

RIGHT CHOICE FOR BRIGHT FUTURE



Blitz Academy[®]
An ISO 9001:2015 Certified Institution



www.blitzacademy.org
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COCHIN | KOTTAYAM | ADOOR | PATHANAMTHITTA

Mechanical & Civil Courses Accredited By KASE



KASE
KERALA ACADEMY FOR SKILLS EXCELLENCE

Skill Development Mission of Government of Kerala

Vision

Empower the generation through quality education for diversified industries.

Fine tune the candidates as an excellent key tool for the competitive industry.

Achieve in all endeavors and to face global challenges.

Provide excellent teaching and practical exposure including industrial training in leading sectors like Rig (offshore, onshore), oil & gas Refineries, petrochemicals and construction sites, both in India and Abroad.

Enable our students to develop into outstanding professionals with high ethical values, confident for facing the challenges and to meet the requirement of the next millennium around the world.

Mission

Blitz academy: Aspires to be the global leader in education, Training and certification and to play a vital role in socio economic progress of the Nation.



A blurred background image showing students in a classroom setting, with a focus on the foreground student's arm and shoulder.

About Blitz

Blitz Academy is an educational institution since 2011. We provide world class training & Certification in the field of Mechanical, Electrical, Civil and Quality Management Engineering. We offer unique opportunities to face challenges through our enriched learning, academic excellence, professional training and corporate exposure. We deliver courses and examinations to all major industrial sectors like oil & gas, aerospace, construction, power and automotive. Our Courses are assigned to provide a good volume of Knowledge and high degree of skills. Our training is mainly practical oriented rather than just classroom theory which makes us unique in this field of training.

We count amongst unrivalled quality of training and assessment leading to internationally recognized qualification which is demanded by various industries worldwide. We provide training and certification in various fields and thus play a vital role in socio economic progress of the nation by Contributing high quality engineers.

We provide industrial training and examination services via its global network of offices and training centres. In addition to regular curriculum every department organizes technical seminars, industrial visits, onsite training, and practical's to expose the students to the real world environments. We offer 100% job guarantee for the students who have successfully completed our courses and industrial training programs. We offer tutoring services for the students to fulfil their ongoing education, training and certification requirements with real experienced hands from various industries. Our training labs are facilitated with advanced machines and equipments used in the industries.

MECHANICAL & CIVIL COURSES ACCREDITED BY KASE



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DEPARTMENT OF LABOUR AND SKILLS

What is KASE?

Kerala Academy for Skills Excellence, a section 25 company under the Department of Labour and Skills, Government of Kerala, promote, establish, set up, monitor, govern and regulate institutions and academies for skills excellence for development of core employability skills, competency standards and for promoting technology that meets the demands of various industries. KASE is also the State Skill Development Mission of Kerala to facilitate and coordinate all the skill initiatives of the state in line with the objective of the Skill India Mission.

www.kase.in | Phone: 0471 2735856

KASE Accreditation

KASE associate with private companies or firms involved in employability enhancing skill development through International Skill Training and Employability Programme (iSTEP). The iSTEP process, which involves multiple levels of scrutinization by industry experts and Government Bureaucrats, select skill training partners or skill development courses. KASE Accreditation is provided to the employability enhancing skill development courses conducted within Kerala by institutions that meet the iSTEP eligibility criteria. All the courses accredited by KASE ensure a minimum of 60% placements per batch.

KASE has accredited a few selected courses conducted at Blitz Academy, Kochi in Mechanical and Civil sectors. The details are provided in this brochure.

OUR TEAM



Mr. NAVIN ULLAS

Certified Welding Inspector
(CSWIP 3.1) API 570 Piping inspector
(Experience - 11 Years)



Mr. K. SUHAIL

ASNT NDT LEVEL - III
(RT, UT, MT, PT)
API 570 (Experience - 8 Years)



Mr. RAJEEV REGHUNATHAN

Certified Welding Inspector (CSWIP 3.1)
Mechanical Engineer (Experience - 6 Years)



Mr. EBY VARGHESE

OIL & GAS
Level-II Mechanical Technology
(Experience - 14 Years)



Mr. MURALEEDHARAN PILLAI R

OIL & GAS
(Experience - 17 Years)



Mr. ASHFAQ E.U

Civil Engineer Class A,
Grad. Iosh Department Of Urban Affairs,
Kerala State (Experience - 5 Years)



Mrs. SAVITHA A.S

Civil Engineer
(Experience - 11 Years)



Mrs. VINEETHA MOL K.V

Quantity Surveyor
(Experience - 7 Years)



Mr. JITHIN SANJEEV

Electrical Engineer
(Experience - 4 Years)



Mr. SHARON JOSEPH

Piping & pipeline Engineer
(Experience - 6 Years)



Mr. DINOY DOMINIC

HVAC Engineer
(Experience - 5 Years)



Mr. MIDHUN PRINCE

Electrical Engineer
(Experience - 5 Years)



Mr. ANOOP E VENUGOPAL

Mechanical QC Engineer
(Experience - 10 Years)



Mr. MIDLAJ N.P

NDT Inspector ASNT NDT LEVEL-II
(RT, UT, MT, PT)
(Experience - 6 Years)



Mr. ARUN KUMAR V

Mechanical QC Engineer
(Experience - 4 Years)

OIL & GAS

This course is basically proposed for professionals who aspire to have a career in the field of Oil & Gas Industry. The course gives a preliminary knowledge into the various stages of oil exploration, production, refinery processes and configuration. It contains the upstream, midstream and downstream processes covering various operational methods in oil exploration and details of off shore, on shore and rigs safety in Oil and Gas fields.





