Geetika Datta
Estimation of serum iron and Hb levels in oral submucous fibrosis patients	Dr.Palkin Mehta
Prevalence of tobacco pouch keratosis in the age group of 18-60 years in GHAZIABAD region and the role of counselling by dentists in its management- An epidemiological study	Dr. Shantanu
Evaluation of efficacy of Aqua Titan patch vs Transdermal Diclofenac patch after lower third molar surgery- A prospective study	Arpan Srivastava
Evaluation of awareness, requirement and clinical application of guided endodontics among dental practitioners in north India- A cross sectional study	Dr.Dakshita Joy Sinha
Evaluation of push out bond strength of chitosan nano particles incorporated in different restorative material of class 2 cavity	Dr.Nidhi Sharma
Assessment of relationship between dental fear and dental health status among dental patients	Dr.Geetika Arora



	Perception of unstrained eyes in midline deviation in smile aesthetics	Dr Ish Kumar Sharma
	Knowledge aptitude and practice-based tooth brushing effectiveness over oral hygiene maintenance amongst patients visiting private dental college	Dr. Supriya
	Prevalence of dental caries, salivary streptococcus mutans and lactobacilli count among children with special health care needs	Dr.Jasmine Nanda
	Comparative evaluation of apical extrusion of debris using different files system- An invitro study	Manpreet Kaur
	Impact of various access cavity design on fracture resistance of mandibular molars- An invitro study	Amisha Gautam
	Evaluation of intracanal and calcium hydroxide removal with different technique- An invitro study	Dr.Sagar Hiwale
	In vivo efficacy of denture cleaners and probiotic mouthwash on candida albicans in complete denture and removable partial denture	Amber Shrivastava
	Exploring the potential of polyether ketone and composites for class 2 inlays and comparative analysis	Dr.Siddhant Mahajan
	Comparative evaluation of antimicrobial efficacy of 2% chlorhexidine gel, triphala and Azadirachta indica as intracanal medicaments against E-faecalis- A randomized clinical trial	Dr.Lakshika Sharma
	Comparing the effectiveness of 4 different disinfecting gutta percha points against enterococcus faecalis- An in vitro study	Dr. Sheena Jain
	Comparative evaluation of pre heated composite and direct composite for post endodontic restoration- An invitro study	Dr. Anisha Deb
	Unlocking the potential assessing chitosan nanoparticle role in bond strength of different class 2 cavity restorative material	Dr. Nikita
	Comparative study of post endodontics pain following intra canal final irrigation using saline, cryotreated saline, cryotreated ocimum sanctum, cryotreated comelliasinesis and a mixture of cryotreated ocimum sanctum and camellia sinesis: randomized control clinical trial	Dr.Jayati Pandey
	Comparative evaluation of anti-microbial efficacy of nano curcumin coated gutta percha and nano azadirachta indica coated gutta percha against E- faecalis: an invitro study	Dr. Anisha Deb
	A comparative investigation of fracture resistance in incisal tooth fragment reattachment: An invitro analysis of various flowable adhesive material	Dr.Jayati Pandey



