



# MANSAROVAR DENTAL COLLEGE

Mansarovar Campus, Rani Avanti Bai Marg, Village- Hinotia Aalam,  
Ward No. 84, Kolar Road, Bhopal (M.P) 462042

Tel: +91-9111777225, 761158888. Website: [www.mansarovardentalcollege.com](http://www.mansarovardentalcollege.com)

## **BEST PRACTICE 1**



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## BEST PRACTICE 1

### **"TRANSFORMING ANATOMY LEARNING: ENGAGING FIRST YEAR UNDERGRADUATE STUDENTS WITH 3D MODELS, VISUAL CHARTS, AND PEER-DRIVEN SEMINARS"**

#### **OBJECTIVES OF THE PRACTICE:**

This practice aims to help first-year students understand anatomy in a more practical and enjoyable way. Through interactive tools and support from senior students, our objectives are:

- To make it easier for students to learn complex anatomy by using 3D models and visual charts.
- To create a friendly learning environment where third-year students guide first-year students through seminars.
- To make anatomy classes more interesting and hands-on, which will help students learn better and feel more confident in their studies.

#### **BACKGROUND:**

Learning human anatomy is essential for dental students, but it can be quite difficult to grasp through lectures alone. Recognizing this, Mansarovar Dental College decided to adopt a new teaching style to make anatomy more engaging. The goal is to connect theoretical knowledge with practical learning by using 3D models, visual aids, and peer-driven seminars.

#### **THE PRACTICE:**

Implemented for the 2023-24 first-year batch, this approach has three main parts:

1. **3D Models:** First-year students use 3D models to gain a hands-on understanding of anatomy, making it easier to visualize structures.
2. **Visual Charts:** Detailed charts support learning by helping students visually connect concepts they read about.
3. **Peer-Driven Seminars:** Third-year students take charge of interactive seminars, guiding first-year students through topics and answering questions. This not only benefits first-year students but also strengthens the knowledge of the seniors.



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## EVIDENCE OF SUCCESS:

The practice has shown positive outcomes since it began:

- **Better Test Scores:** Anatomy test results improved by about 20% compared to previous years, showing better understanding.
- **Higher Engagement:** About 85% of students reported feeling more interested in anatomy and confident in their studies.
- **Stronger Peer Connections:** Both first- and third-year students enjoyed working together, which has created a stronger learning community at the college.

Table .1. Show the success metrics for the initiative

Month	Student Engagement (%)	Test Score Improvement (%)	Student Satisfaction (%)
Jun-23	65	5	60
Jul-23	68	7	63
Aug-23	70	8	66
Sep-23	72	10	69
Oct-23	75	12	72
Nov-23	78	13	75
Dec-23	80	15	78
Jan-24	82	16	80
Feb-24	85	18	83
Mar-24	87	20	85
Apr-24	90	22	88
May-24	92	25	90

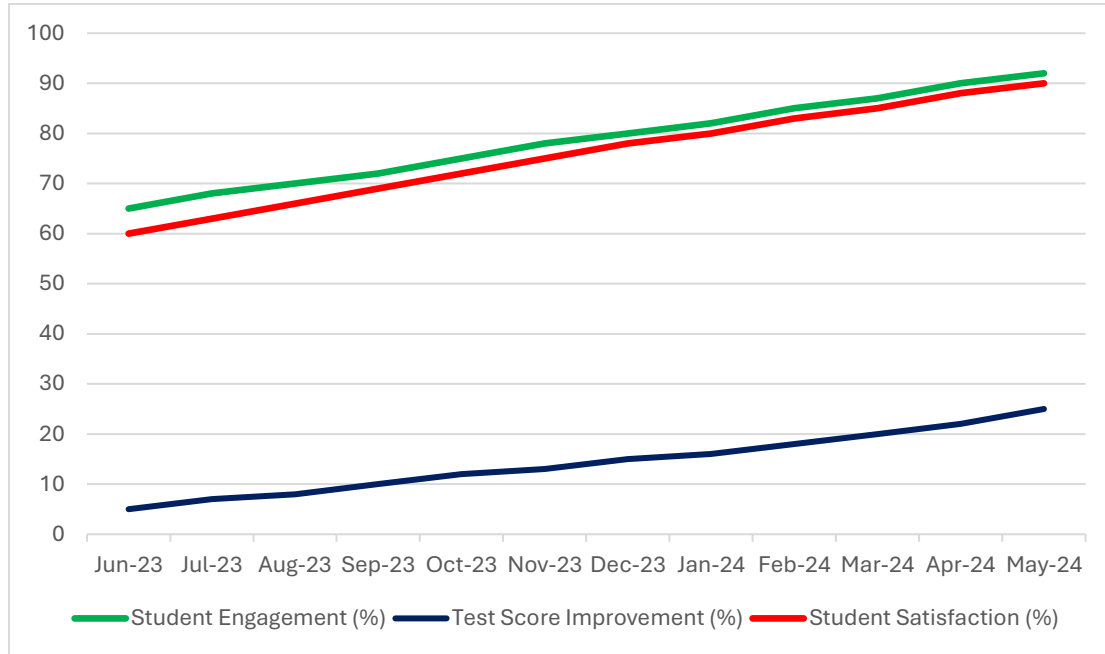
Line Graph .1. showing the success metrics for the initiative