DIPLOMA IN OIL & GAS TECHNOLOGY

- ▶ Basics of Oil & Gas
- ▶ Seismic Survey
- ▶ Geological Mapping
- ▶ Drilling Operations
- ▶ Rotating Equipments
- ▶ Coring & E-line Logging
- ▶ Mud Logging
- ▶ Well Testing
- ▶ Completion
- ▶ Fishing
- ▶ Slick Line
- ▶ Production Engineering
- ▶ Process Engineering
- ▶ Work over & Intervention
- ▶ Well head Maintenance
- ▶ HSE

Duration

6 Months

Eligibility Criteria

Plus Two
Diploma/B.tech/BE

Training

*15 Days Rig Training
Basic Offshore Safety Training

Mechanical & Civil Courses Accredited By KASE



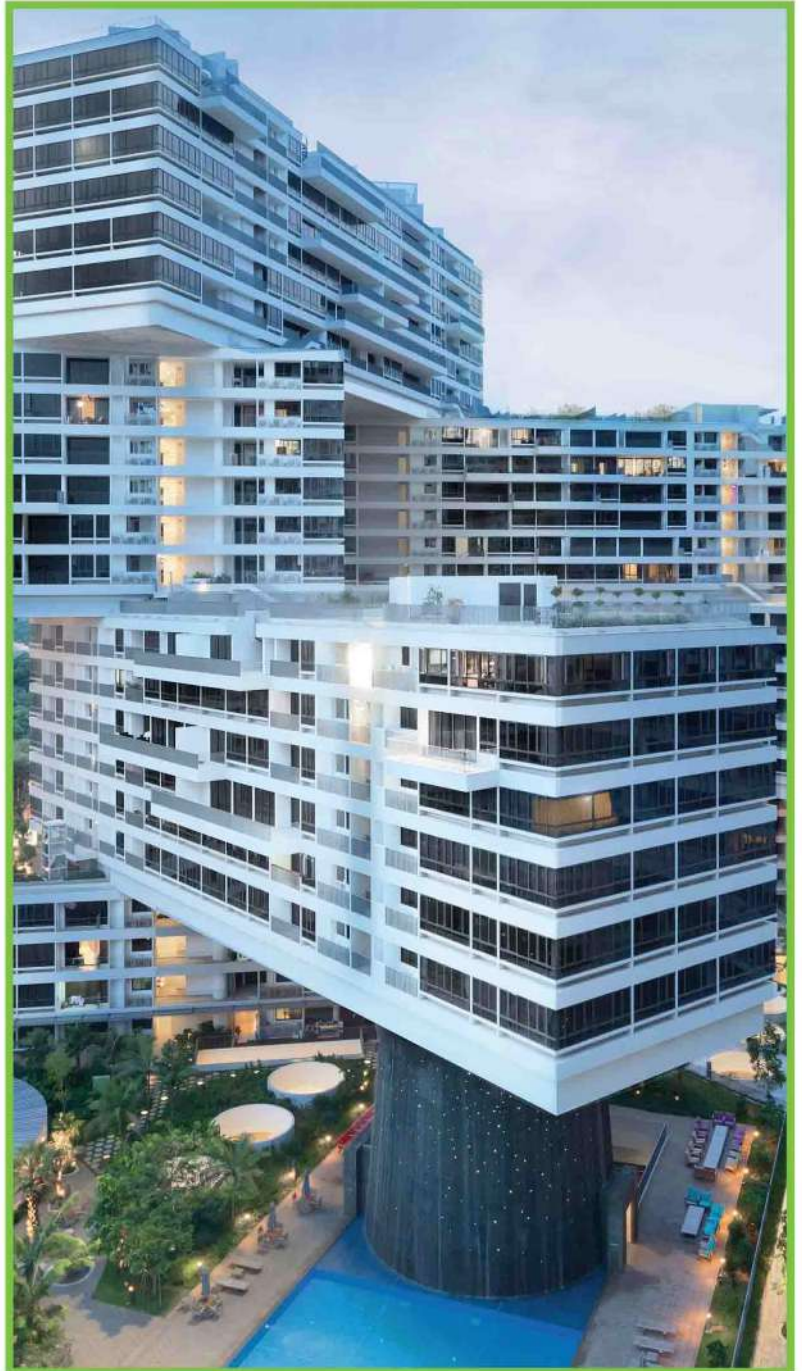
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CIVIL

Quality is one of the critical factors in the success of construction projects. Quality of construction projects, as well as project success, can be regarded as the fulfillment of expectations and satisfaction of the project participants. The construction industry has been struggling with quality issues for many years. construction costs can be significantly reduced if the construction industry embraces the concept of quality assurance and control that has been used with great success by service and manufacturing industries.