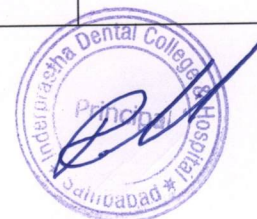
Age estimation by assessment of dentin translucency.	Saumya Vatsa
Cementum annulation as a tool for age estimation in forensic odontology.	Maulik Kathuria
Effect of nanoparticles on push out bond strength and apical sealing ability of root end filling biomaterials	Dr. Vasudha Chathley
Comparative evaluation of push out bond strength and surface roughness of glass fiber post using various chemical surface treatments in an In-Vitro study.	Dr.Suditi Shekhar
A SEM study evaluating three distinct liners with the purpose of reducing microleakage around class 2 cavities restored using sandwich technique.	Dr. Sadokpam Merina
Effects of pre-cure and post-cure heating on the fracture resistance of a bulk fill nano-ceramic.	Dr.Kashaf Raza
A clinical trial to assess the impact of full pulpotomy with varying lining materials in permanent molars with symptomatic irreversible pulpitis.	Dr.Rajshree Verma
Comparative evaluation of the efficacy of different solvents on re-establishment of apical patency in teeth obturated with bio ceramic sealers; An in-vitro study.	Dr.Gunjita Jain Bardia
Comparative evaluation of changes in condylar cartilage thickness using ultrasound imaging and condylar position using CBCT in patients treated with myofunctional and fixed functional appliances.	Dr.Aleena Iqbal
Evaluation of molar protraction with distractor and micro osteoperforation: A Comparative study	Dr. Sanjeev.K. Shakeen
Comparative evaluation of alkaline phosphatase and cathepsin- B level in gingival crevicular fluid during orthodontic tooth movement with self- ligating brackets and conventional brackets.	Dr.Rohit Tiwari
Comparative assessment of the amount of Nickel and Chromium ion released from different orthodontic arch wires following the use of different beverages and mouthwash.	Dr.Insha Rahman
Development of an artificial Intelligence algorithm using machine learning for the automatic evaluation of cervical vertebral maturation status on digital lateral cephalograms.	Dr.Rituraj Gautam
Comparative evaluation of anti- microbial properties of Nano chitosan coated orthodontic brackets against four different microorganisms in an In vitro study.	Dr.Mainak Halder



Evaluation the effect of mother nutrition during gestation period using WHO guidelines on the prevalence of dental caries and dentofacial deformities in adolescents.	Dr.Sudipa Jana
Comparative evaluation of the harmful effect of electronic nicotine delivery system and conventional cigarettes on oral health in Delhi NCR region.	Dr.Anjali Saini
Comparative evaluation of new caries, diagnostic tool- intra oral scanner and artificial intelligence-based caries detection software with visual examination on the efficacy of caries detection in children	Dr.Kirithi Chawla
To evaluate the relative efficacy of chorion membrane and DFDBA allograft in human grade 2 molar furcation defect – A 6 months clinical and radiological study	Dr.Garima Mishra
To evaluate the soft and hard tissue parameters in delayed dental implant placement with and without porcine derived collagen matrix	Dr.Shama Parveen
To evaluate the relative efficacy of PRF membrane and laser microneedling (Vit C) and LASER in treatment of physiological gingival hyperpigmentation- A 6-month clinical study	Dr.Sherin Azar Khan
Comparative evaluation of amniotic membrane with porcine derived collagen matrix in conjunction with demineralized freeze-dried bone allograft in treatment of intrabony periodontal defects	Dr.Shreya Jain
A comparative evaluation of salivary superoxide dismutase enzyme level among smokers and non-smokers in chronic periodontitis	Dr.Akshay Kumar Bansal
Comparative evaluation of the efficacy of monomer-peptide 11-4 containing gel, CPP-ACP fluoride varnish and APF gel in remineralization of white spot lesions in children aged 3-12 yrs	Dr. Hau Muan Kim
Comparative evaluation of effectiveness of nitrous oxide oxygen inhalation sedation at 40% and 50%. Concentration on anxiety and pain during administration of inferior alveolar nerve block in children aged 6-12yrs	Dr.Prabhjot Kaur
A comparative evaluation of marginal fit of zirconia monolith crown fabricated with polyvinyl siloxane impression versus digital scanning. An in-vitro study	Dr. Komal Shah
To compare and evaluate shear bond strength of the dentin and glass ceramics by three commercially available dual cure resin cements. An in-vitro study	Dr.Pranesh Rattan Trehan
A comparative evaluation of effect of surface modification by ethyl alcohol, hydro fluoric acid and sandblasting with alumina oxide particles on retention of prefabricated glass fiber post- an in-vitro study	Dr. Bajaj Amit Kumar Shamlal



