



IATE

INTERNATIONAL ACADEMY OF TECHNICAL EDUCATION

PIPING DESIGN, ENGINEERING & CONSTRUCTION



PIPING DRAFTSMAN



FIRE & SAFETY MANAGEMENT



WATER & WASTEWATER TREATMENT



AN INDUSTRY ORIENTED AUTONOMOUS COURSES

About IATE

International Academy of Technical Educational (IATE) was founded with the collective efforts of many devoted experts having long and outstanding academic experience in the field of professional education. The social and political figures, who are all committed to professional education facilities, in order to train deserving young men and women, whom have an ambition to pursue higher studies in engineering and are desirous of acquiring skills and to make available the much needed expert personnel and skilled manpower to the fast growing industries and institution in the field of various branches of engineering.

IATE, Pune is the first institute in India to commence technical course to meet the global challenges in various technical & managerial activities since 2009. IATE has proven its expertise in skill development program for Fire & Safety, Piping Design, Process Design, Rigging Technology and Water Treatment. Today this industry accepted course become pioneer in education and training in all aspects of design and stands to meet their needs. The courses are framed and modeled by eminent expert from different engineering streams. The faculties consists of individual with vast expertise in well-known organization and specialization in particular subject.

IATE, Professional Training Division

In Organization development, the related field of training and development (T&D) deals with the management, design and delivery of learning to improve performance within organizations. After hiring the employees by an organization, next step is determining the need of training and development for them. It is obvious that some new employees are not experienced to their work so they need special training to perform effectively and efficiently.

Different organizations held different training and development programs according to their available resources and requirements. On the other hand, the important aspect of training and development programs is that it helps to avoid the managerial obsolescence.

Organizational problems either major or minor can be solved of by these programs. These programs also play an important role in managing the changes in organizational structure caused by mergers, acquisitions, rapid growth, downsizing and outsourcing.

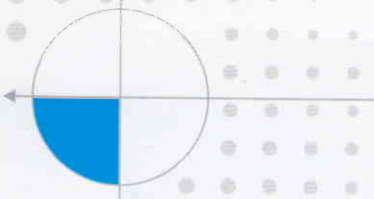
Training and development programs are also important to cope up with the changes in technology and with diversity within the organization. Today because of number of changes in technological fields, these programs are increasingly emphasizing on converting the organization to learning organizations and human performance management.

Mission

- To develop dynamic professionals through technically competitive educational atmosphere.
- Departing education of global standard.
- To develop unique quality network of prominent educationists and professionals from part of present industry, society, government & other sectors of advanced education.

Our Vision

- Select needy unskilled, semiskilled, quality participants and train them to make perfect candidate to fit & suit into deserved slot across the industrial & corporate spectrum.
- Assist participants for placement in industry & corporate sector.
- Providing customized value added services & tailor made training program as per needs of Corporate & Industrial Sector.
- Focus on new developments along with modern & cutting edge technology in education field which is fruitful to industries.
- Make the organization success to grow up globally.



Features

Salient features about the Courses:

- 100% Industry oriented program
- All eminent Faculties from Industry to conduct session.
- Placement Assistance.
- More emphasis on Practical oriented program.
- Class rooms with Modern facilities, Library & Laboratory along with internet access.
- Live case study & Project activity.
- Industrial Plant/Workshop visit.
- Communication & PD Skill.

IATE Offers Courses in:

Course Name

- Advance Diploma in Piping Design, Engineering & Construction
- Advance Diploma in Process Engineering & Simulation
- Advance Diploma in Water & Wastewater Treatment
- Diploma in Fire & Safety Management
- Diploma in Piping Draftsman
- Diploma in Rigging Technology

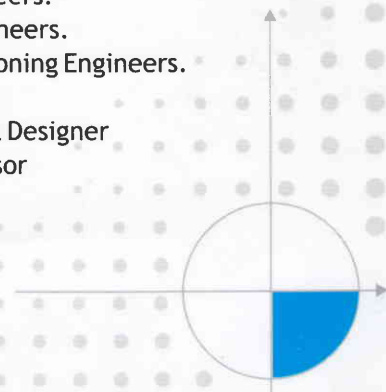
Job Opportunity

- Consulting Engineers
- Pharmaceutical Industry
- Refineries
- EPC Organization
- Chemical Process Industry
- Modeling Firms
- Inspection & Third Party Review
- Cross Country LNG/LPG/CNG Piping System
- Packaging Contractor
- Irrigation Project
- **Specialization in -**
- Hydro Power Plant
- Co-generation Power Plant
- Natural Power & Resources Plant
- Atomic Power Plant
- Marine Engineering
- Launch Pad (Satellites & Military)