CIVIL QA/QC ENGINEERING

- ▶ Quality Management System
- ▶ Materials Selection & Sampling
- ▶ Practical Civil Engineering
- ▶ Tests on Soil
- ▶ Tests on Aggregate
- ▶ Tests on Concrete
- ▶ Tests on Cement
- ▶ Tests on Bitumen
- ▶ Non Destructive Testing (Civil NDT)
- ▶ Quality Documentation & Report Preparation
- ▶ Construction Site Safety

Duration

1.5 Months

Eligibility Criteria

Civil / ITI
Diploma / B.tech / BE

Training

Practical

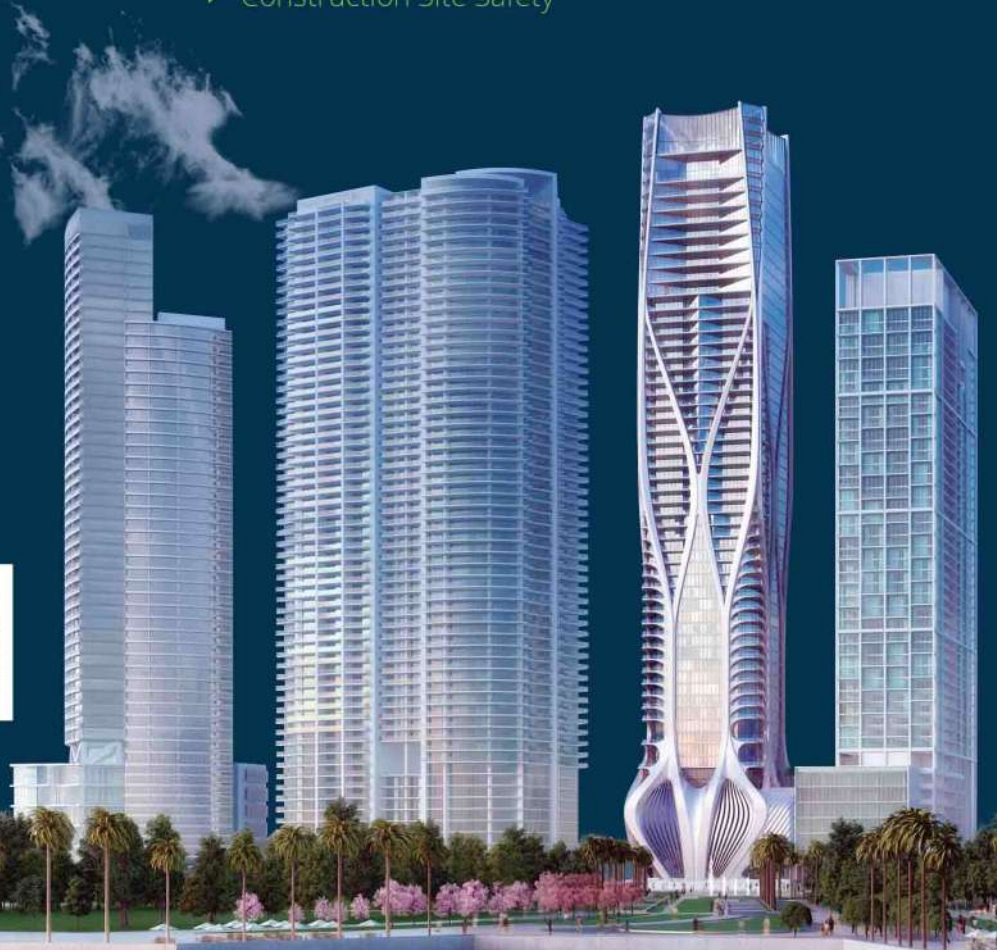
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QUANTITY SURVEYING

