

**(ET) Environmental Training**

Program
Introduction in Environmental Studies
Climate Change, Adaptation and Mitigation
Industrial Waste Water Treatment and Technologies
Sustainable Development and Environmental Protection
Integrated Waste Management
Hazardous Waste Management
Sustainable Energy
Medical and Infection Waste Management
Environmental Policy, Law and Planning
Restoration Ecology
Geology and Earth Recourses
Environmental Management System (EMS)
Environmental Policy, Law and Planning
Restoration Ecology
Geology and Earth Recourses
Natural Ecosystem: Monitoring and Assessment
Understanding and Managing Living Systems
Water Use and Management in Arid Ecosystems
Nature and Biodiversity Conservation Management
Environmental Impact Assessment (EIA)
Coastal Zone Management (CZM)
Chemical Environment
Biofuel Production from Organic Wastes
Geology and Earth Recourses
Environmental Management System (EMS)

**Engineering**

**(ME) Mechanical Engineering**

Program
Steam Power Plant Abnormal and Emergency Conditions
Shaft Balancing, Alignment Techniques & Measuring Tools
Integrated Thermal Power & Desalination Plant Optimization Model
Water Tube Boiler Operation & Troubleshooting
Operational Performance & Optimization of Reverse Osmosis (RO) Plant
Effective HVAC Maintenance & Troubleshooting
Cooling Towers Construction, Operations & Performance
Heat Exchanger Inspection & Cleaning Techniques
Understanding Gas Turbine Failure Investigation & Analysis Techniques
Hydraulic System Applications & Troubleshooting in Industries

Mechanical Seals Selection, Maintenance & Troubleshooting
Enhancing Fire Tube Boiler Performance & Efficiency
Shell and Tube Heat Exchangers Operation, Maintenance & Troubleshooting
Safe Isolation of Plant Systems & Equipment
Operation of Steam Power Plant & Auxiliaries System
Steam Power Plant Abnormal and Emergency Conditions
Shaft Balancing, Alignment Techniques & Measuring Tools
Integrated Thermal Power & Desalination Plant Optimization Model
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Hydraulic System Applications & Troubleshooting in Industries
Mechanical Seals Selection, Maintenance & Troubleshooting
Enhancing Fire Tube Boiler Performance & Efficiency
Shell and Tube Heat Exchangers Operation, Maintenance & Troubleshooting
Safe Isolation of Plant Systems & Equipment
Operation of Steam Power Plant & Auxiliaries System
Balancing & Correction Methods of Rotating Machines
Compressor Troubleshooting, Problems, Causes & Solutions
Troubleshooting & Failure Analysis of Rotating Equipment Machinery
Machinery Bearing & Lubrication Technology
<b>(EE) Electrical Engineering</b>
<b>Program</b>
AC Motors and Drives: Protection, Maintenance & Troubleshooting
Electrical Fault Diagnosis Techniques & Preventing Cascading Blackouts
Electrical Safety for Electricians Working at Low & High Voltage
Electrical Power Distribution Networks System: Designing & Layout Planning
Operating Electrical Distribution Equipment & Asset Optimization
Interconnected Power System Reliability Operations and Coordination
Power Transformer Condition Assessment & Life Span Extension
Transmission System Planning & Operation Reliability Techniques

Understanding Voltage Stability & Power Transmission Capability
UPS and Battery Chargers System: Operation, Maintenance & Troubleshooting
MV & LV Electrical Switchgear: Inspection, Maintenance and Troubleshooting
Grounding & Safety of Electric Power Substation
Power System Stability & Control Methodologies
Equipment Management for Primary Distribution Systems
Electrical Power System Protection: Principles & Applications
Energy Management & Optimization for Central Load Dispatching System
Optimal Control of Static VAR Compensators in Power System
Protection Relays Application in Distribution & Transmission Networks
Electrical System Restoration, Methodologies & Implementation Strategies
<b>Security</b>
<b>Program</b>
Identity Theft Protection - Detecting Red Flags - Responding
Security Information Resources
Access Control, Weapons/Explosives Detection
Fundamentals of Security
Workplace Security, Building Access, Incident Reporting
Nature of Sensitive Materials & Physical Assets
Travel Safety & Security
Information Security
Emergency Response
Terrorism Threats
Identity Theft Protection - Detecting Red Flags - Responding
Security Information Resources
Access Control, Weapons/Explosives Detection
Fundamentals of Security
Workplace Security, Building Access, Incident Reporting
Nature of Sensitive Materials & Physical Assets
Travel Safety & Security
Information Security
Emergency Response
Terrorism Threats
Lead by example - security management practices – legal issues
Theory of Physical Security
Protecting Information
Insider threats / workplace Violence
Mobile Data Security
<b>Technical</b>
<b>Instrumentation &amp; Control</b>
<b>Program</b>

