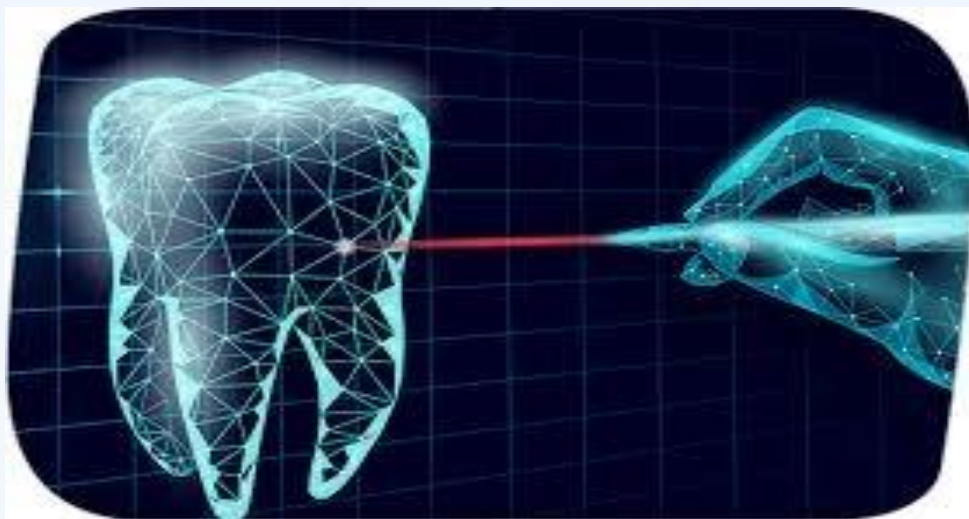


DENTAL INSTITUTE,
Rajendra Institute of Medical Sciences, Ranchi
in association with
Indian Council of Medical Research,
Department of Health Research, New Delhi
Organizes
HANDS-ON WORKSHOP
on

**PHOTOBIO-MODULATION AND PHOTODYNAMIC
THERAPY IN DENTISTRY**



Date: 19.01.2024 to 21.01.2024

*Venue: 4th floor, Seminar Hall, New Trauma Centre,
RIMS, Ranchi*

LIMITED SEATS FOR HANDS-ON

About RAJENDRA INSTITUTE OF MEDICAL SCIENCES, Ranchi

Rajendra Institute of Medical Sciences (RIMS) is a premier Medical Institute located at Ranchi, the capital of Jharkhand. The college is an autonomous body established under an act of Jharkhand Assembly. The institute was established in 1960 and was originally called Rajendra Medical College Hospital after Dr. Rajendra Prasad, the first President of India. The Medical College Hospital came into existence in February 1965 and has excelled ever since its inception. The motto of the institute is "**Sarve Santu Niramayah**". RIMS Ranchi has a very large and spacious campus. It has a 1500 bedded facility with multi-specialty hospital with state of art equipment. The institute is a tertiary care center that has excellent infrastructure for patient care as well as opportunity to acquire knowledge and skills from experienced faculties. The college also has a 100 bedded Trauma Centre, the first of its kind in Eastern India with most modern equipment. Under PMSSY scheme, a 240 bedded Super Specialty block deals with the patients in the field of Oncology, Cardiology, Urology, Pediatric Surgery and Cardio-thoracic Vascular Surgery was established. Dental Institute, RIMS was founded in the year 2017 and is the first autonomous Dental College of State government in Jharkhand. RIMS conducts teaching program in medical, dental and para-medical courses. Besides undergraduate courses, post graduate courses, PhD and super-specialty courses are offered in various disciplines. RIMS is affiliated to Ranchi University. RIMS also runs a school and college of nursing.

