



# FATHOM 3.0

UNDERGRADUATE STUDENT'S CONFERENCE  
ON RESEARCH & INNOVATION IN DENTISTRY

DATE : 8<sup>th</sup> & 9<sup>th</sup> AUGUST 2024



Organised by -

STUDENT'S COUNCIL, INTERNS CLUB, IQAC

**GOVT. DENTAL COLLEGE &  
HOSPITAL, NAGPUR**

Govt. Medical College Campus, Medical Square, Ajni Road, Nagpur

Phone : 0712 2744496

[www.gdcnagpur.edu.in](http://www.gdcnagpur.edu.in)



## My GDC

Government Dental College & Hospital Nagpur (GDCHN) is a premier dental institute located in the geographical center of India. Established in 1968, it is part of the Government Medical College Campus, one of the largest medical campuses in Asia. GDCHN is recognized by the Directorate of Medical Education & Research (DMER), the Medical Education & Drug Department (MEDD, GOM), and the Dental Council of India (DCI). The institute has nurtured over 2000 dental graduates and was a pioneer in establishing the MDS postgraduate program in all specialties. In 1998, its undergraduate program was affiliated with Maharashtra University of Health Sciences (MUHS), and in 2009, its postgraduate degree program followed suit. GDCHN has further expanded to include PhD and fellowship programs. GDCHN boasts a full-time faculty meeting DCI requirements and an annual patient turnover of 200,000. Many of its alumni hold prominent positions in healthcare, governance, academics, and research both nationally and internationally.

Fathom 3.0 is the third edition of the Undergraduate Student Conference on Research and Innovation in Dentistry. Fathom 1.0 has set a high standard by being honored with the presence of the Honorable Vice Chancellor of MUHS, Lt. Gen. Madhuri Kanitkar, a prominent figure in medical education. Her participation inspired attendees and underscored the importance of the event.

Fathom 2.0, " was also held with great enthusiasm and quickly became a pivotal gathering for dental education enthusiasts and professionals. It provided a collaborative platform for sharing insights, advancements, and innovative ideas in dental research and education. As we approach Fathom 3.0, we aim to build on the strong foundation laid by its predecessors. This edition promises to advance the conference's mission of promoting research, innovation, and collaboration in dental education.

We, the students of GDCN, are thrilled to invite you to join us for this exciting and fabled conference! Be a part of this incredible event and make your mark amongst our dental fraternity. Let's innovate and inspire together!



**GLIMPSE OF FATHOM 1.0 & 2.0 .....**

## ORGANISING TEAM



**Dr. Abhay Datarkar**  
Dean & President  
SCGDCHN



**Kashak Jain**  
General Secretary  
SCGDCHN



**Dr. Rakesh Bahadure**  
Officer Incharge  
SCGDCHN



**Dr. Vaibhav Karemore**  
Coordinator  
Fathom 3.0



**Dr. Shubhangi Wate**  
Co-Coordinator  
Fathom 3.0



**Gauri Somani**  
Scientific Coordinator



**Umesh Suroshe**  
Scientific Coordinator



**Nikhil Shastrakar**  
Scientific Member



**Harshada Bhore**  
Scientific Member



**Radhika Badhe**  
Scientific Member



**Tejaswini Phulbandhe**  
Scientific Member

## ADVISORS

Dr. Mangesh Phadnaik  
Dr. Manjusha Warhadpande  
Dr. Arun Khalikar  
Dr. Prashant Pandilwar

Dr. Ritesh Kalaskar  
Dr. Ashita Kalaskar  
Dr. Santosh Chavhan  
Dr. Amit Parate

Dr. Sachin Khatri  
Dr. Suryakant Deogade  
Dr. Jyoti Manchanda  
Dr. Shubha Hegde

# GALAXY OF SPEAKERS



**DR. ABHAY N. DATARKAR**

B.D.S., M.D.S, DNB ,  
FIBCSOMS FDSRCPS (Glasgow) UK  
Dean & Professor G.D.C.H.Nagpur

Topic : My Journey in innovations in maxillofacial surgery.