Principles & Trends in Modern Industrial Field Instrumentation
Boiler Burner Management & Automatic Combustion Control
Steam Turbine Supervisory Instruments
Distributed Control System (DCS) Application & Troubleshooting
SCADA Systems & Industrial Networks for Plant Process
Practical Process Instrumentation & Automatic Control
Instrumentation & Control Systems for Industrial Machinery
Process Control Systems Calibrating & Tuning Techniques
Principles of Foundation Fieldbus Application In Industries
Programmable Logic Controller (PLC) Architecture Design
Standard Applications for SCADA and Automation Systems
Pneumatic and Electronic Control System Applications & Troubleshooting
Metering Equipment, Flow Control & Regulating Devices
<b>(EA) Explosive Atmospheres IEC 60079</b>
<b>Program</b>
The Preparation & Installation of Ex 'd', 'n', 'e' and 'p' Electrical Equipment in Explosive Atmospheres
The Maintenance The Preparation & Installation of Ex 'i' Equipment and Systems in Explosive Atmospheres nce & Inspection of Ex 'd', 'n', 'e' and 'p' Electrical Equipment in Explosive Atmospheres
The Maintenance and Inspection of Ex 'i' Equipment and Systems in Explosive Atmospheres
<b>(HSE ) Health ,Safety &amp; Environment</b>
<b>Program</b>
Chemical Safety
Analysis of The Economic Impact of Environment Problems
Industrial Chemistry and Safety
Stress, Violence and Drugs in Workplace
NEBOSH (Health and Safety at Work Qualification) General Certificate
NEBOSH (IGC)
NEBOSH (International Diploma) in Occupational Health &Safety
IOSH Managing Safety
BSS Diploma: In Construction Safety
NEBOSH (IOGC) In Oil& Gas Operational Safety
Personal Protective Equipment (PPE)
<b>(BC ) Behavioral Competencies</b>
<b>Program</b>
Art of Selling
Successful Sales Leadership
Work Life Balance

Managing Emotions at Work
Transitioning Successfully from Managing to Leading
How to Sell like a Professional
Understanding & Managing Diversity
Stress Reduction through New Work Habits
Writing for Impact
Networking to Promote your Organization
Time Management and Strategic Planning
Building Collaborative Teams
Interpersonal Competence for Career Growth
Keeping Stress and worry in Perspective
Understanding and Managing Change
Negotiations a Human Relations Approach
Negotiations: Collaborate to Win
Breakthrough Communication
Train the Trainer
Inspiring and Motivating Employees
Programmable Logic Controller (PLC) Architecture Design
Resolving Conflicts and Making Decisions
How to Set Goals, Plan and Manage Time
Analyzing Problems and Making Effective Decisions
Building High Performing Teams
Effective Communication Skills for Managers
Enhancing Leadership Capabilities
Business Strategy
Stepping Up to Leadership
Performance-Centric Leadership
Nuts 'n' Bolts of Leadership
Coaching Employees to Peak Performance
Presenting with Impact
Business Communication and Presentation Skills
Building Effective Proposals
Creating and Sustaining Professional Relationships
<b>(VW) Vocational Workshop</b>
<b>Program</b>
Power Transformer Maintenance & Testing
Diesel Engine Generator Operation & Maintenance
Gas Chromatography Analyzer
Industrial Automation Workshop on PLC & SCADA
Power Cable Splicing, Termination & Testing
Pumps Types, Inspection & Troubleshooting
Laboratory Instruments Calibration & Tuning