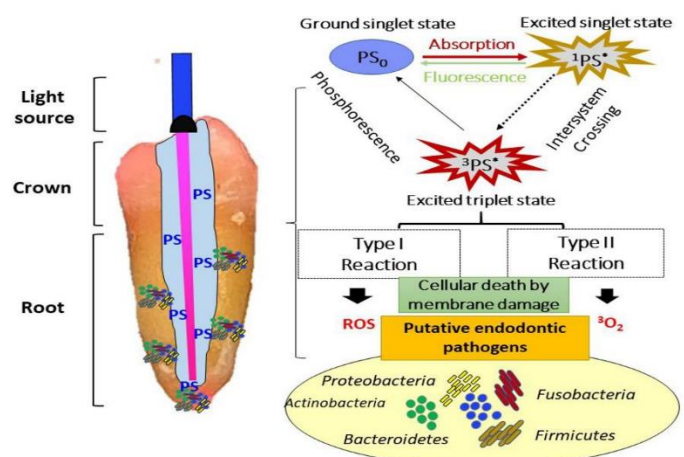
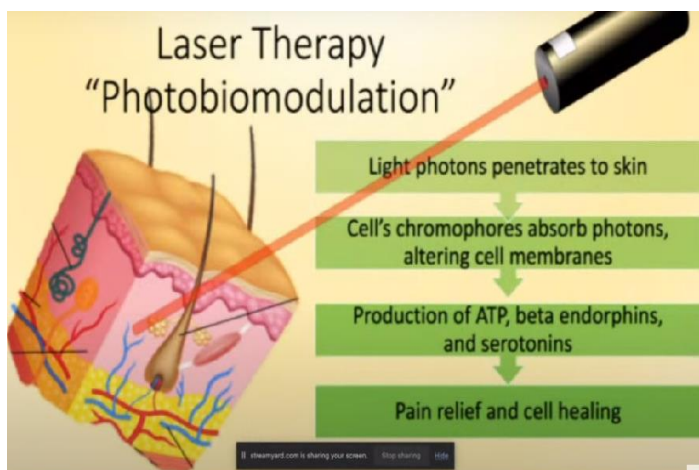


ABOUT THE WORKSHOP

PHOTOBIO-MODULATION AND PHOTODYNAMIC THERAPY IN DENTISTRY

ICMR invited proposals for organizing Workshops on “Clinical Training/Translational Research” for funding support for the year 2023. The "Clinical Training" pertains to giving hands-on training for any specific clinical procedures to medical/dental students or young clinicians/scientists in the selected/related field of biomedical research. Under this scheme, Dental Institute, Rajendra Institute of medical Sciences, Ranchi, has received financial assistance for organizing the workshop on “PHOTOBIO-MODULATION (PBM) AND PHOTODYNAMIC THERAPY (PDT) IN DENTISTRY”

This three-day workshop is an endeavor to introduce non-invasive, low-level laser light therapy into dental practice. PBM and PDT, utilizing Low-Level Laser Therapy (LLLT), offer minimally invasive treatment modalities for pain relief, inflammation reduction, and accelerated healing in dentistry. These techniques, relatively unexplored in India and absent from the dental curriculum, are the focus of the workshop, aiming to enhance global oral health outcomes. The workshop will cover fundamental principles of medical lasers and explores the applications of PBM and PDT in managing potentially malignant disorders, oral cancer, temporomandibular disorders, orofacial pain, and tobacco deaddiction. By naturally increasing endorphin levels, laser therapy provides a novel solution for nicotine withdrawal, addressing cravings and stress. Additionally, the workshop will delve into the role of low-level lasers in accelerated orthodontics, periodontal surgery, and endodontic applications, presenting alternative strategies for improved patient comfort and treatment outcomes. Emphasizing practical insights and hands-on experience, the workshop will foster collaboration and interdisciplinary approaches among dental professionals and researchers. Attendees will gain valuable knowledge and skills, practicing PBM and PDT techniques under experienced guidance. The workshop is a dynamic platform for knowledge exchange, skill development, and advancements in biomedical research, promising to elevate dental practice standards and improve patient care on a global scale.



ORGANIZING TEAM



CHIEF PATRON
Prof. (Dr.) Rajiv Kumar Gupta
Director & CEO, RIMS, Ranchi



CO - PATRON
Prof. (Dr.) Narendra Nath Singh,
Principal, Dental Institute, RIMS



CONVENER
Dr. Arpita Rai, Assoc. Professor,
Oral Medicine and Radiology



CO-CONVENER
Prof. (Dr.) Vivek Gupta, Head,
Periodontology



TREASURER
Dr. Prashant Gupta, Add. Prof. &
Incharge, Oral Medicine & Radiology

ADVISORY BODY

Prof. (Dr.) Vidyapati
Dean (Academics)

Prof. (Dr.) Pradip K Bhattacharya
Dean(Research)

Prof. (Dr.) Hirendra Birua
Medical Superintendent

Prof. (Dr.) Manoj Kumar
Dean (Examinations)

Prof. (Dr.) Shio Priye
Dean (Student welfare)

