



**DEPARTMENT OF BIOMEDICAL ENGINEERING**  
**NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**  
*(Institute of National Importance)*

**G. E. Road, RAIPUR (Chhattisgarh) 492 010**

## **Details of Expert Lecture**

An invited Expert Lecture of Mr. Bodhisattva Sensarma, Senior Service Engineer, Siemens Healthineers was conducted by the Department of Biomedical Engineering as per the following schedule.

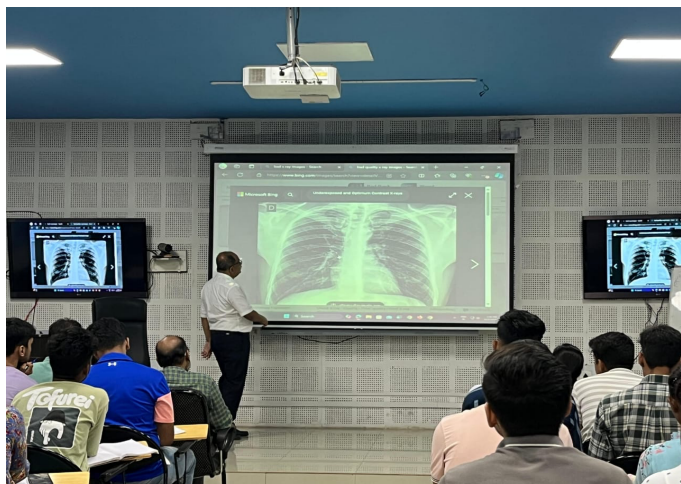
Topic of the Lecture: “Modern CT scanners - a long journey from fundamentals to features”

Date: 1<sup>st</sup> October (2024), Tuesday

Time: 2.00 PM onwards

Venue: D2, NIT Raipur

The lecture was structured with the basic concept of the Computerized Tomography (CT) scanners and its evolution. An entire chronology of different generation of CT are being presented with the specific changes from the industrial perspective and development. In addition, the students are also exposed to the basic mechanism and the physics behind the CT scanners and the extracted data from the tests. The fundamental features with a explanation of the different segments of CT machine are also provided. Finally, students are also provided with the information of present need from Siemens Healthineers in India from the upcoming batch of engineers. In addition, the future internships and perspective for placements are also being discussed and presented.



Dr. Mainak Basu  
IICC Departmental Coordinator  
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