**DR. HARSHWARDHAN ARYA**

B.D.S., M.D.S.  
Co-guide PhD research project  
VNIT Nagpur  
Ex-Professor & PG Guide  
Dept. of Prosthodontics

Topic- ' Technological innovations in restorative dentistry '



**DR. RITESH KALASKAR**

B.D.S., M.D.S. , MBA ( Health),  
PhD Professor & H.O.D.  
Dept. of Pediatric & Preventive Dentistry  
Government Dental College and  
Hospital, Nagpur

Topic : Innovations in Pediatric Dentistry

## POSTER/PAPER PRESENTATION:

- 1) Delegate Registration for FATHOM 3.0 is mandatory for paper/poster presentation.
- 2) Presenters are allowed to present their own or their team work only which is not published till date. Only one presenter is allowed.
- 3) Time limit for scientific Paper Presentation: 8 minutes + 2 minutes. Time limit for poster Presentation will be 5 minutes.
- 4) Please do-not mention personal details or acknowledgement name in the presentation, doing so will lead to disqualification.
- 5) Certificate will be presented to all the participants.
- 6) The decision of the scientific committee will be final.

## PRIZES -

Trophy will be awarded to institution performing best in all competitions.

1. For Table Top Clinic Presentation - Winner 1st Runner-up
2. Paper Presentation - 1st Prize 2nd Prize
3. Poster Presentation - 1st Prize 2nd Prize

Student Registration (Till 06/08/2024)	500/- (Includes registration kit, certificate, opportunity to present table top model and paper/poster, 1 breakfast, 2 lunches and high tea)
Student Registration (After 06/08/2024)	700/- (Includes registration kit, certificate, opportunity to present table top model and paper/poster, 1 breakfast, 2 lunches and high tea)



**Institution Innovation Council**  
**GOVERNMENT DENTAL COLLEGE AND HOSPITAL, NAGPUR**  
In collaboration with  
**VIBHA - विज्ञान भारती**

# AVINYA

TABLE TOP DEMONSTRATIONS

**THEME**

**INNOVATION IN DENTAL SCIENCES**

Venue

Govt. Dental College and Hospital, Nagpur

Date

8<sup>th</sup> & 9<sup>th</sup> August 2024



The Institution Innovation Council at Government Dental College and Hospital, Nagpur, in collaboration with VIBHA, proudly presents the Table Top Demonstrations focusing on Innovation in Dental Sciences. This event aims to showcase the latest advancements and innovative practices in dental care.

Swadeshi Science Movement was started in Indian Institute of Science- (Bengaluru) by a few eminent scientists under the guidance of Prof. K I Vasu. This movement gradually gained momentum and emerged as an organization with national presence. In 1991 (Oct 20- 21) at the Nagpur meet, it was decided, to launch the Swadeshi Science Movement at all India Level and named it as Vijnana Bharati. Vijnana Bharati has units in 22 states across the country and contacts in 4 states. It is working in 11 different areas through autonomous institutions, independent organizations & also as project entities.

Despite significant advancements in dental research, a substantial gap remains between academic findings and their application in clinical practice. Almost 90% of dental technologies and tools used in India are imported, highlighting the urgent need for indigenous innovation. This reliance not only escalates costs but also restricts the accessibility and adaptability of advanced dental care to the specific needs of the Indian population.

By encouraging student researchers, to develop practical and commercially viable products and services, this competition seeks to reduce dependency on imported dental technology, promote local innovation and entrepreneurship, and stimulate economic growth. It aims to translate academic research into real-world applications, ensuring cutting-edge discoveries benefit clinical practice and patient care directly. Additionally, it fosters a culture of innovation among dental students, equipping them with the skills and mindset necessary to drive future advancements. This competition aims to bridge that gap by fostering practical innovation in dental sciences and motivate students to think beyond CURRICULUM.

### **Objectives:**

- To highlight cutting-edge dental technologies and innovations.
- To foster knowledge exchange among dental professionals.
- To promote collaborative research and development in dental sciences.
- To encourage the development of commercially viable dental products and services.
- To motivate students to engage in innovative dental research and practices.

### **Key Highlights :**

- Live demonstrations of innovative dental procedures.
- Interactive sessions with leading dental experts.
- Networking opportunities with professionals and industry leaders.

## **RULES AND REGULATIONS**

### **1. Eligibility :**

Open to Undergraduate dental students  
Maximum 3 participants in each group  
Participants must register by the specified deadline.

### **2. Abstract Submission :**

Last date of abstract submission is 3rd August 2024  
Submit abstract to scientific.fathom3.0@gmail.com

### **3. Presentation Topics :**

Topics should be related to dental innovation, including but not limited to new technologies, procedures, materials, and practices.  
Each participant/team must submit a brief abstract of their presentation for review and approval.