Industrial Automation Workshop on PLC & SCADA
Pipeline Selection, Fabrication & Repair Methods
Protective Relays Calibration & Testing
<b>(SCM) Supply Chain Management</b>
<b>Program</b>
Managing & Improving Effective Warehouse Operations
Inventory Management: Forecasting & Stock Control Techniques
Optimum Utilization of Inventory & Stock Control
Strategic Purchasing & Supply Chain Management
Managing Vendor Classification & Performance
Successful Safe Material Handling during Warehouse Operation
Strategic Decision Framework for Green Supply Chain Management
Effective & Practical Support of Logistics System
Effective Warehouse Operation & Inventory Management
Aligning Supply Chain Strategies: Efficiency & Cost Saving
<b>(PC) Project &amp; Contracts</b>
<b>Program</b>
Bids, Contracts, Claims & Arbitration
Primavera Risk Analysis Workshop
Negotiation, Managing & Administration Framework Contracts
Best Practices in Managing Construction Project
Project Planning & Scheduling Workshop using Primavera 6
PMP Exam Preparation
Feasibility Study & Project Economic/Financial Appraisal
Cost Estimating, Budgeting & Cost Control
Project Financial Evaluation for Engineers
Advanced Project Management
<b>(IM) Industrial Management</b>
<b>Program</b>
Managing Outsourcing Manpower Contractors
Effective Communication Skills for Technical Professionals
Enhancing Technical Supervisory Skills
Business Continuity & Risk Management for Technical Organization
Estimating, Budgeting & Value Engineering Skills
Technical Report Writing Skills Workshop
Managing & Leading Technical Organization Strategy
Managing Multicultural Teams for Peak Performance & Productivity
Effective Team Building in Technical Work Place
Problem Solving & Decision Making Techniques for Engineers

