

TRAIN TRANSFORM LEAD

TIKS.



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Bridging Education with Industry Excellence



TIKS

Train | Transform | Lead

www.tiksinstitute.com

About Us

TIKS is a professional training institute dedicated to bridging the gap between academic learning and industry requirements. We focus on practical, job-oriented programs in Piping Design Engineering and Software Training to equip mechanical engineers and diploma holders with real project skills. Our mission is to create technically competent professionals ready for global opportunities in the oil, gas, and petrochemical sectors



Courses Offered

1. Piping Design Engineering

The Piping Design Engineering course at TIKS is designed for mechanical engineers and diploma holders who wish to build a strong career in the Oil & Gas, Petrochemical and Process industries.

The training focuses on developing a clear understanding of piping layouts, plant design principles, international codes and standards, and real project practices. Students will learn to read and interpret P&IDs, equipment layouts, and isometric drawings, and gain practical knowledge of how piping systems are designed and integrated within industrial facilities. By the end of the program, participants will be equipped to work confidently as Piping Design Engineers or Designers in engineering design offices and EPC companies.

2. Software Training

Our training modules are designed to bridge the gap between academic knowledge and industry expectations. Students are trained on the most in-demand software tools used in global design offices and EPC companies:



AutoCAD – 2D Drafting and Piping Layouts



AutoCAD Plant 3D – 3D Modeling of Piping Systems and Equipment



AVEVA E3D – Advanced 3D Plant Design and Coordination



CAESAR II – Piping Stress Analysis and Flexibility Evaluation

Intergraph Smart 3D (SP3D) – Intelligent Plant Design and Modeling

Key Highlights:

- Hands-on practical sessions using industry projects
- Exposure to project data management and drawing generation
- Step-by-step guidance on 3D modeling and design workflows
- Training aligned with EPC project execution standards

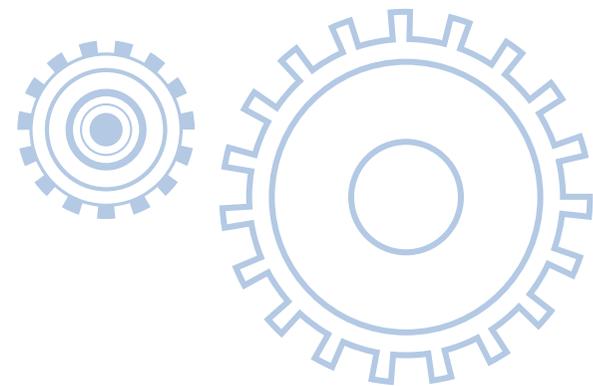
KEY BENEFITS OF THE PIPING DESIGN ENGINEERING COURSE

➤ High Global Demand

Piping Design Engineers are essential for all process-based industries — from Oil & Gas refineries in the Middle East to power plants in Asia and manufacturing facilities worldwide. Companies continuously require professionals who can design and manage complex piping systems with precision and safety.

➤ Career Opportunities Across Multiple Sectors

- Oil & Gas Exploration and Refining
- Petrochemical and Chemical Plants
- Power Generation (Thermal, Nuclear, Renewable)
- Water Treatment and Desalination Plants
- Pharmaceutical and Food Process Industries
- EPC (Engineering, Procurement & Construction) Companies



➤ High Employability in EPC And Design Companies

Major global EPC and engineering consultancies consistently seek skilled piping professionals. TIKS training aligns with the standards and workflows used in these companies, ensuring students are job-ready.

➤ Opportunities for Global Mobility

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Eligibility

B.Tech / BE in Mechanical Engineering

Diploma in Mechanical Engineering

Key Highlights

- ◉ Experienced Industry Professionals as Faculty
- ◉ Practical and Project-Based Learning
- ◉ Placement Support & Career Guidance
- ◉ Modern Lab Facilities
- ◉ Flexible Batch Timings



Placement Assistance & Career Support

TIKS offers dedicated placement assistance to help students step confidently into the engineering industry. We provide professional resume preparation, mock interviews, and job interview coordination with reputed companies. Our team also conducts career development workshops focused on communication, teamwork, and professional conduct to ensure students are ready for the competitive job market.