



## B.M.S. College of Engineering, Bengaluru-19

(Autonomous Institute, Affiliated to VTU)

### Department of Medical Electronics Engineering

#### *Industrial Visit Report*



**Date of Visit: 29th April 2025**

**Time: 10:00 AM to 4:00 PM**

**Company Visited: Innvolution Image Technologies Private Limited**

The Department of Medical Electronics, B.M.S. College of Engineering, organized an industrial visit to Innvolution Image Technologies Private Limited on 29th April 2025. The visit was aimed at bridging the gap between academic learning and industry practices, particularly in the domain of medical imaging and healthcare technology.

#### **Company Overview**

Innovation Image Technologies Pvt. Ltd. is a pioneering company in the field of medical imaging solutions. It specializes in the development and deployment of advanced imaging systems such as PACS (Picture Archiving and Communication Systems), radiology workflow solutions, and teleradiology platforms. The company caters to hospitals, diagnostic centers, and healthcare institutions across India and abroad.

## **Objectives of the Visit**

- To gain exposure to the latest technologies in medical imaging and diagnostics.
- To understand the practical implementation of theoretical concepts studied in the curriculum.
- To interact with industry professionals and learn about real-time challenges in medical electronics.
- To observe the workflow of radiology software and imaging system integration.

## **Visit Details**

The visit began at 10:00 AM with a welcome address by the company's HR representative. This was followed by a presentation by the technical team introducing the company's history, core areas of operation, and technological innovations.

### **Key sessions included:**

**Demonstration of PACS and DICOM systems:** Students were introduced to how images from different modalities (CT, MRI, X-ray) are processed, archived, and transmitted.

**Insight into Teleradiology Platforms:** The team explained how remote diagnosis is enabled using their proprietary software.

**Software Development and QA:** Students observed how medical imaging software is developed, tested, and deployed.

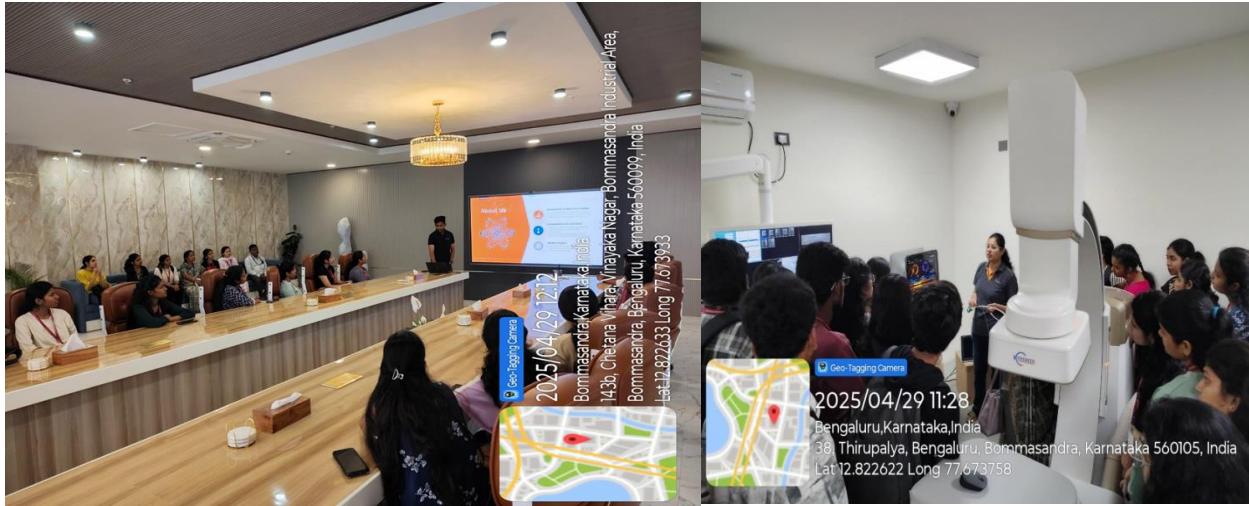
**Q&A Interaction:** Students actively interacted with engineers and developers, gaining insights into career paths and required skill sets.

## **Learning Outcomes**

- Understood the practical working of PACS and imaging informatics.
- Gained awareness of the role of hardware and software in medical electronics.
- Appreciated the importance of standards like DICOM and HL7 in healthcare communication.
- Recognized the interdisciplinary nature of medical technology involving electronics, software, and biomedical sciences.

## **Conclusion**

The industrial visit to Innovation Image Technologies Pvt. Ltd. was a highly enriching experience for the students of Medical Electronics. It provided valuable insights into industry practices and real-world applications of classroom knowledge. The department extends its sincere thanks to the management and staff of Innovation Image Technologies for their hospitality and knowledge-sharing.



Signature of Coordinators

Signature of HOD