

# Executive PG Program in Medical Technology

Skill-Lync collaborates with Andhra Pradesh MedTech Zone (AMTZ) to bring you a 12-month program on Medical Technology, including a 6-month stint at AMTZ's 270-acre campus in Vizag.

Skill Lync - AMTZ in partnership with



## Program Benefits

The program introduces students to the fundamentals of Medical Devices with the option to specialize in multiple areas such as Radiology, Imaging and Optics, Electronics, Implants etc. Students will have the exclusive opportunity to interact with and learn from scientists and industry experts as part of the 6-month stint at AMTZ. The learning experience will be enhanced through hands-on learning in areas such as but not limited to product design, development and manufacturing in the world-class scientific facilities of AMTZ and an internship at a biomedical company.

AMTZ, where students shall undergo training, has Talent Partnerships with 20+ Medical Device Manufacturers.










## Course Structure



## Eligible Candidates

B.E. / B.Tech graduates of Class of 2022 or earlier. Eligible branches are specific to each specialization as shared in the next page.

## Fundamental Courses

 Anatomy & Physiology	 Medical Informatics
 Medical Instrumentation and Biomedical Signals	 Manufacturing
 Product Design & Development	 Regulatory Processes for Medical Device
 Biomaterials	 Standards, Certifications, & Accreditations
 IoT in Healthcare	

## Students can pick one of 3 Specializations offered

FOCUS AREAS	Imaging & Radiology	Electronics & Instrumentation	Product Design & Development
	Introduction to C++ & Python	Embedded C Programming	Design for Manufacturability
	Radiology	Medical Embedded Systems	Design of Hospital Furniture
	Imaging & Optics	Electronics System Design	Assistive Technologies
	Medical Image Processing	Advance Instrumentation & Signal Processing	Implants
ELIGIBLE DEGREES	Rendering & Visualization	Assistive Technologies	In-Vitro Diagnostic Devices
B.E./B.Tech	EEE, ECE, EIE, Biomedical, Biotechnology, CSE, IT	EEE, ECE, EIE, Biomedical, Biotechnology, CSE, IT	Mechanical, Biomedical, Biotechnology
B.Sc./M.Sc.	Physics, Electronics, Math, CS, IT	Physics, Electronics	NA
Medicine	MBBS	MBBS	MBBS
Hospital Management	After completing one of above B.E./B.Tech/B.Sc./M.Sc. Degrees	After completing one of above B.E./B.Tech/B.Sc./M.Sc. Degrees	NA

## Program Duration & Delivery

- ◆ 12 Month program including 6 months on-the-job training at AMTZ
- ◆ Course videos with one-on-one Technical Tutoring
- ◆ Hands-on industry projects
- ◆ Live interactions with scientists & industry experts at AMTZ
- ◆ Career Services & Placement Opportunities

## Training at AMTZ Campus

- ◆ Experiential learning at AMTZ’s scientific facilities
- ◆ Internship at a Medical Device Manufacturing Unit in AMTZ Campus
- ◆ Mentor from internship company, overseeing on-the-job training
- ◆ Boarding facility during on-the-job training at AMTZ (at additional cost)

## Job Opportunities

### Imaging & Radiology

CT/MRI Sales Engineer, CT/MRI Service Engineer, Ultrasound Engineer, Endoscopy Specialist, Medical Lasers Specialist, Algorithm Developer, Imaging Analyst, Application Developer, Imaging Scientist, R&D Engineer, Medical Resident – Clinical Trials

### Electronics & Instrumentation

Instrumentation Engineer, System Design Engineer, Embedded Test Architect, Embedded Medical Developer, Embedded Systems Specialist, Technical Lead-Medical Embedded Systems, Medical Coding Specialist, Lab on Chip Specialist

### Product Design & Development

Quality Assurance (QA) Analyst/Engineer, Quality Control (QC) Analyst/Engineer, Manufacturing, Field Engineering Specialist, Research and Development (R&D) Design, Testing & Validation Engineer, Medical Device Regulatory Manager, Project Scientific Officer, Production Engineer, Biomaterials Specialist

## About Skill-Lync

Skill-Lync is a Y-Combinator backed e-learning platform that focuses on project based learning for advanced engineering courses. Our vision is to bridge the gap between industry and academia by equipping our students with the latest industry relevant skills and making them industry ready! Skill-Lync focusses on a project driven learning where students learn to work on industry projects using the latest tools and softwares used in the industry.

## About AMTZ

Andhra Pradesh MedTech Zone Limited (popularly known as AMTZ) is an enterprise under the Government of Andhra Pradesh dedicated for Medical Device Manufacturing.

AMTZ works with an objective to reduce the cost of manufacturing up to 40%, to simplify the end-to-end operations, and also to reduce import dependency, which is presently around 75%.

AMTZ envisions to put India on the global map of high-end medical equipment production and make health care products affordable and accessible for the world.

## Contact Details


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 Skill-Lync

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## Registration Form

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