A comparative evaluation of effects of chemical surface, modification of dichloromethane, ethyl acetate, cyanoacrylate and acetone on bond strength of acrylic teeth to unreinforced and nano silica- reinforced denture base resin- An in vitro study	Dr. Nidhi Shree
To evaluate and compare the marginal adaptation of internal fit and fracture, Toughness of provisional crowns fabricated using conventional indirect techniques CAM and 3D printing- An in-vitro study	Dr.Aakash Gupta
Assessment and correlation of changes in cervical cordises angulation in pre and post treatment lateral cephalogram of orthodontics patients	Dr.Ritika Sawhney
Comparison of friction in sliding mechanics using SS ligature on metal brackets and self-ligating brackets with NiTi and TMA wires. An in-vitro study	Dr.Ashutosh Chhabra
Comparitive evaluation of cephalometric composite analysis with two different cephalometric diagnostic software Cephinja and Nemoceph	Dr.Apda Darang
Evaluation of lip print pattern lip stain and lip thickness in skeletal class I and class II malocclusion	Dr.Priya Kishore
Assessment and correlation between dermatoglyphic pattern and skeleton class I and II discrepancies short study	Dr. Uchit Gupta
Assessment and comparison of load deflection rate, force production of T loop with helix and conventional 'T' loop	Dr.Bhawani Singh
A pediatric dentist perspective on artificial intelligence-based toothbrush clinical efficacy, parent acceptance and adherence as compared with conventional toothbrush	Dr. Kumari Ritika
Effective of various sensory input methods in dental health education among blind children of age group 3-14yrs: a comprehensive study	Dr. Arnab Chandra Goswami
Evaluating the effect of low-level laser therapy on hegu acupoint for managing gag reflex and anxiety in pediatric patients	Dr. Singh Anu Arvind
Comparative evaluation of aesthetic efficacy of 4% articane , and 2% lidocaine administering inferior nerve block in mandibular primary molar of children aged 6-9yrs	Dr. Singh Sanaya M.
Comparative evaluation of efficacy of enzymatic toothpaste, xylitol containing toothpaste and fluoride in children with high caries index	Dr. Muskan Goel
To evaluate and compare digital panoramic radiography with CBCT for measuring alveolar bone	Dr Manpreet Kaur
To evaluate and compare the efficacy of low-level laser therapy, potassium gel and acidulated phosphate fluoride gel for management of dentine hypersensitivity	Dr Tooba Fareed



	Comparative evaluation of local drug delivery with tetracycline fibers and 0.2% hyaluronic acid gel as an adjunct to scaling and root planning in treatment of periodontitis.	Dr Anupama Pradhan
	The prevalence of periodontal disease in type 2 diabetes mellitus (T ₂ DM) in Ghaziabad region -A cross sectional study	Dr Kartik Bajaj
	Comparative evaluation of advanced platelet rich fibrin and 1% metronidazole gel in treatment of periodontal pocket: A clinical study	Dr Deepanshu Panwar
	A cross-sectional study of satisfaction among undergraduate students and doctors of a teaching hospital at national capital region	Dr Arpita Goswami
	Comparative evaluation of dentinal microcracks formed after root canal preparation using rotary file system – An invitro study	Dr Aaliya Shahreen
	Comparative evaluation of incorporation of nanoparticles on the push out bond strength and sealing ability of different furcation repair materials: A micro-Computed tomographic study	Dr Vasudha Chathley
	Comparison of knowledge and awareness of rotary endodontics among dental interns studying in various government and private dental colleges in North India – A questionnaire-based study	Dr Gunjita Jain Bardia

The Institute has also conducted programs on Industry-Academia collaborations, Research methodology, Good clinical practices and Research Grant writing.

	NAME OF THE PROGRAM	NUMBER OF PARTICIPANTS
2023-24	Methodology for Researchology	136
	An Insight into Research	85
	Research Mastery: A Methodological Journey	89
	A Road map to research	91
	Steps of A Reasearcher	82

- **Outreach activities:** Inderprastha Dental College & Hospital considers community service as one of the important aspects of being a health care professional, and that Dental camps are a venture to meet the above. These camps help in creating awareness



through community education programs and provide dental care and resources to those with little or no access to the same.