Quantity Surveying

Bar Bending Schedule

Rate Analysis

Estimation of Buildings

Estimation of Roads

Estimation of Bridges

Estimation of RCC Items

Estimation of Miscellaneous Items

Duration

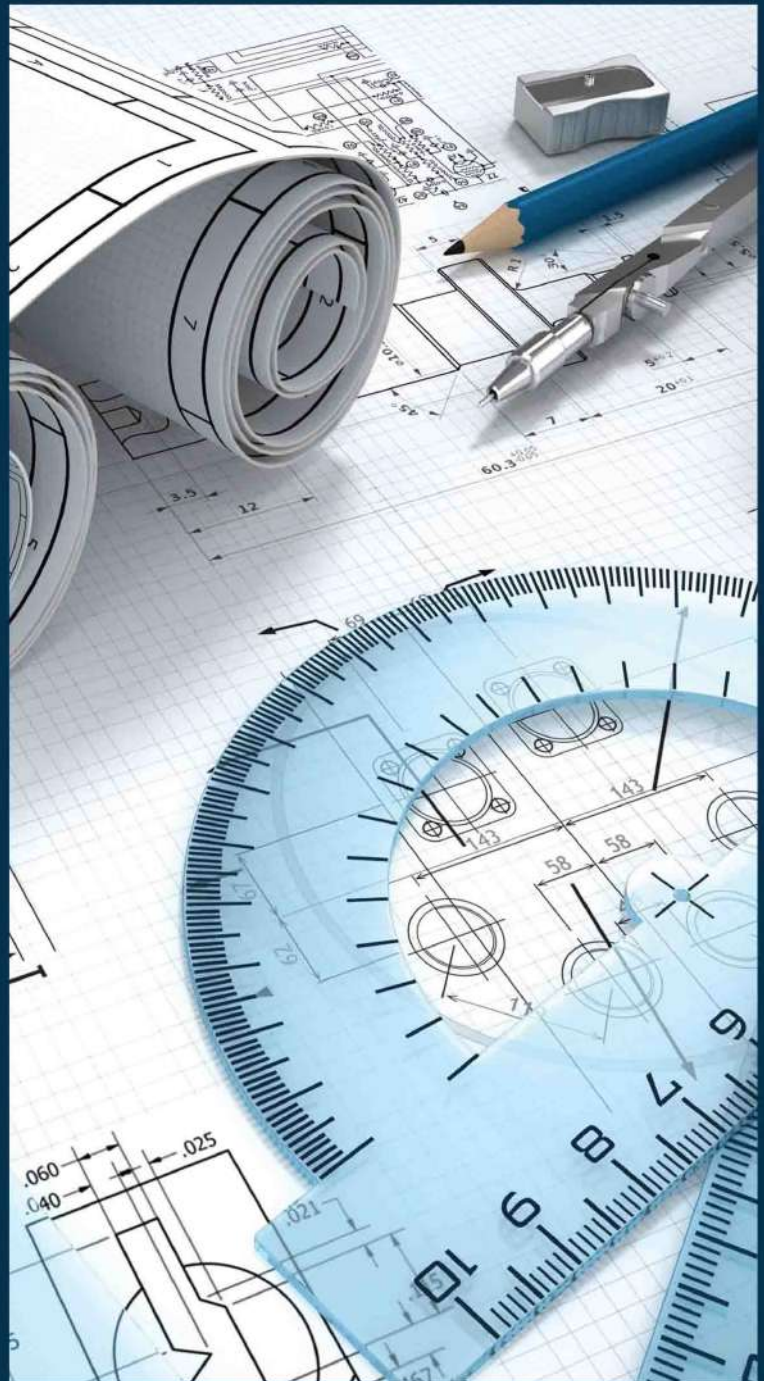
1.5 Months

Eligibility Criteria

Civil / ITI / Diploma / B.tech / BE

Training

Practical



CONSTRUCTION MANAGEMENT

- ▶ Project Management
- ▶ Methods & Principles
- ▶ Project Planning & Scheduling
- ▶ CPM & Pert Net Work Analysis
- ▶ Resource Management Monitoring & Control
- ▶ Cost Time Analysis
- ▶ Contract Management
- ▶ Risk Management
- ▶ Safety Management
- ▶ Software Training

Duration

1.5 Months

Eligibility Criteria

Civil / ITI
Diploma / B.tech / BE

Training

Practical



MECHANICAL QA/QC ENGINEERING

This comprehensive course focuses on QA/QC systems including to create value through knowledge transfer and the development of skills. QA/QC Engineer position for various sectors including oil & gas, aerospace, petrochemical, refineries, power plants, automotive, rail, marine, construction, manufacturing Industries and military services. This course offers administrative standards and curriculum guidelines for the qualification of entry level, advanced and experts QA/QC professionals by using National & International standards.

Duration

3 Months

Eligibility Criteria

ITI / Diploma / B.tech / BE

Training

*Optional

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PIPING & PIPELINE ENGINEERING

- ▶ Process piping construction
- ▶ Codes and standards
- ▶ ASVE Section - IX
- ▶ ASVE Section - B 31
- ▶ GA drawing
- ▶ Isometric drawings
- ▶ Stress Analysis
- ▶ Material specification
- ▶ Fabrication & Erection methods
- ▶ Pipe fitting & Application
- ▶ Pipe routing
- ▶ Pipe supports
- ▶ Pressure testing
- ▶ Leak testing
- ▶ Mechanical equipments related to piping
- ▶ Documentation related billing