Prof. (Dr.) Virendra Prajapati
Head, Oral and
Maxillofacial Surgery

Prof. (Dr.) Jayaprakash M.B.
Head, Prosthodontics

Prof. (Dr.) Butta Vishwanath
Head, Conservative Dentistry
and Endodontics

Prof. (Dr.) Poonam K. Jayaprakash
Head, Orthodontics

Dr. Ajoy Shahi
Add. Prof. OMFS

Dr. Subhash Chandra
Add. Prof. Orthodontics

Dr. Bishnupati Singh
Add.Prof. Prosthodontics

Dr. Nishita Garg
Assoc. Prof. & Incharge, Pedodontics

ORGANISING COMMITTEE

Dr. Shantala Naik
Dr. Madhu Ranjan
Dr. Gaurav Kumar
Dr. Mayank Priyadarshi

Dr.Tushar

Dr. Om Prakash
Dr. Abhay Jain
Dr. Sugandha Verma
Dr. Jayant Prakash

Dr. Simpy Amit Mahuli

Dr. Amit Vasant Mahuli
Dr. Shiva Manjunath
Dr. Anka Sharma
Dr. Shashwat Kumar

TENTATIVE SCHEDULE

Day-1

19.01.2024

Topic	Faculty	Timing
Registration		09:00-09:15
Session 1- Mechanism and medical application of LASER	Dr. Raju Poddar, Associate Professor, Bioengineering and Biotechnology, Birla Institute of Technology, Mesra, Jharkahnd	09:15 -10:00
Inauguration followed by High Tea		10:00- 11:00
Session 2- Management of Orofacial Pain and Temporomandibular Disorders through PBM and PDT	Prof.(Dr.) Chandrashekar Yavagal, Director and Head, Laser Dentistry & Photomedicine Research Lab, MMNGH IDS, Belgaum, Karnataka	11:00-12:00
Session 3- Lasers in Tobacco De-addiction	Prof.(Dr.) Puja C. Yavagal, Professor, Public Health Dentistry, Bapuji Dental College and Hospital, Davangere, Karnataka	12:00-01:00
Lunch		01:00-02:00
Workshop on PBM and PDT applications in Oral Medicine (Maximum 15 participants)	Prof.(Dr.) Chandrashekar Yavagal & Dr. Amit Basannavar, Associate Professor, Oral & Maxillofacial Surgery, Bharati Vidyapeeth Dental College & Hospital (BVDCH), Sangli, Maharashtra	02:00-05:00

Day-2**20.01.2024**

Topic	Faculty	Timing
Previous day briefing	-	09:00- 09:15
Session 1 - Role of Photobiomodulation (PBM) and Photodynamic Therapy (PDT) in Management of Oral potentially malignant disorders	Dr. Peeyush Shivhare, Senior resident, Oral Medicine and Radiology, AIIMS, Patna, Bihar	09:15 - 10:00
Session 2- Oral Cancer and oral mucositis management with Low-level laser Therapy (LLLT) and PDT	Dr. Amit Basannavar, Associate Professor, Oral & Maxillofacial Surgery, Bharati Vidyapeeth Dental College & Hospital, Sangli, Maharashtra	10:00- 11:00
Tea Break		11:00- 11:10
Session 3- PBM and PDT in periodontics	Prof. (Dr.) Sachin B. Mangalekar, HOD, Periodontology, Bharati Vidyapeeth Dental College and Hospital, Sangli, Maharashtra	11:10- 12:10
Session 4 –Prevention and treatment of Peri-implantitis	Prof. (Dr.) Ashish Jain, HOD, Periodontology, Dr.HS Judge Institute of Dental Sciences & Hospital, Chandigarh	12:10- 01:10
Lunch		01:10- 02:00
Workshop on PBM and PDT applications in Periodontics (Maximum 15 participants)	Prof. (Dr.) Sachin B. Mangalekar, HOD, Periodontology, Bharati Vidyapeeth Dental College and Hospital, Sangli, Maharashtra	02:00- 05:00

Day-3**21.01.2024**

Topic	Name Of Faculty	Timing
Session 1- Accelerated orthodontics and the role of Low-level laser therapy	Prof. (Dr.) Ameet Vaman Revankar, Professor, Orthodontics, SDM College of Dental Sciences & Hospital, Dharwad, Karnataka	09:00 - 09:45
Session 2 - PBM and PDT in Conservative Dentistry and Endodontics	Dr. Arun Jayasheel, Reader, Conservative Dentistry and Endodontics, Bapuji Dental College and Hospital, Davangere, Karnataka	09:45- 10:30
Tea Break		10:30- 11:00
Workshop on PBM and PDT applications in Conservative Dentistry and Endodontics (Maximum 15 participants)	Dr. Arun Jayasheel, Reader, Conservative Dentistry and Endodontics, Bapuji Dental College and Hospital, Davangere, Karnataka	11:00 – 01:00
Valedictory		01:00- 01:30
Lunch		01:30 – 02:00

