

Enrich your
career through
world class
learning





DIPLOMA IN OIL & GAS PIPING AND INDUSTRIAL ENGINEERING

Diploma in Oil & Gas Piping and Industrial Engineering Program is offered to freshers who wish to start their career as piping engineer, drafting engineer, draftsman (mechanical/civil) designer or piping inspector in oil, gas, chemical, petro chemical / refineries / energy & power sector.

Diploma in Oil & Gas Piping and Industrial Engineering is job oriented EPC training program with internship and Industrial Training in public sector companies or reputed core sector university. After completion of training, candidate can start their career as piping draftsman, mechanical drafting engineer, drafting engineer or piping design engineer

COURSE DETAILS		
Course Duration	:	One Year (Two Semester)
Mode of the Course	:	Regular Course Only
Eligibility	:	ITI / ITC, VHSE, PLUS TWO or Any Degree
Timings	:	4 Hrs X 5 days in a Week
Accomodation Facility	:	Paid Accommodations and Homely Food Available

SOFTWARES USED		
AutoCAD	:	Drawing Creation (P&ID, PFD, Layouts, and all Fabrication Drawings)
Aveva PDMS	:	Plant Design Management System for Modelling and Designing
Tekla Structures	:	Structural Modelling & Detailing
Microstation	:	Drawing Creation (P&ID, PFD, Layouts, and all Fabrication Drawings)

CERTIFICATION		
Diploma Certificate	:	Govt of INDIA Technical Education Department
AutoCAD	:	Autodesk India
Aveva PDMS	:	AVEVA Information Technologies Pvt Ltd
Tekla Structures	:	Trimble India Pvt. Ltd.
Microstation	:	Authorized Training Certificate

HOW STUDENTS BENEFIT FROM OUR COURSE?

Students who wish to pursue higher education in Oil & Gas / Process industry can also benefit from this course. ASTS courses impart to the students in depth knowledge and understanding of the industry and assist them to build a bright career. ASTS follows a quality management system that meets the requirements of ISO 9001:2008. Courses at ASTS are dealt by ASTS chartered and professional engineers, who adhere to strict training standards ensuring top quality content and delivery every time.

The syllabus is chartered by ASTS Technical Division and experts in the engineering industry who prepare and present our courses following AVEVA, Autodesk & TEKLA's strict industrial training standards. ASTS Institution and courses are monitored and approved by the Central Govt. Agency named STED COUNCIL (Scientific and Technical Education Development Authority), which provides course certificates as per the rules and regulations from Government of India

CAREER OPPORTUNITIES

- Oil & Gas Sector • Epc Sector • Energy & Power Sector
- Environmental Waste Disposal • Water Treatment Facilities
- Food & Beverage • Energy Consultancy • Fertilizer Plant
- Chemical & Petro Chemical Plant • Infrastructure Sector

WHY CHOOSE ASTS TECHNICAL DIVISION ?

- 100 % focused on the industry based program.
- Designed for both fresh engineers and working professionals to attain growth in oil and energy industry
- Get access to industry experts for technical advice and more.
- Guided by the industry's renowned professional with unprecedented knowledge of the Oil & Gas Process Industry
- Getting trouble shooting support during work time
- Providing all training material and technical drawing, documents and case study materials.
- You can visit any time our technical support club on ad one basis, in some case this is chargeable
- You can attend technical discussion forums free of cost
- Interactive, interesting and motivational training sessions
- Free updates on technical increments as newsletter in Oil & Gas Sector
- Attend industry events, organized by us and our partners
- Expert and Experienced Faculty from the Industry. (5-30 years exp.)



AUTHORISED
TRAINING PARTNER



COURSE SPECIALITIES



Internship in a Reputed Core Sector University/Govt. of India Organisations



Live Projects in Project Division



Industrial/Plant visit



Govt of India Certifications



Certificates can be used for Embassy Attestation



Internship Certificates from Reputed Core Sector University/ Govt. of India Organisations



Personality and career guidance classes added in the curriculum



AVEVA PDMS Certificates from AVEVA Information Technologies Pvt. Ltd.



Autocad Certificate from Autodesk India



100% Placement Support

AFFILIATED AND ACCREDITED BY



International Accreditation Forum



Tekla Centre of Excellence



Scientific and Technical Education Development Council



American Society for Mechanical Engineers



Society of Piping Engineers and Designers



United Kingdom Accreditation Service



International Institute of Piping Engineering & Design



International Organization for Standardization



American Society for Nondestructive Testing



Energy Institute



The Society of Petroleum Engineers



Indian School of Petroleum & Energy

SYLLABUS - DIPLOMA IN OIL & GAS PIPING & INDUSTRIAL ENGINEERING

SEMESTER – I	<div>MODULE - I</div> <div><ul style="list-style-type: none">• Introduction to Oil and Gas sector • Fundamentals of Piping Industry • Fundamentals of Engineering Graphics<ul style="list-style-type: none">• Computer Aided Engineering Graphics • Basic Mathematics and Applications• Basic Engineering theory • Units and Conversions • Basics of Welding • Welding Methods and Specifications<ul style="list-style-type: none">• Welding and Symbolic Representations</div>
	<div>MODULE - 2</div> <div><ul style="list-style-type: none">• Piping Engineering Basics • Piping Materials • Specifications • Pipe Components, Fittings, Flanges, Valves• Piping Codes and Standards • Calculation of Standards Properties • Wall Thickness and other Calculations<ul style="list-style-type: none">• Mechanical Equipments (Static & Rotary)</div>
SEMESTER – II	<div>MODULE - 3</div> <div><ul style="list-style-type: none">• Flow Diagrams (P & ID, PFD) • Piping Drawing Basics • General Arrangement Drawings,• Piping and Equipment Layout • Fabrication & Erection Drawings • Pipe Isometric Drawings<ul style="list-style-type: none">• Pipe Supports</div>
	<div>MODULE - 4</div> <div><ul style="list-style-type: none">• Structural Engineering Basics • Steel Detailing Principles • Beam and Columns• Joint Detailing • Design of Process Piping Requirements per ASME B31.3 • Pipe Design Calculations-Material, Size & Wall Thickness • Protection of Pipe and Insulations • QA QC • Non Destructive Testing (NDT)</div>
	<div>MODULE - 5</div> <div><ul style="list-style-type: none">• Site Visit • Industrial Training • Project • Seminar • Personality Development Programs</div>
NOTE :	<div>Training materials will be provided by ASTS TECHNICAL DIVISION</div> <div>For admission procedure and course details, read ASTS rules and regulations carefully</div>

ASSOCIATED PARTNERS



TECHNICAL TRAINING DIVISIONS

BANGALORE: 2nd Floor, Sri Sai Arcade 12th Cross,
8th Main, Wilson Garden, Bangalore - 560 027, Karnataka, India.
Tel : +91 080 6564 0001, +91 9986 400 210

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Tel: +91 484 600 3210 / 4210, +91 9020 210 210

PROJECT DIVISION

CHENNAI: RMZ Millenia Business Park, Phase-2, Level-6
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ADMINISTRATIVE CELL

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