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**Student Engagement (%)**: Percentage of students actively participating in peer-led seminars, interacting with 3D models, and engaging in discussions.

**Test Score Improvement (%)**: Month-over-month average improvement in assessment scores, indicating knowledge retention and application skills.

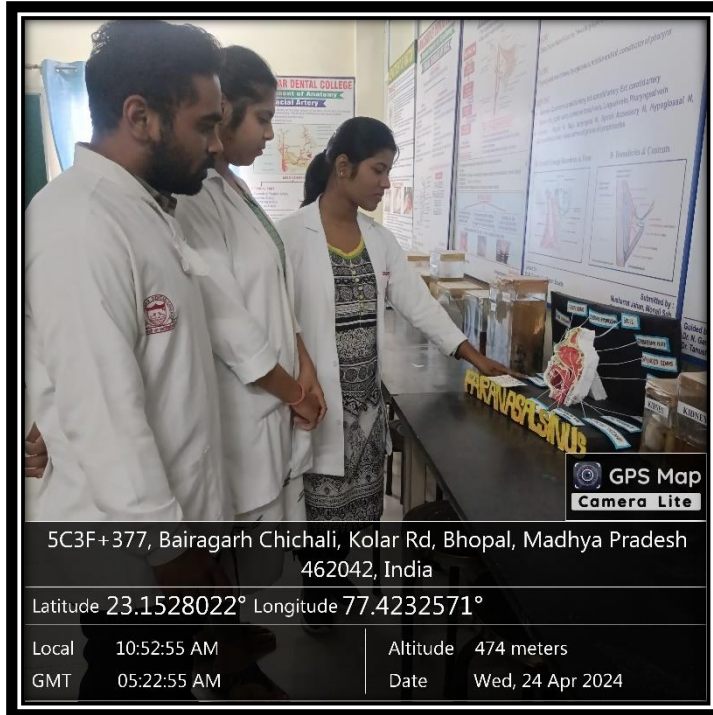
**Student Satisfaction (%)**: Percentage of students reporting satisfaction with the anatomy learning enhancements through surveys or feedback forms.



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5C3F+377, Bairagarh Chichali, Kolar Rd, Bhopal, Madhya Pradesh  
462042, India