In the current academic year, the Department of Public Health Dentistry organized 276 camps in and around Ghaziabad in collaboration with other speciality departments.

- The Institution has in place Student grievance redressal committee, Anti-ragging committee and Anti-sexual harassment committee that has adopted guidelines of Regulatory bodies to address the concerns, conducts periodic meetings and records the actions taken to prevent any unruly incidents.

Apart from the above existing committees, the Institution also has Academic Council, Research Committee, Student Welfare Committee, Sports and Cultural Committee that convenes periodically for better functioning and successful implementation of various activities and programs.

PHYSICAL INFRASTRUCTURE

The Institution is dedicated to being an environment-conscious and sustainable campus. We have installed solar panels and sensor-based energy conservation techniques and also use LED bulbs and other power efficient equipments for the entire campus. We have taken Green Campus Initiatives for the Institution where in we have pedestrian friendly pathways and landscaped the campus with trees and plants, with restricted entry for automobiles and have banned single-use plastics. We have installed water purification system in the campus and started facility of E-rickshaw within the campus. Also started rain water harvesting and effluent water treatment plant in the campus.

The Institution has also taken measures to be a **Divyanjan** friendly infrastructure with lifts with easy access to clinics, disabled-friendly washrooms and signposts.

Library: In addition to maintaining the infrastructure, the institution has numerous books and journals adding to the academic enrichment of the students. EBSCO with access to e-journals are also provided with remote access to the students. The expenses incurred for library and E-journals were 2301535.50 INR.

Welfare measures: Well-being of the staff is of paramount importance to Inderprastha Dental College & Hospital. Our prime focus is effective functioning with maximum productivity of our dedicated & diligent teaching and non-teaching staffs. The welfare measures of Inderprastha Dental College & Hospital include various activities that are directed towards improvement and comfort of employees by offering facilities that enable the beneficiaries to work in a better environment with high morale and longer retention period. Our objective is to motivate our staff so that they take initiative in accomplishing the tasks with involvement and active participation. This will help to improve individual performance resulting in consistent growth of the institution.



CULTURALS & SPORTS: The Institute encourages extra-curricular activities for the students to promote holistic development. The Institution conducts various cultural, sports & technical events at inter-college & intra-college levels.

YEAR	NAME OF THE ACTIVITY	SPORTS	CULTURAL
2023-2024	World no tobacco day		IEC Activity competition
	World Oral Health Day		Painting and Slogan Writing, Reel Making
	National Periodontist Day		Slogan Writing and Rangoli Competition
	Freshers		Solo Dance, Solo Song, Group Dance, Fashion Show, Band Performance
	Annual Sports 2023	Atheletics and Indoor Competition	
	Annual Sports 2023	Cricket Tournament	
	Annual Sports 2023	Kabaddi Tournamaent	
	International Day of Radiology		Project making competition
	Annual Sports 2023	Football Tournament	
	Annual Sports 2023	Badminton Tournament	
	Orthomanthan		Wire Bending Competition
	World Dentist Day		T-shirt painting, best out of waste, Slogan writing

We've made significant progress over the past year toward reaching our Institute goals, and every day we are working toward attaining higher levels of excellence. This report illustrates the important activities that have been made, and highlights success of Inderprastha Dental College & Hospital. Our institute continues to offer the most advanced dental education available, and our faculty is consistently working relentlessly for excellence. We are proud of our diverse community, and have highlighted the depth of experience that informs our pathways to success. We are educating our students to successfully deliver high-quality and compassionate Dental Care in the 21st century, and, we are working diligently to address the dental disparities and attain dental equity. We have welcomed several renowned clinicians to Inderprastha Dental College & Hospital to help lead our efforts in becoming the pre-eminent Dental Campus in India. The accomplishments we celebrate are a reflection of the enthusiasm and commitment that each faculty brings to our college. The extraordinary support of our Management is truly one of the most important driving forces that enables and motivates us to innovate and evolve. For that, we are supremely grateful to each one of our stakeholders, our efforts and initiatives.