Meet our Speakers



Dr. Raju Poddar has received BSc in Physics Hons, MSc in Biophysics, MTech in Biotechnology. He has a doctoral degree in Optical Imaging technology received from Birla Institute of Technology, India. He has completed his scientific trainings from NTU, Singapore, Tsukuba University, Japan and VSRI University of California, Davis, USA. He is currently an associate professor at the Dept. of Bio-Engineering, Birla Institute of Technology, Ranchi, India. He has published more than 100 peer-reviewed papers. He has completed more than 14 sponsored projects as PI. His current research interests include lasers in medical physics, PDT, Nano biotechnology, optical coherence tomography, computational biology, nanotheranostics, medical imaging, and optoelectronic systems.



Dr. Chandrashekar Yavagal has over 18 years of experience in the field of Paediatric Dentistry, Surgery and Orthodontics. He is highly experienced in Laser Dentistry and is India's first Laserpreneur specializing in ultra-advanced, zero pain, blood-less and 100% non-surgical healing solutions for medical and dental problems. The brain behind India's International, and award-winning innovative venture – NovoLASE and the founder of– LaserVEDA! He conducts sessions online and offline with the best use of technology. He has published 70+ original research publications in National and International peer reviewed journals, conducted 300+ webinars, workshops, lectures around the world, performed 1000+ Laser Surgeries, trained 598+ students over the years. He currently serves as the Professor & Head of Paediatric Dentistry – MMNGH Institute, Belgaum, RGUHS, India, the Chief Mentor at AALT, Singapore and is a proud recipient of the Best Dental Educator – Jaume I University Spain, Achievers Icon Award 2020, International Doctorate from Central Christian University, Achievers of Karnataka Award 2021.



Dr. Puja C Yavagal is a distinguished academician and Professor in the Department of Public Health Dentistry at Bapuji Dental College and Hospital, Davanagere, Karnataka. She earned her BDS in 2002 and MDS in 2006 from the same institution. With 18 years of teaching experience, she became a PG guide in 2010. Dr. Yavagal has received numerous accolades, including Rajiv Gandhi University gold medals and awards from the International College of Dentists and The Pierre Fauchards Academy. Actively involved in research, she has contributed around 90 publications to reputable international and national journals. A sought-after speaker and workshop presenter, Dr. Yavagal is committed to addressing public health concerns through her ongoing research on laser photobiomodulation for tobacco cessation. Her illustrious career showcases a dedication to education, a passion for research, and a commitment to professional development.



Dr Peeyush Shivhare had completed his BDS in the year 2011 and underwent specialty training in Oral Medicine and Radiology and was awarded Masters in Dental Surgery in the year 2014 from Rajiv Gandhi University of Health Sciences, Karnataka. He has experience of teaching the UG students, and had publications in many national and international journals to his credit. With a stellar academic background, he has pioneered innovative treatments and contributed extensively to dental literature. Serving as a Senior Lecturer/Assistant Professor at esteemed institutions, his impactful research is evident through multiple PubMed-indexed publications. Dr. Shivhare is an award-winning educator, recognized for his exceptional teaching at Nobel Medical College and honored with Best Teacher and Paper awards. A prolific author, he has penned influential textbooks and holds copyrights and patents. Renowned as a keynote speaker, he continues to shape the dental landscape globally.



Dr. Sachin B Mangalekar stands as an esteemed dental professional, boasting an extensive academic history and proficiency across various dental specialties. Possessing degrees in MDS, M.Phil, and a Diploma in Clinical Endodontics, he proudly holds fellowships with the Pierre Fauchard Academy, Academy of Laser Dentistry (ALD, America), and Asian Academy Of Laser Therapy (AALT, Singapore). Currently, he serves as the Head of Department & Professor in the Department of Periodontics at Bharati Vidyapeeth (Deemed to be University) Dental College and Hospital, Sangli, leveraging over 18 years of teaching expertise. Dr. Mangalekar is a prolific researcher, with 40 articles gracing national and international journals, spotlighting his dedication to laser dentistry, periodontal surgeries, and multi-wavelength laser research. His commitment extends to coauthoring textbooks and receiving accolades like the Best Academician award. Backed by a rich institutional and research background, he has left an indelible mark in the realms of academia and clinical practice, making significant contributions to the field of dentistry.