Latitude 23.1528022° Longitude 77.4232571°

Local 10:52:55 AM  
GMT 05:22:55 AM

Altitude 474 meters  
Date Wed, 24 Apr 2024



5C3F+377, Bairagarh Chichali, Kolar Rd, Bhopal, Madhya Pradesh  
462042, India

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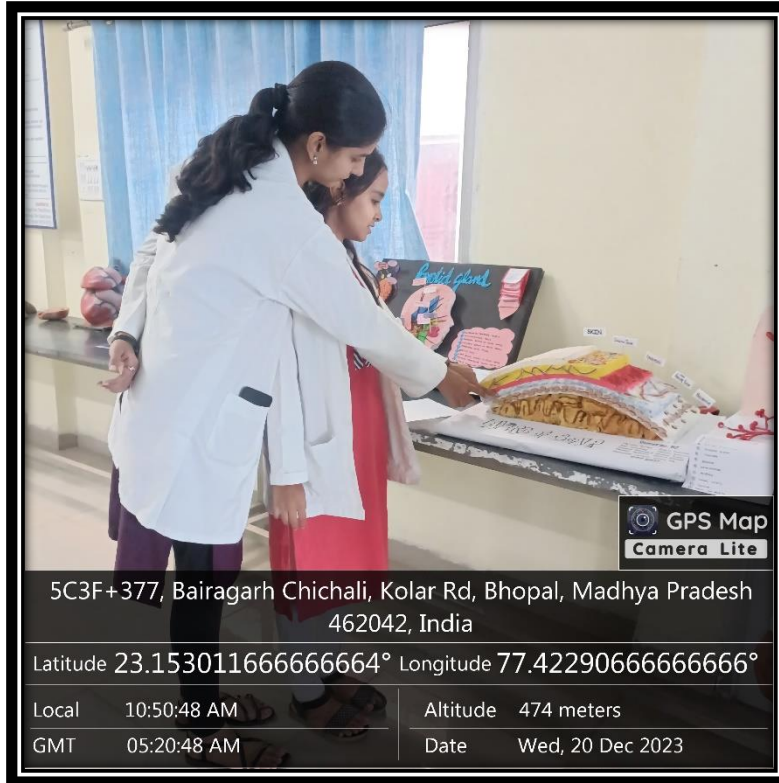
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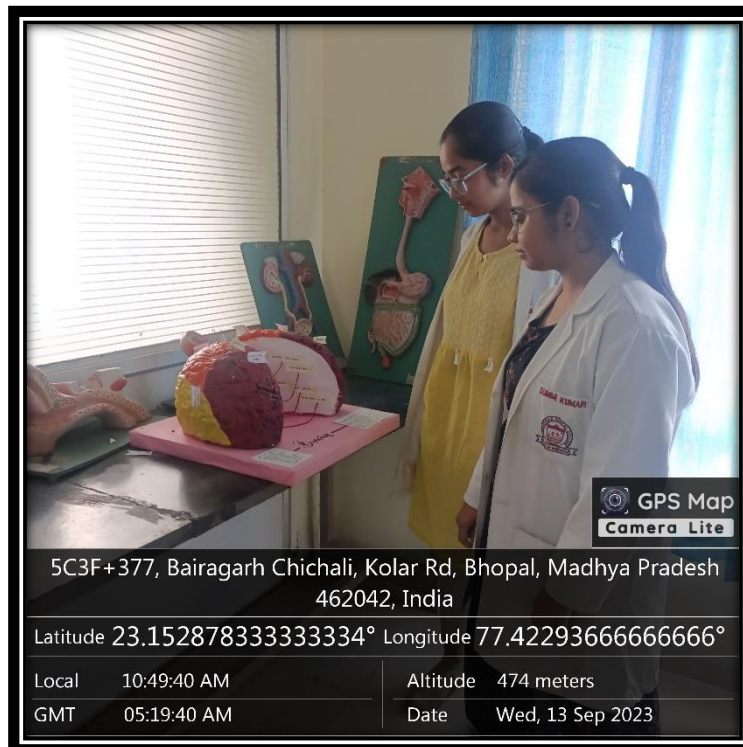
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462042, India

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Altitude 474 meters

GMT 05:19:40 AM

Date Wed, 13 Sep 2023



# MANSAROVAR DENTAL COLLEGE

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## CHALLENGES AND SOLUTIONS:

1. **Challenge:** Third-year students were initially nervous about leading seminars.
  - **Solution:** We organized training sessions to build their confidence and provide tips on effective teaching.
2. **Challenge:** There were limited high-quality 3D models available due to budget.
  - **Solution:** We set up a schedule so that all students could use the models in turns, and we secured additional models through funding support.

## RESOURCES REQUIRED:

- A variety of detailed 3D anatomy models.
- High-quality visual charts.
- Seminar spaces with audio-visual tools for interactive sessions.
- Training workshops to prepare third-year students for their role as mentors.
- 

## CONCLUSION:

This approach has changed the way anatomy is taught at Mansarovar Dental College by making it more interactive and student friendly. Through peer-driven learning and practical tools, students feel more engaged and confident, setting a new standard for student-centered learning in dental education.



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## **BEST PRACTICE 2**





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## BEST PRACTICE -2

### COMPREHENSIVE DENTAL PRACTICE TRAINING FOR INTERNS

#### OBJECTIVES OF THE PRACTICE:

Mansarovar Dental College, Bhopal, introduced the Comprehensive Dental Practice Training program for interns with two main goals:

1. To provide interns with practical, real-life experience similar to what they will face in private dental clinics after graduation.
2. To help interns understand their limitations during clinical practice and train them to know when to refer patients to specialists for further treatment.