Manpower Services

We are providing trained manpower to the industry on monthly/ hourly basis; we give full support to the manpower and management services to the industry. The trained manpower will be specialized to take care of the following areas like:

- Fire Operation and Maintenance of Fire Tender.
- Maintenance of the Fire Piping Network.
- Operation & Maintenance of Fire equipment's & Instruments,
- Piping Design Engineers.
- Process Design Engineers.
- Testing & Commissioning Engineers.
- Piping Draftsman
- 2D / 3D Piping Model Designer
- HSE / ESMP Supervisor
- Riggers



PIPING DESIGN, ENGINEERING & CONSTRUCTION

Brief Outline:

This course is recommended for participants aspiring to make their careers with Engineering Consultants, Fabrication Companies, EPC Contractors, and Project Engineering Companies.

Applicability:

This course is designed to be useful in the following engineering domains:

- Chemical Process Plant
- Power Stations
- Refineries
- Petro-Chemical Plants
- Cross-Country Piping(Oil & Gas sector)

Batches & Duration:

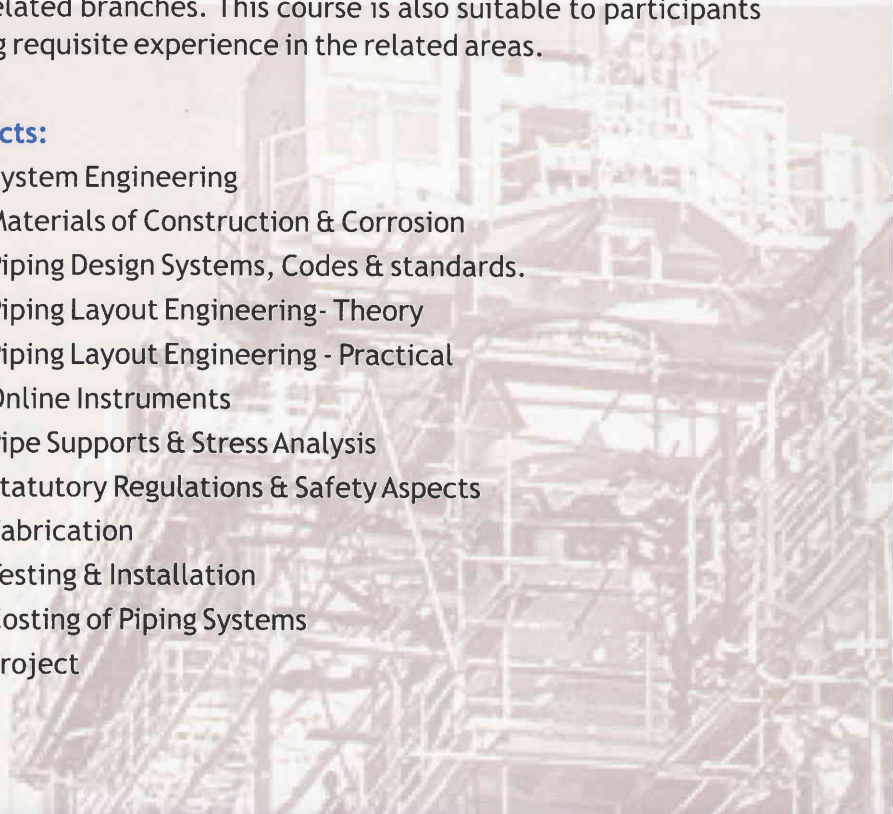
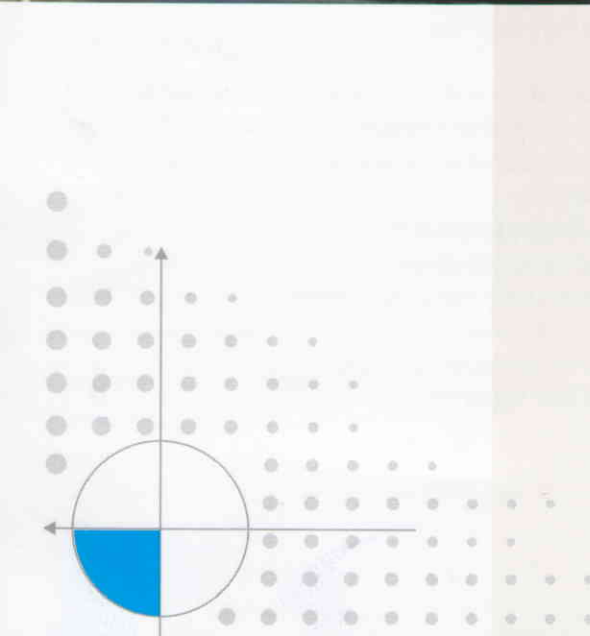
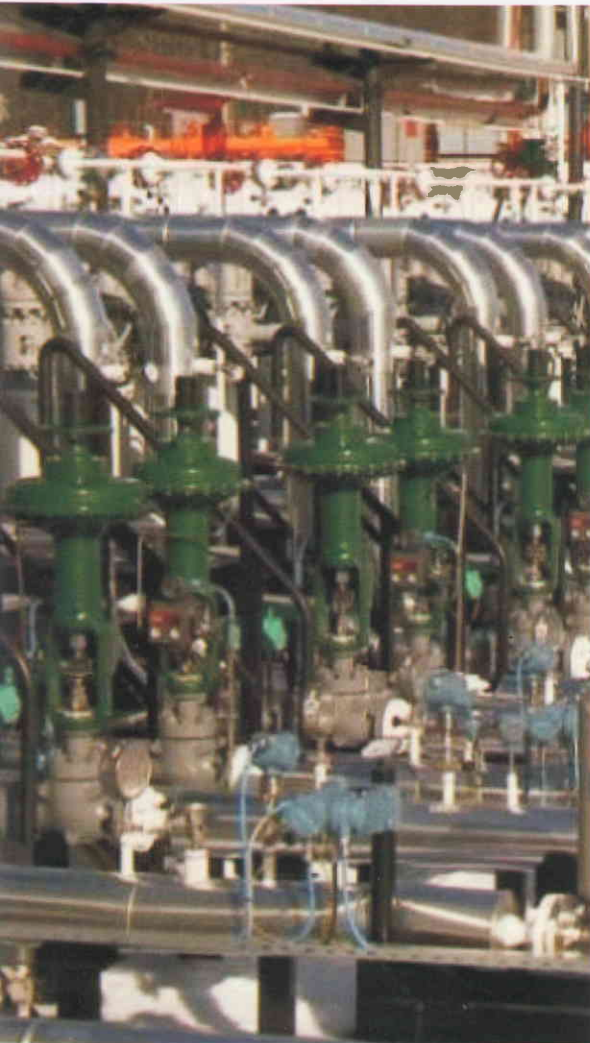
