

## PCC 12

**COURSE NAME:** Diagnostic applications of CBCT – Hands-On Course

**COURSE FACULTY:** Dr Nandita Shenoy, Dr Nanditha Sujir,

**COURSE HIGHLIGHTS:**

Cone Beam Computed Tomography (CBCT) is a revolutionary imaging technology that has transformed the field of dentistry, radiology, and medical diagnostics.

The CBCT certificate course is designed to provide healthcare professionals, especially those in the dental and maxillofacial radiology fields, with comprehensive knowledge and hands-on training in CBCT technology, its applications, and interpretation.

**Course Objectives:** The primary objectives of a CBCT course are to equip participants with the necessary skills and knowledge to: **Understand CBCT Technology:** Gain a deep understanding of the underlying technology, including the principles of X-ray imaging, CBCT hardware and software, and radiation safety protocols. **Image Acquisition:** Learn the step-by-step process of acquiring high-quality CBCT images, including patient positioning, exposure factors, and image reconstruction techniques. **Anatomy and Pathology Recognition:** Develop the ability to recognize normal anatomical structures and common pathological conditions in CBCT images, particularly in the maxillofacial region.

**Image Interpretation:** Interpret and report on CBCT images accurately, including the identification of pathology, measurement of anatomical structures, and assessment of treatment planning suitability. **Clinical Applications:** Explore various clinical applications for CBCT technology, such as implantology, endodontics, orthodontics, periodontics, oral surgery, and TMJ analysis.

**Course Structure:** A typical CBCT certificate course is structured with didactic lectures, hands-on training, and case studies.

**COURSE DURATION:** 3 Hours

**MAXIMUM NO.OF PARTICIPANTS:** 30

**INSTRUCTIONS TO THE PARTICIPANTS:**

Kindly Get your laptop

**COURSE FEE:** Rs 1000

**INFRASTRUCTURE REQUIRED:**

Kindly find the laptop specifications as a part of the requirement for CBCT course.

1. Laptop with windows 7/8 Professional
2. RAM = 8 GB
3. Graphic card = 2 GB
4. Minimum – i5 processor

**COURSE COORDINATOR:** Dr. Shubam: 9611403280