



## **DEPARTMENT DETAILS**

### **Introduction /Overview**

Our Department of Radiology is responsible for Diagnostic imaging Care, education, research, and often leadership in radiological innovation. By leveraging tools such as X-rays, MRIs, CT scans, ultrasounds, and other diagnostic modalities, our radiology team provides critical insights that aid in accurate diagnosis, treatment planning, and patient care. With a commitment to innovation, patient safety, and quality, the department plays a crucial role in enhancing health outcomes and supporting multidisciplinary care teams. It plays a critical role in the diagnosis, treatment, and management of diseases or conditions that require radiological intervention

As the college was opened on 2017 with occupancy of 100 seats afterwards 50 seats added under EWS scheme. Our department running 3 post graduate seats allotted by NMC from 2023 and it consists 1 Assistant professor, 2 senior residents and 6 junior residents.

Teaching and training of medical students and residents in the fundamentals of radiology

**Provide Accurate Diagnoses:** Utilize state-of-the-art imaging technologies to deliver precise and timely diagnoses, aiding clinicians in making informed decisions for effective patient care.




**Support Multidisciplinary Collaboration:** Foster effective communication and collaboration with other healthcare departments to ensure comprehensive patient care and seamless integration of imaging findings into treatment plans. Develop skills in diagnostic imaging.

**Improve Patient Experience:** Strive to provide compassionate, patient-centered care by offering clear communication, minimizing wait times, and ensuring comfort during imaging procedures

## Mission Is to Provide

Provide High-Quality Radiological Education  
Deliver Exceptional Imaging Care to patients  
Advance Radiological Research  
Foster Professionalism and Ethics  
Engage in Community Service  
Emphasize Interdisciplinary Collaboration

## List of Teaching Faculties

Sr. No.	Name of Faculty	Designation	Qualification	Total Teaching experience	Photo
1	Dr Mayuri Dabhade	Assistant Professor	MBBS MD	2.5 yrs	 MAYURI G. DABHADE
2	Dr Prasanna Barate	Senior Resident	MBBS MD	1.5yrs	
3	Dr Ishita Seth	Senior Resident	MBBS MD	1.5yrs	

## List of Non-Teaching Staff

Sr. No.	Name	Post
1	Suryakant Patil	Ct Technician
2	Mohandas Patil	Ct Technician
3	Kapil mahale	Ct Technician
4	Sushant Pingale	Ct Technician
5	Sunny Khandagale Balaji	X Ray Technicians
6	sangale	
7	Rahul Jagtap	

## Activities by Department

### Post Graduate Activities(weekly)

#### Academic Activities in the Radiology Department

1. **Daily Case Discussion:** Review of interesting cases with clinical correlation.
2. **Lectures & Seminars:** Regular teaching sessions for UG and PG students on imaging techniques, anatomy, and pathology.
3. **Journal Club :** Critical review of recent radiology research articles.
4. **Film Reading Sessions :** Hands-on training in interpreting X-rays, CTs, MRIs, and ultrasounds.
5. **Interdepartmental Meetings (IDMs) :** Joint case discussions with clinical departments.
6. **CME Programs & Workshops :** Participation in radiology conferences, CMEs, and hands-on workshops.
7. **Research & Thesis Work :** PG thesis preparation and encouragement of research and publications.
8. **Mock Exams & Quizzes :** Image-based quizzes and exam-oriented viva sessions.

## **Best Practices/ facilities/Services offered by Department.**

### **1. XRAY DR and CR**

### **2 ULTRASOUND**

#### **A. Antenatal ultrasounds**

- Dating scans
- NT scans
- Fetal growth assessment
- Fetal Doppler assessment and screening of PIH
- Obstetrics emergency scans

#### **B. Abdominal And pelvic ultrasounds**

- Liver, gallbladder, pancreas, kidneys, spleen
- Urinary bladder and prostate (in males)
- Uterus and ovaries (in females)
- Ascites and organomegaly assessment

### **3. Small Parts Ultrasound**

- Thyroid and parathyroid glands
- Scrotum and testes
- Breast ultrasound
- Soft tissue swellings

### **4. Musculoskeletal (MSK) Ultrasound**

- Joints, tendons, ligaments, and muscle evaluation
- Detection of effusions, tears, and cysts

### **5. Vascular Ultrasound**

- Doppler Studies: Portal and hepatic Doppler
- Carotid and vertebral arteries
- Peripheral arterial and venous Doppler (for DVT, varicose veins)
- Renal artery Doppler

### **6. Pediatric Ultrasound**

- Neonatal cranial ultrasound
- Infantile hip ultrasound
- Pyloric stenosis screening
- Abdominal masses in children

### **7. Ultrasound-Guided Procedures**

- Aspiration and drainage
- Ultrasound guided FNAC or biopsy of superficial and deep lesions
- Catheter placements

### **8. Emergency Ultrasound**

- Focused Assessment with Sonography in Trauma (FAST)
- Point-of-care USG (POCUS) in ICUs and emergency settings

**HRCT ( Thorax , Temporal Bone,PNS)**

**MRI**

- **Portal and hepatic venous Doppler**

**6. Pediatric Ultrasound**

- **Neonatal cranial ultrasound**
- **Infantile hip ultrasound**
- **Pyloric stenosis screening**
- **Abdominal masses in children**

**7. Ultrasound-Guided Procedures**

**3 CT SERVICES**

- **CT Brain**
- **CT Paranasal Sinuses (PNS)**
- **CT Orbit**
- **CT Chest (HRCT)**
- **CT Abdomen**
- **CT Pelvis**
- **CT KUB (Kidneys, Ureters, Bladder)**
- **CT Spine (Cervical / Dorsal / Lumbar)**
- **CT Bones / Joints**
- **CT Temporal Bone**
- **CT Facial Bones**

### List of Publications and Research (Faculty wise)

Sr. No.	Publication	Indexing System
1	Oral presentation at in zonal conference : state conference : SONOBUZZ 2022 USG of brachial plexus National conference International conference	
2	Poster presentation : in Zonal/State/National/ International conference a. Eposter presentation at at Global radiology summit 2021 (uncommon site and presentation of common disease -TB) b. Poster presentation at CTBUZZ 2021 : interrupted aortic arch – rare case report	
3	Paper presentation- Ultrasound As An Efficient Modality In Primary Evaluation Of Solid Liver Mass - AFSUMB 2022	
4	Poster presentation - Lymphoma presenting as unilateral tonsillar enlargement- ISHNR 2022	

## Photo Gallery