- Full-time Batch - 3 Months

Eligibility:

Participants having degree / diploma in Chemical, Mechanical and related branches. This course is also suitable to participants having requisite experience in the related areas.

Subjects:

- System Engineering
- Materials of Construction & Corrosion
- Piping Design Systems, Codes & standards.
- Piping Layout Engineering- Theory
- Piping Layout Engineering - Practical
- Online Instruments
- Pipe Supports & Stress Analysis
- Statutory Regulations & Safety Aspects
- Fabrication
- Testing & Installation
- Costing of Piping Systems
- Project



WATER & WASTEWATER TREATMENT

Brief Outline:

This course is designed to give complete overview of Water Treatment from three aspects:

- Process
- Mechanical Equipment Design Outline
- Electrical & Instrumentation related to Water & Wastewater Treatment / Effluent Treatment Plants

Batches & Duration:

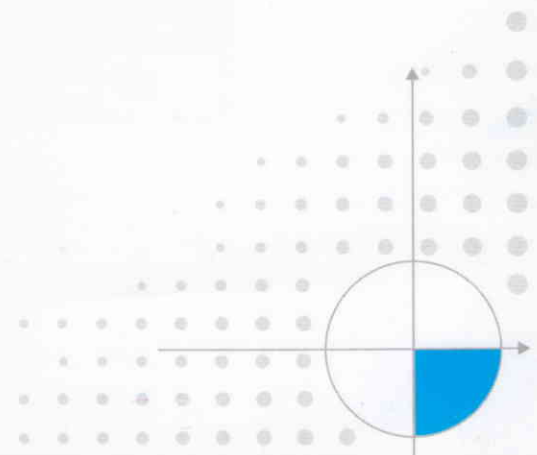
- Full-time Batch - 3 Months

Eligibility:

Participants having degree/diploma in Chemical, Mechanical, Civil, Instrumentation OR M.Sc. (Environment) / B.Sc. (Chemistry). This course is also suitable to participants having requisite experience in the related areas.