#### BACKGROUND:

Mansarovar Dental College believes that interns should not only be skilled in routine dental procedures but should also gain an understanding of the practical aspects of clinical practice. This includes decision-making, patient management, and recognizing when to refer complex cases to specialists. The college aims to prepare interns for the real-world challenges they will face in private practice and other dental settings after graduation.

#### THE PRACTICE:

- **Simulated Private Clinic Environment:** Interns are given cases in a setting that mirrors the conditions of a private clinic. They manage patient care under supervision, which gives them a taste of real-world dental practice.
- **Comprehensive Case Management:** Interns treat a wide range of cases, from simple procedures like fillings and cleanings to more complex treatments such as root canals and orthodontics. This exposure allows them to handle diverse dental conditions confidently.
- **Specialist Referrals:** The program trains interns to recognize when a patient's condition requires specialized treatment. Interns attend sessions with specialists and learn how to evaluate and refer complex cases.

#### RESOURCES REQUIRED:

- **Human Resources:** The program involves experienced faculty members, specialists, and supervising clinicians who guide the interns through the process.
- **Infrastructure:** The dental clinic is designed to provide an environment that replicates private practice, equipped with modern dental tools and patient management systems.



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- **Financial Resources:** Funds are allocated for maintaining the clinic, as well as for arranging sessions with specialists and updating equipment as needed.

## **EVIDENCE OF SUCCESS:**

The Comprehensive Dental Practice Training has shown significant success, with the following indicators:

- **Increased Confidence:** Interns have expressed greater confidence in their clinical abilities after undergoing this program, feeling more prepared to handle various dental cases independently.
- **Improved Clinical Judgment:** Interns have developed better decision-making skills, especially in identifying when a case requires a referral to a specialist. This is confirmed by regular feedback from supervising faculty.
- **Enhanced Employability:** Many graduates from the program have successfully entered private practice, citing the real-world experience they gained as a major benefit during their job search.



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**Table 1: Number of Interns Trained in Comprehensive Dental Practice (Yearly Overview)**

Year	Number of Interns Trained	Number of Cases Handled	Number of Specialist Referrals	Number of Successful Case Completions
2023-24	60	600	90	510

**Table 2: Monthly Breakdown of Interns' Patient Cases**

Month	Root Canal Treatments	Crowns & Bridges	Tooth Cleaning	Orthodontic Treatments	Other Procedures
June 2023	15	10	20	12	8
July 2023	17	12	22	14	10
August 2023	20	15	25	16	12
Sept 2023	22	18	28	18	14
Oct 2023	25	20	30	20	16
Nov 2023	28	22	32	22	18
Dec 2023	30	24	35	24	20
Jan 2024	32	26	38	26	22
Feb 2024	35	28	40	28	24
Mar 2024	38	30	42	30	26
April 2024	40	32	45	32	28
May 2024	42	35	48	35	30



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**Table 3: Success Rate of Interns in Clinical Decision-Making**

Category	Number of Interns	Success Rate (%)
Identifying Routine Cases	60	90
Recognizing Complex Cases	60	85
Making Appropriate Referrals	60	80
Completing Treatments Independently	60	88

**Table 4: Feedback from Interns on Clinical Practice Training**

Feedback Category	Rating (1-5)	Percentage of Interns Rating 4 or 5
Confidence in Patient Handling	4.6	95%
Knowledge of Specialist Referrals	4.5	92%
Understanding Clinical Limitations	4.7	94%
Overall Program Satisfaction	4.8	96%



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## Mansarovar Dental College , Bhopal Comprehensive Treatment Duty Allotted Doctors List