Duration

1 Month

Eligibility Criteria

ITI / Diploma / B.tech / BE

Training

*Optional

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Duration

1 Month

Eligibility Criteria

Plus Two / ITI
Diploma / B.tech / BE

Training

*Optional

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NDT LEVEL - II

- ▶ **VISUAL TESTING**
- ▶ **ULTRASONIC TESTING**
Probe Selection Calibration DAC
- ▶ **PENETRANT TESTING**
Visible Penetrant Testing
Fluorescent Penetrant Testing
- ▶ **RADIOGRAPHIC TESTING**
X-Ray Radiographic Testing
Gamma Ray Radiographic Testing
- ▶ **MAGNETIC PARTICLE TESTING**
Visible Magnetic Particle Testing
Fluorescent Magnetic Particle Testing
- ▶ **RTFI**

WELDING INSPECTION

- ▶ Visual Inspection
- ▶ Material identification
- ▶ Codes and standards
- ▶ WPS & ITP
- ▶ WQT
- ▶ Destructive testing
- ▶ Weld Positions
- ▶ Welding process & Consumables
- ▶ Weldability
- ▶ Metallurgy
- ▶ Stress & Distortion
- ▶ Gauges & Inspection
- ▶ Non-Destructive testing
- ▶ Weld imperfections
- ▶ Pre-Heat & Post weld Heat treatment
- ▶ Documentation

Duration

1 Month

Eligibility Criteria

ITI / Diploma / B.tech / BE

Training

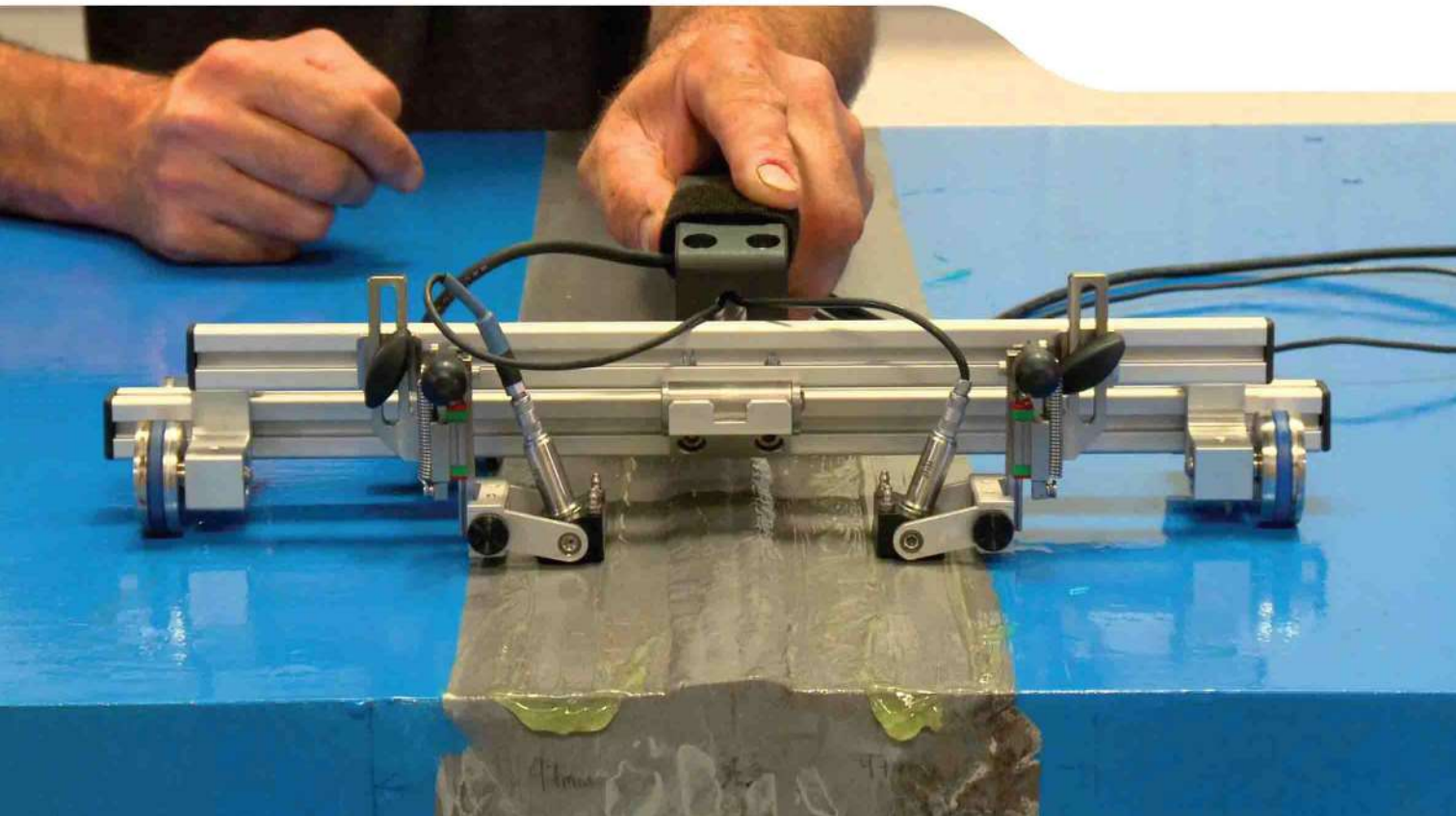
*Optional

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MEP BUILDING INFORMATION MODELING

MEP Engineer is a single-level professional classification responsible for planning and design in the areas of Mechanical, Electrical and Plumbing (MEP) systems including developing policies, standards, inspection procedures and evaluation of various projects. The mechanical aspect focuses on heating, cooling and ventilation (HVAC) and the electrical aspect focuses on providing power to all outlets and appliances . Plumbing aspect focuses on the delivery of water and draining of waste water.

