Certified Health, Safety, Sustainability & Environment Professional

Professional Certificate Program

INTRODUCTION:

This program is offered by **PIQC Institute of Quality** in collaboration with **NED University of Engineering & Technology**. As the world faces increasingly complex challenges in Health, Safety, Sustainability, and Environment (HSSE), organizations seek qualified professionals who can lead them toward a sustainable and responsible future. The course will help to improve your skills, reduce risks, make workplace healthier and safer, improve productivity and ensure long-term business performance. This is a highly sought-after certificate course in the middle east and global markets for HSSE professionals.

LEARNING OUTCOMES:

Upon successful completion of this program, the participants will be able to:

- ✓ Develop, implement and lead a HSSE strategies for organizational success.
- ✓ Identify how to evaluate incident and take part in incident investigation at their workplace.
- ✓ Perform risk assessment at their workplace – recognizing hazards, evaluating risks, recommending further control measures, and planning actions.
- ✓ Ensure management system effectiveness – through monitoring, audits, and reviews.
- ✓ Drive sustainability initiatives for a safer and greener future.

Platform
Online (VILT)
Duration
4 Months
(Two Classes Per Week)
Days
Tuesday & Wednesday
Timings
6:00 PM - 9:00 PM PKT

BODY OF KNOWLEDGE:

Module	Topics
Occupational Health and Safety Management System	Introduction to Occupational Health & Safety, Overview of ISO 45001:2018 OH&S MS Requirements, Structure & Organizing of OH&S System, Applicable OH&S Legal and Regulatory Requirements
Environmental Management System	Overview of ISO 14001:2015 EMS, Introduction to National and International Environmental Laws, Legal Requirements and Governing Authorities on Environmental Emissions
Hazard Identification, Risk Assessment, and Control	Identification of Health and Safety Hazards, Types of Hazards, Risk Assessment Methodology, Hierarchy and Methods of Risk Control
Environmental Aspect Impact Analysis	Development of Environmental Process Flow Diagram, Identification of Environmental Aspect & Impact, Aspect-Impact Analysis and Control Measures, Setting of Key Environmental Objectives and Targets, Monitoring and Measurement of Environmental Management Program
Incident Investigation, Analysis and Reporting	Categorization of HSE Incidents, Unsafe Acts vs. Unsafe Conditions, Formation of Incident Investigation Team, Initial Investigation, Investigation Methodology, Cause Analysis (JHA, HAZOP, FMEA, Tripod Beta, C&E Diagram), Incident Reporting and Distribution, Post Investigation Review, HSE Leading and Lagging KPIs
Emergency Management and Business Continuity	Classification of Emergencies, Development of Emergency Response Plan, Emergency Response Team Formation, Emergency Response Equipment, Business Continuity Plan
HSE Modern and Best Industrial Practices	Fire and Explosion Protection (Fire Triangle and Fire Hazards, Active and Passive Protection, Hazardous Area Classification, Explosion Protection Systems), Basic First Aid, Permit to Work System, Introduction to Process Safety Management, Office Safety and Ergonomics
HSE Audit	Audit Planning, Initiation and Execution, Writing Nonconformities and Corrective Action Request, Audit Conclusion, Preparation of Audit Report, Audit Close and Follow-up
Introduction to UN Sustainable Development Goals (SDGs)	History of Sustainability, Importance of Sustainable Development, UN 2030 Agenda and other International Agreements, Overview of 17 SDGs and their Targets
Course Learning Methodology: *The theoretical portion of this course is reinforced by interactive lectures and presentations, hands-on practical exercises, group activities, discussion of case studies and individual project work.*	

WHO SHOULD ATTEND:

This course is ideal for managers, supervisors, workers, or anyone in an organization who needs a broad understanding of health, safety and environment issues to be able to manage day-to-day risks effectively.

PROGRAM INSTRUCTORS:

This course is taught by highly qualified subject matter experts and professionals who possess practical knowledgeable and experience in the relevant fields.

ELIGIBILITY REQUIREMENT:

Bachelor's degree with good academic result. Work experience will be given preference.

For Fees, Registration and Further Course Details:
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