



**SRM Institute of Science and Technology,
Tiruchirappalli Campus**

College of Allied Health Sciences

Report on Career Guidance Session for Medical Imaging Technology Students

Event Date: March 28, 2025

Duration: 2 Hours

Location: Seminar Hall – 101, First Floor, IST Block

Presenter: Mr. Ajith Subramanian, Ultrasound Application Manager, South India –
Mindray Healthcare, Chennai

Target Audience: UG & PG - Medical Imaging Technology Students

Overview of the Session

The Career Guidance Session for Medical Imaging Technology students provided valuable insights into the various opportunities, career paths, and advancements in the field of medical imaging. The session aimed to equip students with the knowledge needed to navigate their career choices and make informed decisions about their educational and professional paths.

Key Topics Covered

- **Introduction to Medical Imaging Technology:** The session kicked off with an overview of medical imaging, including its role in diagnosing and treating diseases using non-invasive imaging techniques. Key types of medical imaging discussed were X-ray, CT, MRI, Ultrasound, and Nuclear Medicine.
- **Educational Pathways:** Attendees were provided with details about undergraduate and postgraduate programs, including the necessary certifications and licenses required to practice in the field. Special emphasis was placed on the growing importance of obtaining specialized certifications (e.g., MRI, nuclear medicine).
- **Core Skills for Success:** The session highlighted essential skills for medical imaging professionals, such as technical proficiency with imaging equipment, attention to detail, patient care, and communication skills. These skills are necessary for ensuring accurate diagnoses and delivering effective patient care.
- **Career Opportunities:** Different career roles within medical imaging were discussed, including:
 - Radiologic Technologist
 - Application Specialist
 - Radiation Safety OfficerSpecialized roles like those in research, teaching, and equipment sales were also mentioned.
- **Emerging Trends in the Industry:** The speaker explored the latest trends transforming the field, such as Artificial Intelligence (AI) in image analysis, 3D imaging technologies, and the increasing role of telemedicine in providing remote diagnostics.

Industry Outlook and Future Opportunities

- **Technological Advancements:**

The integration of AI into medical imaging technologies was identified as a key growth area. AI is enhancing diagnostic accuracy, automating routine tasks, and aiding radiologists in complex image interpretations.

- **Job Market Trends:**

The demand for medical imaging professionals is expected to rise, especially for roles like MRI Technologists and Nuclear Medicine Technologists, driven by advances in imaging technology and an aging population.

Challenges Discussed

- **Keeping Up with Technology:**

As imaging technologies evolve rapidly, professionals must continually upgrade their skills and certifications.

- **Work Environment:**

Participants were informed about the challenges of shift work, long hours, and the physical demands of operating heavy equipment.

Q&A Session

The session concluded with a Q&A segment, during which students posed questions about:

- The best certification programs for advancing in the medical imaging field.
- How to secure internships and early career experience?
- Opportunities for specialization in advanced imaging techniques like MRI and CT.

Conclusion

The Career Guidance Session provided students with a comprehensive understanding of the medical imaging profession. The presenter encouraged students to actively pursue internships, stay updated on technological advancements, and consider further specializations to enhance career prospects.

Action Items for Students:

- Explore and apply for internships in medical imaging facilities.
- Research certification and licensing requirements based on region.
- Stay informed about the latest advancements in AI, 3D imaging, and telemedicine.