HVAC

- ▶ Basics of Designing
- ▶ Heat Load Calculation (Manually & Softwares)
- ▶ Machine Parts, Coil Selection, Chiller Parts
- ▶ Low Side Material Selection
- ▶ Drafting Project 1 & Project 2
- ▶ Quantity Surveying (BOQ)
- ▶ **Softwares**
HAP (hourly analysis program)
Duct sizer, Pipe sizer, Auto Cad

ELECTRICAL

- ▶ Fundamentals
- ▶ Wiring & Cable management systems
- ▶ Lighting management system
- ▶ Power distribution system
- ▶ House Wiring Designing
- ▶ Residential & Commercial buildings designing
- ▶ Transformer, DG, Busbar, Capacitor bank selection
- ▶ Preparation of BOQ
- ▶ **Softwares**
Revit, Auto Cad, Relux

FIRE FIGHTING

- ▶ Fire triangle
- ▶ Types of fires
- ▶ Fire fighting system
- ▶ Sprinkler system
- ▶ Head calculation
- ▶ Pump selection
- ▶ Drafting
- ▶ **Softwares** - Ellite & FM-200

PLUMBING

- ▶ Pump selection
- ▶ Head calculation
- ▶ Man hole calculation
- ▶ Water calculation
- ▶ Drainage system
- ▶ Water supply fixture unit
- ▶ Materials selection
- ▶ Septic tank sizing
- ▶ **Softwares** - Revit & Auto Cad