### **4. Presentation Setup :**

Each team will be provided with a table for their demonstration.  
Tables should be set up 30 minutes before the start of the event.  
Participants are responsible for bringing their own equipment and materials.

### **5. Time Allocation :**

Each presentation should not exceed 8 minutes, including Q&A.  
A 5 for presentation 3 min for Q&A.

### **6. Judging Criteria :**

Innovation and originality.  
Practical applicability and commercial viability.  
Clarity and effectiveness of the presentation.  
Engagement with the audience.  
Ability to answer questions effectively

## **REGISTRATION AND CONTACT DETAILS**

Registration charges: 500/- (FATHOM 3.0 conference registration is mandatory to participate in Table-top Demonstration competition)

Contact Us:

For more information, please contact: Dr. Noopur Kokane

Email: scientific.fathom3.0@gmail.com

Phone: 8287070480

## **INSTITUTION INNOVATION COUNCIL**

**Dr. Abhay Datarkar**  
Chairman

**Dr. Sachin Khatri**  
Officer in charge

## **MEMBERS**

Dr. Ritesh Kalaskar  
Dr. Vandana Gadve

Dr. Yogesh Ingole  
Dr. Noopur Kokane



## PROGRAM SCHEDULE

8 AUGUST 2024 THURSDAY (DAY 1)

TIME	PROGRAM	VENUE
08.00 AM - 09.00 AM	Registration & Breakfast	GDC Courtyard
09.00 AM -10.00 AM	Inauguration of 'UTSAV 2024'	In front of college
10.00 AM -10.30 AM	Table Top Clinic Presentation Inauguration	Oral pathology hall
10.30 AM -11.30 AM	Inauguration of FATHOM 3.0	Auditorium
11.30 AM - 12.30PM	Guest felicitation	Auditorium
12.30 PM- 01.30 PM	Working Lunch	GDC Courtyard
01.30 PM- 02.15 PM	Lecture 1	Auditorium
02.15 PM – 03.00 PM	Lecture 2	Auditorium
03.00 PM- 03.45 PM	Lecture 3	Auditorium
01.00 PM- 04.00 PM	Paper and poster presentation	Swadhyay 1 and Swadhyay 2
04.00 PM – 04.30 PM	High tea	GDC Courtyard

9 AUGUST 2024 FRIDAY (DAY 2)

TIME	PROGRAM	VENUE
09.30 AM - 11.00 AM	Judgment Of Table Top Clinic Presentation	Oral pathology hall
11.00 AM - 12.30 PM	Valedictory	Auditorium
12.30 PM - 1.30 PM	Working Lunch	GDC Courtyard

## FATHOM 3.0 Registration Guidelines

Welcome to FATHOM 3.0 Dental Conference Registration! We are excited to have you join us for this enriching event. Below are the registration steps to secure your spot:

**Step 1: Visit the [www.gdcnagpur.edu.in](http://www.gdcnagpur.edu.in) Website** Go to the official GDCH, Nagpur website using your web browser. You can find the website link through our Brochure of "FATHOM 3.0" in your preferred search engine.

### Step 2: Registration

Click on the "Register" button on the website. You'll be directed to Registration Page.

### Step 3: Fill Out Personal Information

Once you have visited Registration Page. You'll be prompted to complete your profile by providing your full name, contact information, and any other necessary details.

### Step 4: Review and Confirm

Carefully review your registration details, personal information. Make sure everything is accurate before proceeding.

**Step 5: Payment** FATHOM 3.0 accepts various payment methods. Details of Payment Mentioned below:-

#### **BANK DETAILS :-**

Name of:- Bank of Maharashtra  
Bank Account : 20126683144  
IFSC Code:- MAHB0000137  
UPI Id and QR code:- scgdc@mhb



**Step 6: Confirmation** After successful payment, you will receive an email confirming your registration for FATHOM 3.0 Dental Conference. This email may also include additional details about the event, such as location, and further instructions.



GOVT.  
DENTAL  
COLLEGE  
AND  
HOSPITAL  
NAGPUR

60  
YEARS



MARCHING  
TOWARDS  
SIXTY  
YEARS  
OF  
LEGACY

60  
YEARS

**GOVT. DENTAL COLLEGE & HOSPITAL, NAGPUR**

Govt. Medical College Campus, Medical Square,  
Ajni Road, Nagpur