Dr. Amit Basannavar is Associate Professor of Oral and Maxillofacial Surgery at Bharati Vidyapeeth Deemed University Dental College and Hospital in Sangli, India. He has over 10 years of experience in the field, and has been published in numerous national and international journals. He is a member of several professional associations, including the Association of Oral & Maxillofacial Surgeons of India, the American Cleft Palate Association, and the Karnataka Cancer Society. His research interests include craniofacial surgery, laser assisted surgery, orthognathic surgery, oral oncology, and implantology. He has published over 20 articles in these areas. He is also a dedicated teacher and has been awarded for his excellence in teaching.



Dr. Ashish Jain did his Masters from Nair Dental College and PhD from Govt. Dental College, Ahmedabad. He did Post-Doctoral Fellowship from Boston University and another fellowship in Implant Dentistry from Harvard School of Dental Medicine, Harvard University. He has been an adjunct faculty at Goldman School of Dental Medicine, Tufts University Dental School and Forsyth Institute. Dr. Jain has held the position of President, Indian Society of Periodontology. He has been awarded Strauman International Scholarship by ITI, Switzerland & Dr. ML Soni Memorial Award in 2004 besides numerous other national and international research grants. He has more than 110 publications, including 'ISP Good Clinical Practice Recommendations (ISP-GCPR)' for periodontal management in many significant areas in general clinical practice. He is the adaptation editor of 'South Asia Edition of Carranza' text book. Dr Jain has been awarded a patent on a customized 3-D printed, 3-part Immediate Dental Implant. He has served as Principal at Dr. Harvansh Singh Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh for six years and at Government Dental Institute, RIMS, Ranchi in 2022-23. He has worked as Director IQAC at Panjab University, Chandigarh from 2019-22. Currently, He is serving as Professor & head, at Dept of Periodontology, Dr.HSJ Institute of dental sciences and hospital, Panjab University, Chandigarh.



Dr. Ameet Vaman Revankar, Professor in orthodontics and dentofacial orthopaedics at the SDM college of dental sciences, Dharwad, has over 50 publications and is member review board in Orthodontia's best journals including the AJODO, WJO, OCFR, JWFO, PIO, JIOS. He was the past Executive Editor of the Journal of the Asia Pacific Orthodontic Society and past Assistant Editor of the Rajiv Gandhi University of Health Sciences (RGUHS) Journal of Dental Sciences. He is invited speaker at IDA, IOS conferences/conventions, CDEs and has lectured internationally at WFO London, Taiwan, Indonesia, Cambodia. He is the recipient of 2017 Guident best senior academician in orthodontics award.



Dr. Arun Jayasheel, a prominent figure in dentistry, earned his BDS from AME's Dental College and Hospital, Raichur, in 2009 and MDS in Conservative Dentistry and Endodontics from Bapuji Dental College and Hospital in 2012. Currently serving as a Reader in the Department of Conservative Dentistry and Endodontics at Bapuji Dental College and Hospital, Davangere, he is an Executive Committee member of the Academy of Cosmetic Dentistry India. A life member of prestigious dental organizations, Dr. Jayasheel has authored a book on Esthetic Management of Anterior Teeth and boasts publications in various national and international journals. As a certified trainer for Dentsply Sirona, he conducts lectures and workshops, showcasing expertise in endodontics and esthetics. Actively pursuing additional certifications, including an Associate fellowship in Lasers and a Fellowship in Esthetic Dentistry, Dr. Jayasheel remains committed to advancing his skills and contributing to the field of dentistry.