Duration

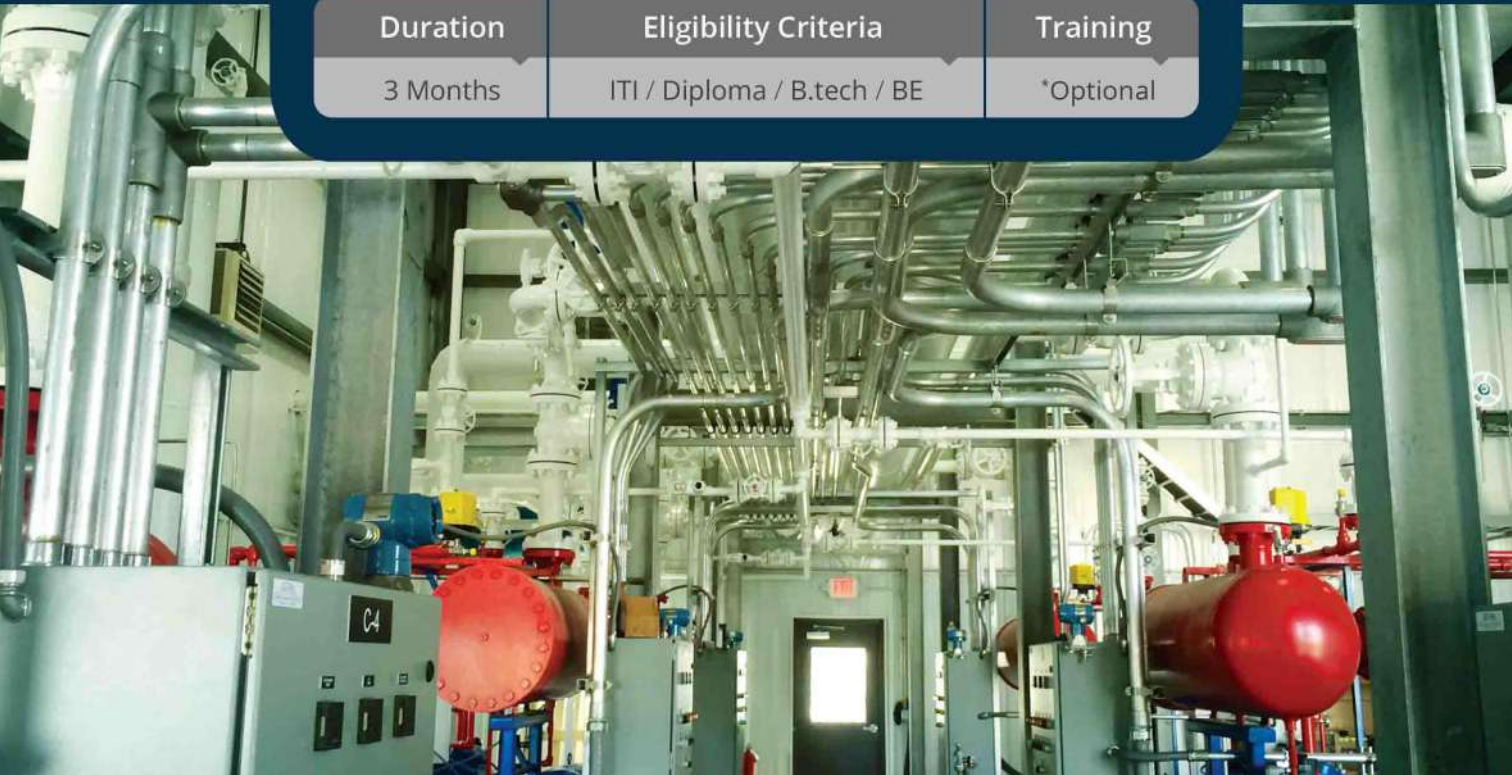
3 Months

Eligibility Criteria

ITI / Diploma / B.tech / BE

Training

*Optional



A photograph of high-voltage electrical equipment at a substation. The image shows several vertical insulator strings with horizontal cross-arms, each supporting a large, cylindrical, ribbed component, likely a capacitor or reactor. The equipment is made of metal and ceramic. In the background, there are more insulators and power lines against a clear blue sky. A metal ladder or walkway is visible on the left side of the frame.

ELECTRICAL QA/QC

Electrical QA/QC Engineering offers a challenging and lucrative career path for individuals with practical and scientific background. QA/QC engineers use measuring and diagnostic devices to adjust, test and repair equipment. They often work in product evaluation and testing by using quality manual, procedures and quality standards. This department is committed towards the advancement of frontiers of knowledge in Electrical Engineering and to provide the students with a stimulating and rewarding learning experience.

ELECTRICAL QA/QC

- ▶ Duties & Role of Electrical QC Engineer
- ▶ Indian & International Standards (IEC, DEWA, NEC)
- ▶ MV & LV Installation - Transformer, Cables, Generator, Motors & Switchgear
- ▶ Fault level calculation & Earthing design
- ▶ Lighting Protection
- ▶ Substation room Inspection
- ▶ Testing and Inspection of cables, Switchgear panel boards, earthing conductors & etc..
- ▶ Inspection & Test Plan (ITP)

Duration

1.5 Months

Eligibility Criteria

Electrical / ITI
Diploma / B.tech / BE

Training

*Optional

Duration

1.5 Months

Eligibility Criteria

Electrical / ITI
Diploma / B.tech / BE

Training

*Optional

ELECTRICAL DESIGNING

- ▶ Fundamentals
- ▶ Wiring & Cable management systems
- ▶ Lighting management system
- ▶ Power distribution system
- ▶ House Wiring Designing
- ▶ Residential & Commercial buildings designing
- ▶ Transformer, DG, Busbar & Capacitor bank selection
- ▶ Preparation of BOQ
- ▶ **Softwares** - Revit, Auto Cad & Relux

LOGISTICS

Logistics is generally the detailed organization and implementation of a complex operation . In a general business sense, logistics is the management of the flow of things between the point of origin and the point of consumption in order to meet requirements of customers or corporations.

Duration

6 Months

Eligibility Criteria

Plus Two / Any Degree
(Above 50% Marks)

DIPLOMA IN LOGISTICS & SUPPLY CHAIN MANAGEMENT

- ▶ Introduction to logistics & supply chain management
- ▶ Financial management in supply chain industry
- ▶ Lean supply chain management



IDCAF

International Diploma in Computerised Accounting & Finance

IAAP Certified International Diploma in Computerised Accounting & Finance (IDCAF) is aimed at learners who are new to accounting concepts as well as those who already have a practical understanding of manual accounting, and wish to further their knowledge of computerised accounting. It could also be taken by those candidates who already possess the practical knowledge and skills and wish to gain an internationally recognised qualification in accounting field.

This qualification has been developed for learners in India but may also be of considerable benefit to those who want to work in other countries.

- ▶ Basic and Advanced Accounting
 - ▶ Practical Accounting
 - ▶ Financial Accounting
 - ▶ Financial Management
 - ▶ **Microsoft Excel**
(Direct Microsoft Certification)
 - ▶ **Computerised Accounting Tally ERP 9**
(Direct Tally Certification)
 - ▶ **IFRS Fundamentals**
 - ▶ **Goods And Services Tax (GST)**
 - ▶ Additional Accounting Software
Quickbooks (Original Certification)
- Spoken English, Interview Training,
CV Building Tips & Mock Interviews