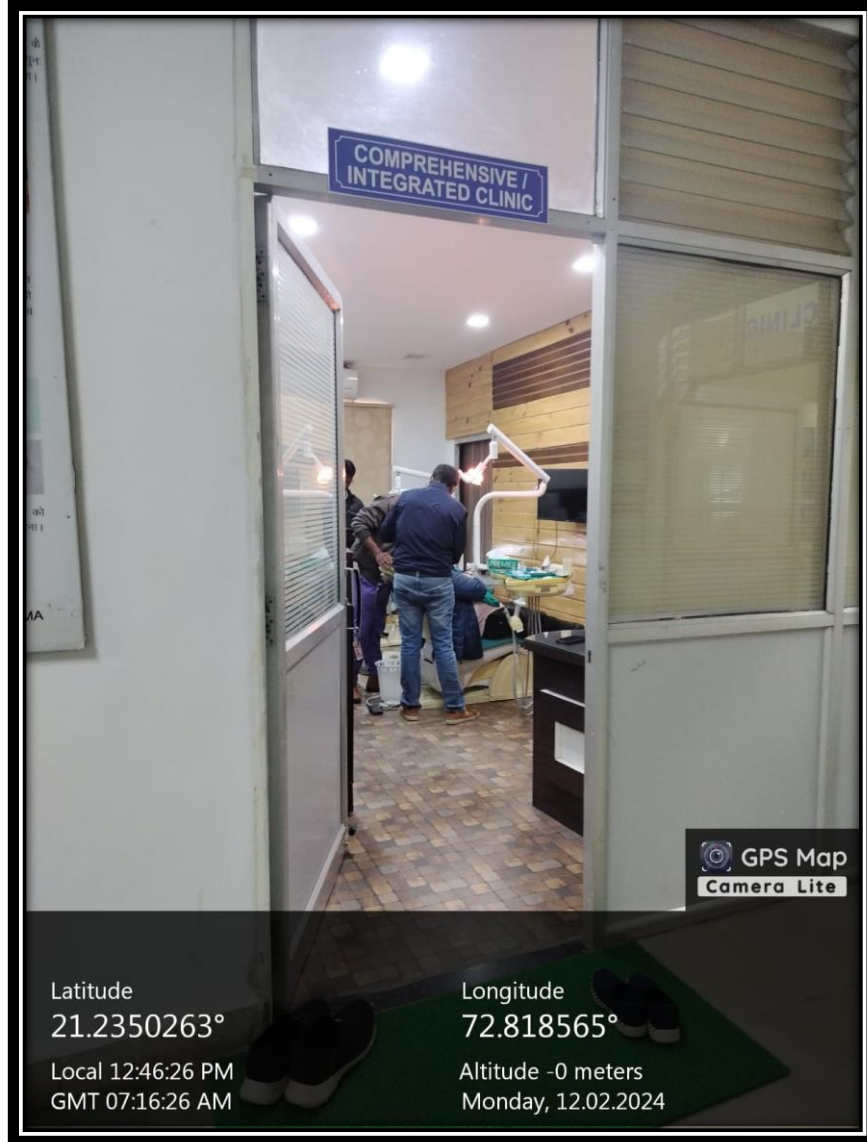
Month	Assisting Doctor	Signature	Treating Doctor	Signature
June 23	Shalini Sengar		Dr. Sukrati Yadav	
July 23	Shreyas Nair		Dr. Purvi	
August 23	Gautam		Dr. Saif	
September 23	Lean Leo Bhandu		Dr. Ashu	
October 23	Anushka Singh		Dr. Sukrati Yadav	
November 23	Saumya Nair		Dr. Saif Farooqui	
December 23	Angitha Vijayan		Dr. Subodh	
January 24	Dipali Kumari		Dr. Tilvin V. Tom	
February 24	Kishan Sinha		Dr. Subodh	
March 24	Masum Bharti		Dr. Purvi	
April 24	Gyana singh		Dr. Tanupriya	
May 24	M.D Qaisar Ali		Dr. Ashu	



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## **IMPACT:**

- **Skill Enhancement:** The program has significantly contributed to the overall clinical skill development of the interns, particularly in diagnosing and treating a wide range of dental conditions.
- **Recognition of Limitations:** Interns have learned to recognize their professional limitations, which is crucial for providing safe and effective patient care. They are now better able to refer complex cases to specialists when necessary.
- **Improved Career Prospects:** The exposure to real-world practice has made the interns more employable, as they are more prepared for independent practice in private clinics or hospitals.

## **Conclusion:**

The Comprehensive Dental Practice Training program at Mansarovar Dental College has been an effective approach in bridging the gap between academic learning and real-life dental practice. By offering a simulated private clinic experience and teaching interns when to refer patients to specialists, the program has successfully enhanced their clinical skills, judgment, and confidence.

This initiative is in line with Mansarovar Dental College's vision to provide holistic, hands-on training to its students, ensuring they are ready to meet the demands of modern dental practice and provide quality care to patients.