REGISTRATION DETAILS

1. There is no registration fee for the lecture sessions.
2. REGISTRATION FEE for HANDS- ON – RS.1500/- for each session.
3. There are three Hands-on sessions (one each day). One person can register for more than one Hands-on session by paying for each session separately.
4. After payment, the participants must upload the screenshot/photo of the payment receipt in the registration link provided below.
5. Number of seats for the hands-on is limited to 15 per session and will be given on first come first serve basis.
6. Participants should make their own travel and accommodation arrangements. RIMS guest house (on subsidized rates) on self-paid basis may be requested subject to availability. Please contact- Dr. Jayant Prakash - 9000317931
7. Last date of Registration: 7th January 2024
8. Registration link: <https://forms.gle/kHZE2ACAhogS29oU7>

	Registration fee	Provides Access to
Lecture sessions	No Registration fee	Lecture sessions, live streaming of hands-on, workshop material and refreshments
Hands-on training in Periodontics	Rs 1500/-	All the above and the hands-on workshop (Demonstration on patients/ Hand-on on Goat jaw/ extracted teeth)
Hands-on training in Oral Medicine	Rs 1500/-	
Hands-on Training in Conservative Dentistry and Endodontics	Rs 1500/-	

PAYMENT DETAILS- Participants can RTGS/NEFT the fee for the hands-on workshop to the following account:

Beneficiary Name: ICMR RESEARCH ACCOUNT

Bank- State Bank of India, Rajendra Medical Col Campus, P.O. Bariatu, Ranchi, Jharkhand- 834009

Account No- 48332100104

IFSC Code- SBIN0001672

For queries Contact: Dr. Shashwat Kumar- 8986651259

WORKSHOP
on
**PHOTOBIO-MODULATION AND PHOTODYNAMIC
THERAPY IN DENTISTRY**

Registration Form

Registration link:- <https://forms.gle/kHZE2ACAhogS29oU7>

1 Name	
2 Email id	
3 Contact No. (whatsapp no.)	
4 Designation/ Year of Study	
5 College/Affiliation	
6 Government or private institute	
7 Are you interested in attending the Hands-on training	a. Yes b. No
8 If yes, which training session will you be attending? (you can attend more than one session) (only 15 seats per session) Tick all that apply.	<input type="radio"/> Hands-on training in Periodontics (Rs 1500/-) <input type="radio"/> Hands-on training in Oral Medicine (Rs 1500/-) <input type="radio"/> Hands-on Training in Conservative Dentistry and Endodontics (Rs 1500/-)
9 Upload the photo/Screenshot of payment	

ACCOMMODATION



Radisson Blu

📍 Main Road, Diversion Rd,
Kadru, Ranchi



Le Lac Sarovar Portico

📍 Line Tank Rd, Deputy Para,
Ahirtoli, Ranchi



Capitol Residency

📍 Ranchi Station Rd, Near
Gurunack Hospital, Ranchi



Capitol Hill

📍 Mah. Gandhi Main Rd, Near
Punjab Sweet House, Hindpiri,
Ranchi



Chanakya BNR

📍 Station Rd, Sirom Toly, Kishan
Singh Colony, Gosaintola,
Ranchi



Hotel Royal Retreat

📍 Ramgarh Rd, Behind Reliance
Freash, Krishna Nagar, Sainik
Colony, Ranchi



Hotel Retreat Continental

📍 989F+3G8, Shree Vishnu
Talkies Ln, Upper Bazar,
Ranchi



Hotel Raindeew

📍 48, Circular Rd, Ajit Enclave,
Lalpur, Ranchi



Hotel Shivani International

📍 Hinoo Main Rd, Hinoo, Ranchi



Hotel Yuvraj

📍 Mahatma Gandhi Mn. Road,
beside Union Bank of India,
Doranda, Ranchi



AVN Grand

📍 Mahatma Gandhi Mn. Road,
Sharma Lane, Opp. G.E.L
Church, Ranchi



Yuvraj Palace

📍 Kadru Main Rd, Forest Officers
Colony, Doranda, Ranchi

FOR QUERIES CONTACT DR. JAYANT PRAKASH- 9000317931

DISCOVER RANCHI



Patratu Valley



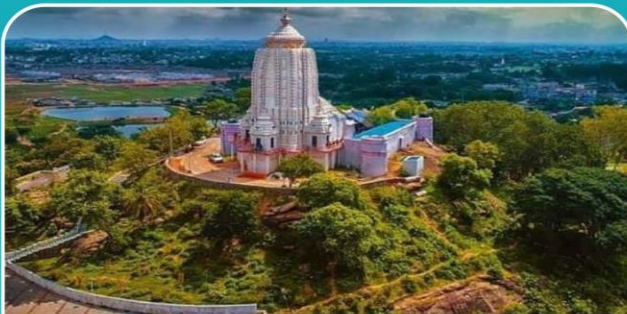
Dasam Water Falls



Tagore Hill



Hundru Water Falls



Jagannath Temple



Jonha Water Falls



Pahari Mandir



Rajrappa Mandir