Duration

6 Months

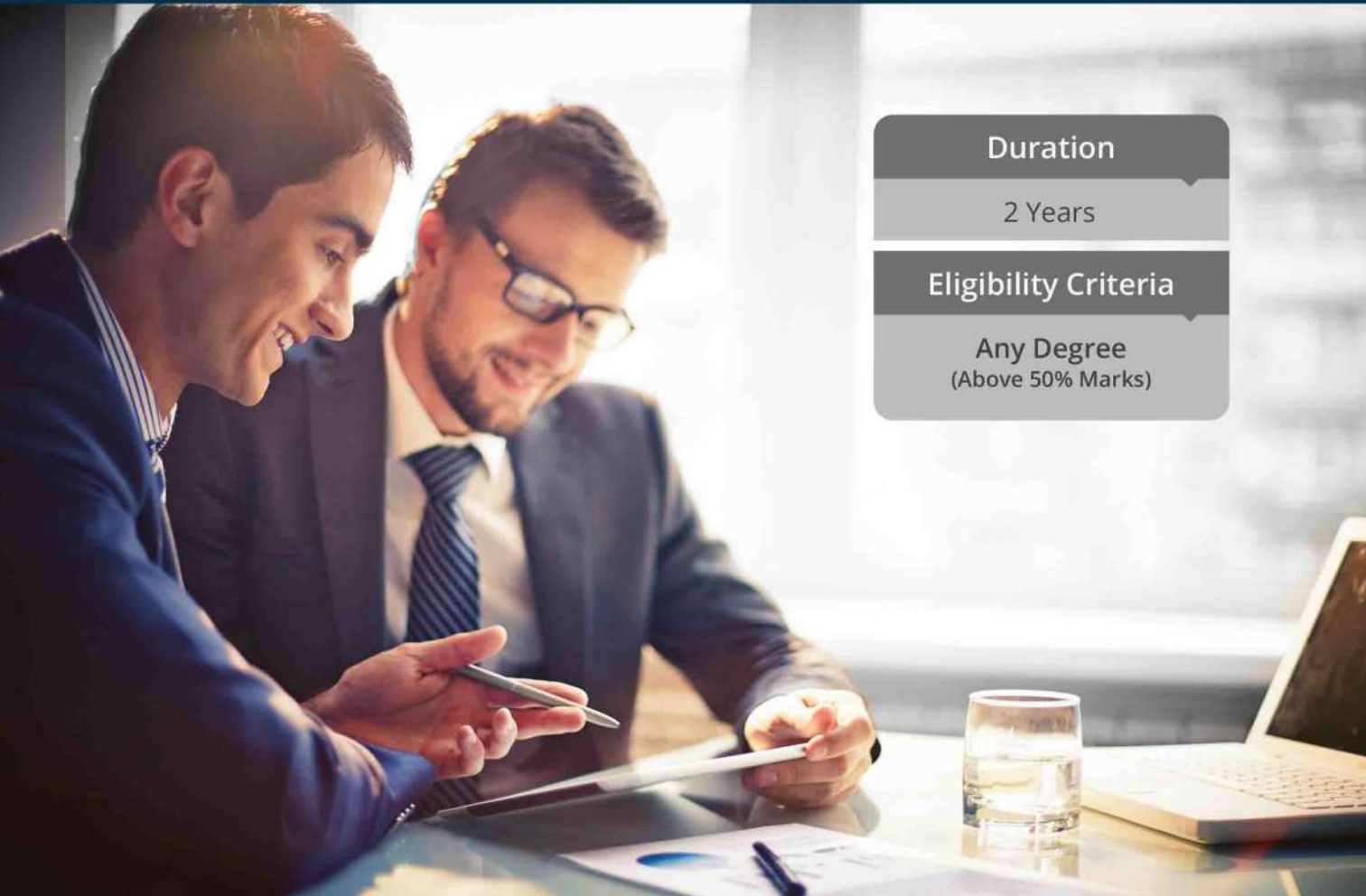
Eligibility Criteria

Plus Two / Any Degree
(Above 50% Marks)



MBA PROGRAMS OFFERED

- ▶ OIL & GAS MANAGEMENT
- ▶ POWER MANAGEMENT
- ▶ LOGISTICS & SUPPLY CHAIN MANAGEMENT



Duration

2 Years

Eligibility Criteria

Any Degree
(Above 50% Marks)

► **DOMAIN
SPECIALIZED
ENGINEERING
& MANAGEMENT
CERTIFICATE
PROGRAMS**

► **PROGRAMS
DESIGNED
FOR WORKING
PROFESSIONALS
/ FRESHERS**



Industrial Training
Placements

International Accreditation
Infrastructure

Eminent Faculty
Air Conditioned Classrooms

Wi Fi Campus
Hostel Facility



The Society of Petroleum Engineers



The American Society of Mechanical Engineers



American Society for Non Destructive Testing



AMERICAN PETROLEUM INSTITUTE
American Petroleum Institute



American Society of Civil Engineers



Indian Society of Heating Refrigeration & Air-Conditioning Engineers



American Society of Heating Refrigerating & Air-Conditioning Engineers



International Association of Engineers



American Welding Society
American Welding Society



ISO 9001:2015



International Well Control Forum



International Association of Drilling Contractors



International association of accounting professionals



Microsoft Excel



Tally.ERP 9



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Skill Development Mission of Government of Karnataka



Blitz Academy[®] Pvt.Ltd

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For Accreditation Details

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Kerala Academy for Skills Excellence(KASE)

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