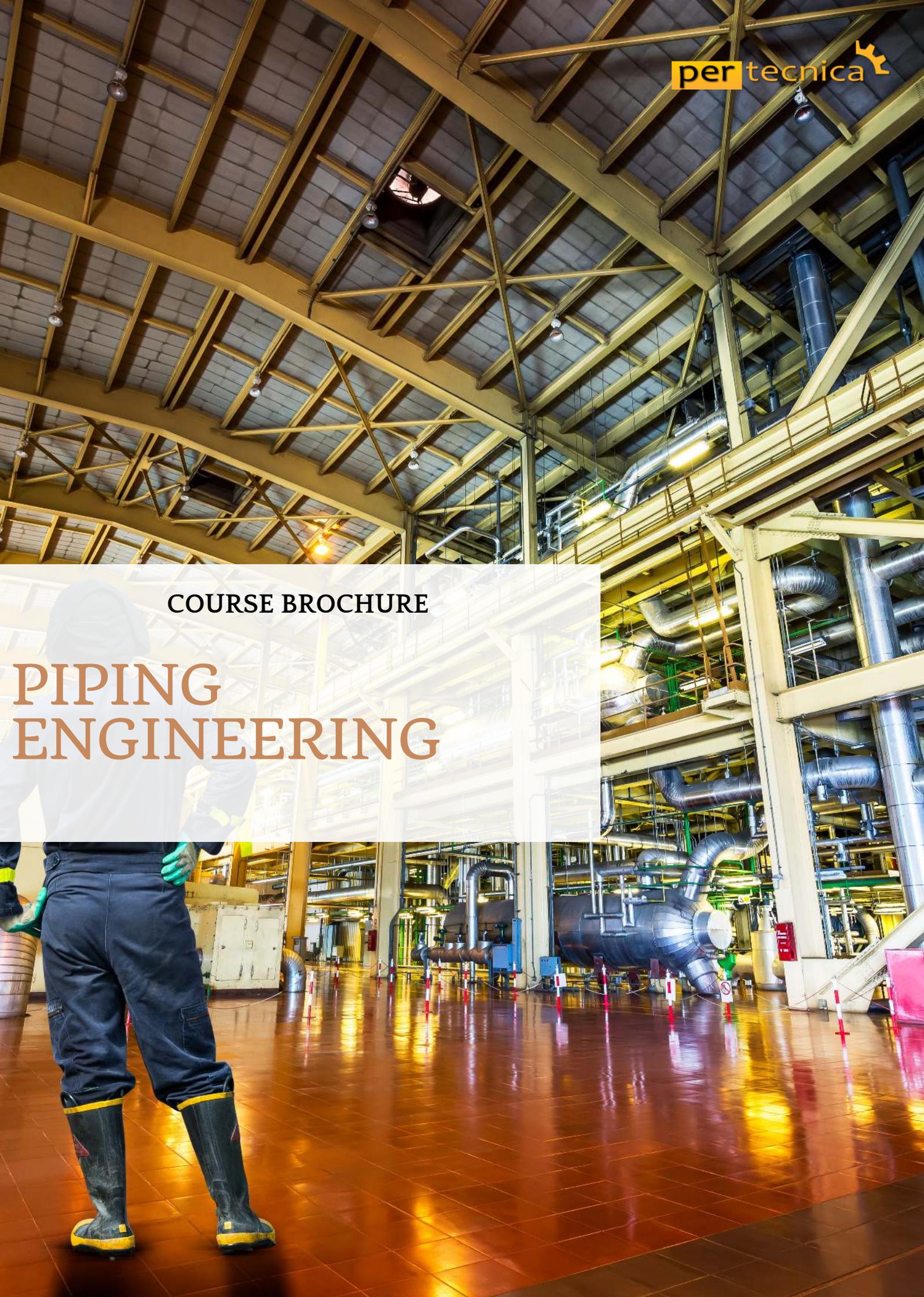


COURSE BROCHURE

PIPING ENGINEERING

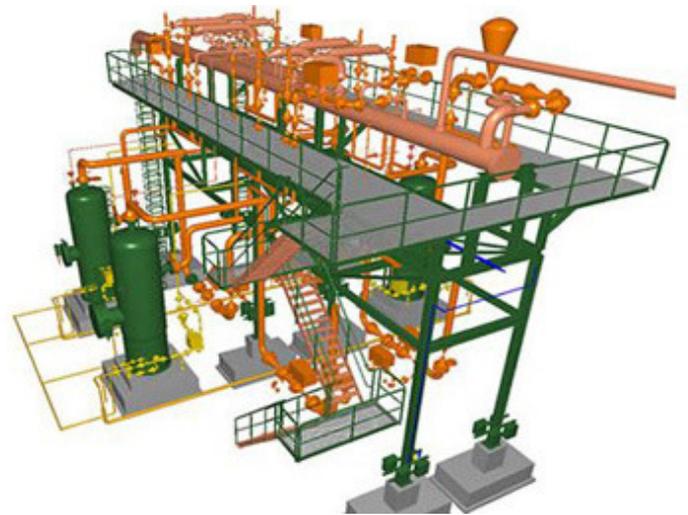


PERTECNICA ENGINEERING



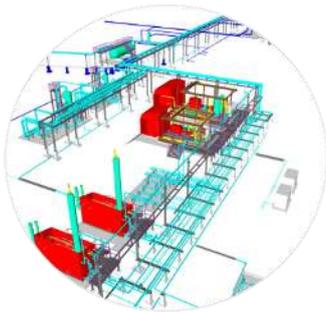
ABOUT THE COURSE

Pertecnica Engineering brings world class piping course for graduate and diploma engineers. Our training on piping explores the qualitative details, techniques with underlying principles in design, materials selection, surveys, construction, commission, inspection, testing, operation and maintenance, reliability, failures and safety as per Standards.



This Pipeline engineering certification program designed as per the international standards to qualify for the jobs in Oil & Gas industries, Process plants, Power plants and Long distance pipeline Constructions projects.

Our Training covers the following Technical skills



DESIGN & ENGINEERING

- Design considerations
- Selection of piping material
- Pipe fittings, supports and valves
- ASME, API, ASTM... standards & codes
- Instrumentation, PLC & SCADA
- Review of P&ID
- Drafting of Pipelines
- Piping layout for Pumps, Exchangers, Vessels



PROCUREMENT AND FABRICATION

- Quality Assurance & Quality Control
- Line pipe Inspection, Equipment inspection
- Fabrication & Erection of Piping
- Vendor Identification & Selection
- Non-Destructive Testing (NDT)
- Health, Safety and Environment (HSE)