Subjects:

- Water Chemistry
- Basic System Design
- Wastewater Treatment Process
- Unit Operation
- Water Treatment Process
- Process Equipment Design
- Unit Processes
- Project Electrical & Instrumentation Control
- Basics of Civil Engineering
- Mechanical System Design



PIPING DRAFTSMAN

Brief Outline:

This course is recommended for participants aspiring to make their careers with Engineering Consultants, Fabrication Companies, EPC Contractors, and Project Engineering Companies.

Applicability:

This course is designed to be useful in the following engineering domains:

- Consulting Engineers.
- Modeling Firms
- EPC organisations

Batches & Duration:

Full-time Batch - 2 Months

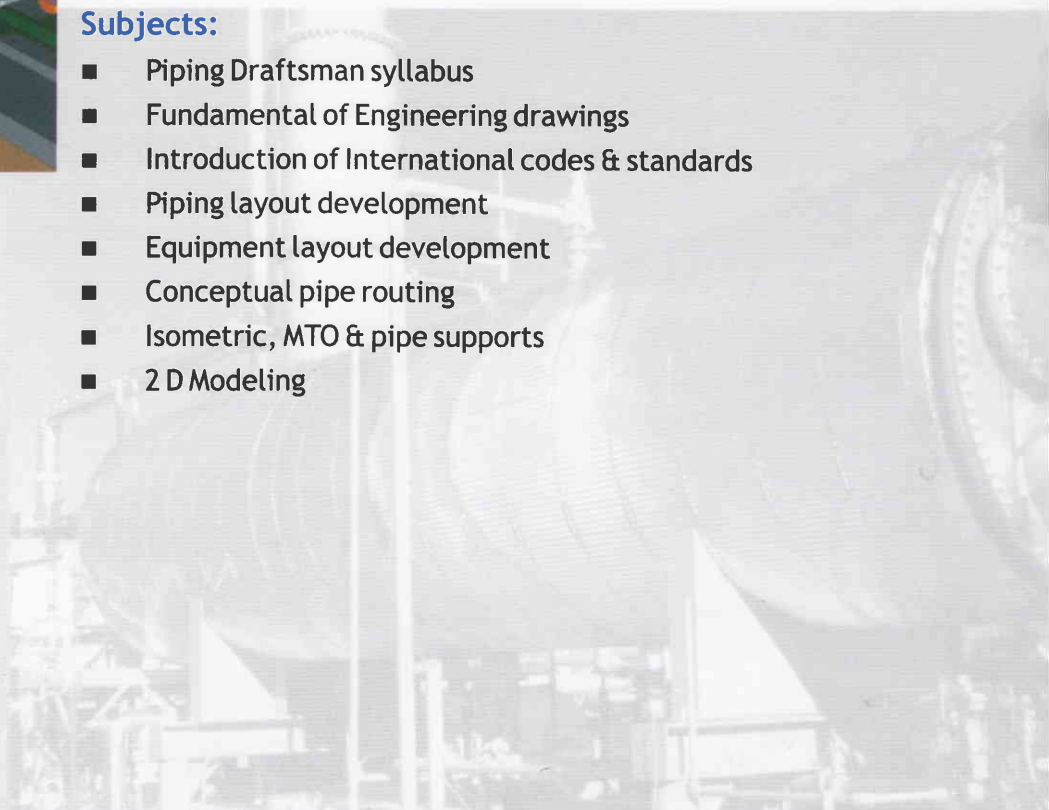
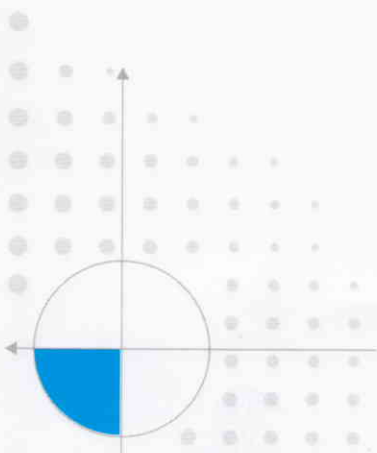
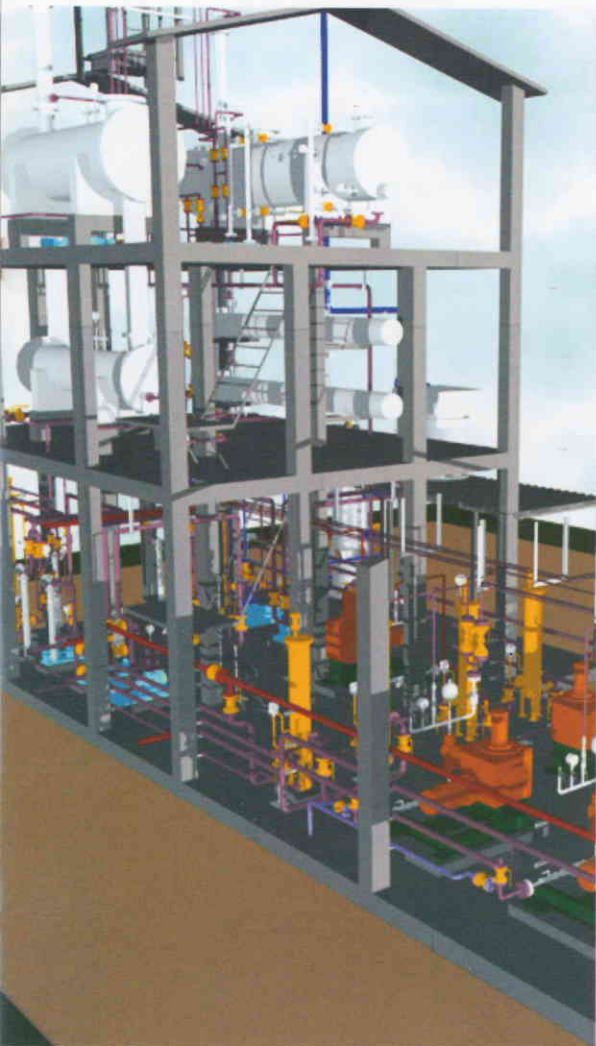
Part-time Batch - 4 Months

