

**RAGAS DENTAL COLLEGE – Dept of Oral Medicine radiology**  
**CBCT -TECHNOLOGY AND APPLICATION - AN INTERDISCIPLINARY APPROACH**

**5<sup>th</sup> JANUARY 2022- 25<sup>th</sup> MARCH 2022**

**PARTICIPANTS:**

**BDS (Third year, Final year, Interns), MDS (All students)**

**COURSE COORDINATORS-**

**PROF Dr. N. SANTANA. PROF Dr.B. VIKRAMAN**

**COURSE CODE: SRCC2022/03**

**DURATION: 30 HOURS**

**COURSE OVERVIEW:**

Advances in radio-diagnosis is an evolving field and one such advanced imaging in dental radiology is cone beam CT. It is important to understand the principles, indications, dose involved errors and a comparative evaluation with CT for the benefit of dentists. With the above-mentioned objective, a course on CBCT technology and application has been designed to educate and empower the participants.

**COURSE PLAN**

**Week 1: Basic principles of CBCT.**

**Week:2: Advantages of 3D imaging and limitations of 2D imaging.**

**Week:3: Comparison of CT with CBCT.**

**Week:4: Radiation dose in CBCT.**

**Week:5: Soft ware of CBCT and its applications.**

**Week:6: Third party software associated with CBCT.**

**Week:7: Artifacts and limitations in CBCT**

**Week:8: CBCT applications in implant dentistry.**

**Week :9: CBCT application in orthodontics.**

**Week 10: CBCT application oral and maxillofacial pathology.**

**Week 11: CBCT in other dental specialities.**

**Week 12: Advances in CBCT imaging**



**STAFFS INVOLVED**

**PROF Dr. MASILLAMANI**

**READER Dr. MALLAVIKA**

**LECTURER DR. VISHNUPRIYA**

**Final Assessment:**

**Weekly – Assignment;**

**Monthly- viva voce; End term: MCQ exam**