CONSTRUCTION

- Pipeline route selection, Liaison, Approvals
- Site survey, Soil testing.
- Trenching, Crossings, Bending
- Construction methodology
- Pipeline Inspection
- Testing
- BOQ, Estimation & Costing
- Project Planning, Scheduling



OPERATIONS & MAINTENANCE

- Pipeline Integrity management
- Pipeline Risk Assessment
- Maintenance Engineering
- Fitness- For -Purpose Assessment
- Damage /Accident Investigation
- Pigging
- Leak Detection
- Metering
- Pumping station
- Compressor station

Duration & Course fee

This is Three (3) months' program with live case studies and project work.

Eligibility: **BE / B Tech**, Course fee:- **Rs. 35,000/-**

LIVE PROJECTS AND CASE STUDIES

LIST OF LIVE PROJECTS & CASE STUDIES

- Liquid Petroleum Gas construction Project
- Steel pipeline construction project (8")
- Bitumen Transfer pipeline project
- HDPE Pipeline Project-Natural Gas
- Petro-chemical product pipelines
- Petrol, Diesel & Kerosene Pipelines
- City Gas Distribution Project
- Crude oil pipeline Project
- Pipelines for Refinery & Fertilizers
- Marine Pipelines
- Water supply project

LIST OF ELIGIBLE JOBS

- Piping Engineer
- Piping Material Engineer
- Piping Design Engineer
- Piping Area Engineer
- Piping Stress Engineer
- Lead Piping Designer
- Procurement
- Layout & piping engineer
- Draftsman

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