Eligibility:

Participants having ITI, 12th pass & above and related branches

Subjects:

- Piping Draftsman syllabus
- Fundamental of Engineering drawings
- Introduction of International codes & standards
- Piping layout development
- Equipment layout development
- Conceptual pipe routing
- Isometric, MTO & pipe supports
- 2 D Modeling



FIRE & SAFETY MANAGEMENT

Brief Outline:

The course is recommended and will be useful for professional/engineers already working with EPC contractors, consultants, project management agencies and also for those opting for construction career. The course covers activities ranging over all disciplines. This course includes overall fire & safety management at sites for chemical plants, engineering industries, other manufacturing industries, cross-country pipeline projects, commercial / residential complexes, infrastructure projects, technology & software parks, etc.



Batches & Duration:

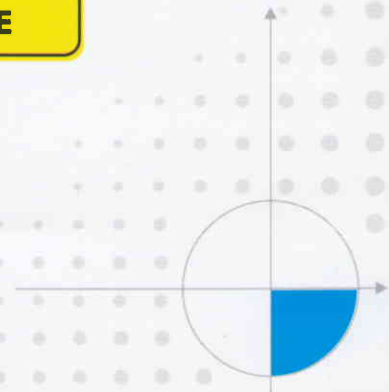
- Full-time Batch - 3 Months

Eligibility:

Fresh or experienced any degree / diploma holders.

Subjects:

- Fire Engineering Sciences
- Fire Prevention & Protection
- Fire Extinction Science
- Fire Services Administration
- Safety Management
- Construction Safety
- Safety Rules & Regulation
- Industrial Hygiene & Occupational Health
- Practical -1 : Fire Fighting Drill
- Practical -2 : Field Training
- Project Work
- Seminar Presentation
- Soft Skill Development
- Work shop/ Site visits





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