## (CL) Chemistry & Laboratory

### Program

Managing and Operating Industrial Laboratory: Regulations & Procedures

Analytical Chemistry Calibration, Standardization & Blank Corrections

ISO/IEC 17025 Awareness, Implementation & Internal Audit

Drinking Water Treatment : Principles & Practices

Gas Chromatography: Troubleshooting & Method Development

Water Chemistry & Treatment Methodology for Power Plant

Water Chemistry & Treatment for Reverse Osmosis (RO) Plant

Corrosion Protection of Material in Oil & Gas Industry

Philosophy of Corrosion Engineering: Monitoring, Inspection & Control

Laboratory Standard Operating Procedures

## (TE) Transportation Engineering

### Program

Maritime Transport & Port Operations

Advanced Airport Engineering & Economic Management

Safety & Emergency Response in Marines

Safety Management Systems for Civil Aviation

Vehicle Tracking System Operation & Organization

Troubleshooting & Failure Analysis of Rotating Equipment Machinery

Strategic Planning & Organization of Transportation Operation

Quantitative Methods in Transportation Operations

Intelligent Transportation Systems for Industrial Organization

Marine & Supply Base Operations for Offshore Support

Railway Management, Operation & Safety

## (RM) Reliability & Maintenance

### Program

Maintenance Technology Concept & Applications

Continually Improving Maintenance & Reliability Results

Maintenance Management Strategy: Concepts & Applications

Analysis & Modeling of Maintenance Activities Best Practices

Integrating Reliability & Maintainability with Risk Analysis

Six Sigma & Maintenance Condition Monitoring

Maintenance Strategy Development & Cost Effective Implementation

Effective Maintenance Planning & Scheduling

Understanding Failure Analysis Investigation Techniques

Best Practices for Cost Effective Maintenance

## (ISM) Iron & Steel Manufacturing

<b>Program</b>
Metallurgical Furnace: Second Metallurgy/Ladle Furnace Treatment
Rolling Strips and Panels Methodologies & Techniques
Effect of Ferro-alloys in Steel Properties
Steel Smelting Furnaces & Accessory Tools
Electric ARC Furnace (EAF) Steel Making
Metallurgy, Corrosion and Prevention of Failure in Iron & Steel Factories
Operation & Cost Effective Optimization of Pelletizing Plant
Roll Pass Design & Mill Operation Strategy
Melting Technology & the Operation of Electrical Furnaces
Ladle Treatment and Casting of Steel & Alloys
<b>(AM) Aluminum Manufacturing</b>
<b>Program</b>
Aluminum Electrolysis Process
Corrosion of Aluminum & Aluminum Alloys
Aluminum Smelting Process & Technology
Process Integration in Rolling of Aluminum Strips
Optimizing Furnace Operations for Aluminum & Saving Energy
Optimizing the Use of Rolling Plant Capital Equipments
Aluminum Process and Production Systems Control & Optimization
Casting of Aluminum Alloys after MCAST
Energy Consumption Optimization of the Aluminum Industrial Production
Fundamentals & Application in Aluminum Production
<b>(CM) Cement Manufacturing</b>
<b>Program</b>
Measurement of Precise Machines in Cement Industry
Blended Cements Operation & Process Techniques
Improving Conditions, Emission Control in Cement Factories
Evolutionary Modeling & Optimization of Grinding Processes
Quality Control Censorship for Pollution in Cement Industry
Cement Factory Quality Control
White Cement Manufacturing Technology
Cement Industry Engineering and Technology
Utilizations of Cement Kiln Dust and Fly Ash
Clinker Grinding, Milling & Separation Cycle Techniques
<b>(PI) Petrochemical Industry</b>
<b>Program</b>
Base Chemicals & Polymers Manufacturing
Petrochemicals - Olefins & Aromatics Manufacturing



Technical Integrity & Engineered Safety in Petrochemical Plants
Water Treatment for Petrochemical Operations
Process Engineering Applied to Petrochemical Operation
Emulsion Polymerization & Latex Technology
Hydrocarbon Production Operations
Plastic Additive Selection, Applications & Troubleshooting
Process Plant Startup, Commissioning & Troubleshooting
Petrochemical for Non - Petrochemical Engineers
<b>(OG) Oil &amp; Gas</b>
<b>Program</b>
Field Handling of Natural Gas - Emphasis on Operations
Floating Subsea Oil and Gas Technologies & Installations
Gas Condensation Network Layout & Operations
Surface Production Operation & Gas Processing
Exploration and Production of Oil & Gas
Crude Stabilization Operations
Economics of Refining & Oil Quality
Petroleum Project Economics & Risk Management
Advanced Deepwater Well Control
Oil and Gas Piping System Operation & Maintenance
<b>(IC) Instrumentation &amp; Control</b>
<b>Program</b>
Instrumentation Engineering Practices for Oil & Gas Facilities
Instrumentation Diagrams & Symbols Application
Advanced Principles of Foundation Fieldbus
Pneumatic and Electronic Control System Applications & Troubleshooting
Metering Equipment, Flow Control & Regulating Devices 5 day
Instrumentation & Control Systems for Industrial Machinery
Process Control Systems Calibrating & Tuning Techniques
Principles of Foundation Fieldbus Application In Industries
Programmable Logic Controller (PLC) Architecture Design
Standard Applications for SCADA and Automation Systems
Process Control & Loop Tuning Techniques
Digital Electro-Hydraulic Control for Steam Turbine
Principles & Trends in Modern Industrial Field Instrumentation
Boiler Burner Management & Automatic Combustion Control
Steam Turbine Supervisory Instruments
Distributed Control System (DCS) Application & Troubleshooting
SCADA Systems & Industrial Networks for Plant Process
Power Plant Process Control & Instrumentation
Gas Turbine Monitoring, Controls & Troubleshooting

Practical Process Instrumentation & Automatic Control
SCADA Systems & Industrial Networks for Plant Process
Power Plant Process Control & Instrumentation
Gas Turbine Monitoring, Controls & Troubleshooting
<b>(IL) International Languages</b>
<b>Program</b>
English as a Second Other Language (ESOL)
Spoken English for Speakers of Other Languages (SESOL)
English For Business Communication
English For Office Skills
English For Young Learners
French Language
Chinese Language
Spanish Language
Korean Language
<b>(TT) Teacher Training</b>
<b>Program</b>
Certificate in English Language Teaching to Adults ( CELTA)
<b>(IE) International Examinations</b>
<b>Program</b>
International English Language Testing System (IELTS)
Test of English as a Foreign Language (TOEFL)
Preparation Course for (IELTS)
Preparation Course for (TOEFL)