5-DAY INTENSIVE TRAINING WORKSHOP

Certified Innovation Practitioner

Drive creative solutions and lead successful innovation initiatives.



GLOBAL TRAINING INSTITUTE

Course Description

The **Certified Innovation Practitioner** program equips professionals with practical tools and strategies to lead innovation in complex, fast-moving industries. The course covers how to create and manage innovation systems, apply digital technologies like AI and digital twins, and drive sustainable innovation aligned with business goals. Participants will learn how to develop new ideas, improve existing processes, and lead innovation projects from concept to market in industries where efficiency, sustainability, and continuous improvement are key.

Who Should Certify

This certification is ideal for:

- Innovation and R&D Managers
- Process Improvement and Technology Leaders
- Strategic Planners and Business Development Professionals
- Engineers and Specialists in petrochemicals, manufacturing, energy, and industrial operations
- Anyone responsible for driving innovation, product development, or digital transformation in complex or capital-intensive environments

Course Objectives

Upon completion of this certification, participants will be able to:

- Design innovation systems that support new ideas and collaboration
- Use AI, data analytics, and digital tools to improve innovation outcomes
- Apply circular economy and sustainability concepts to innovation
- Use digital twins and Industry 5.0 principles to develop smarter processes
- Build business cases for innovation projects with financial and risk analysis
- Lead a culture of innovation across teams and departments

Course Content

Module 1: Innovation Strategy and Ecosystem Design

- Aligning innovation with company goals
- Building open innovation networks and partnerships
- Managing innovation processes using Lean or Stage-Gate models
- Encouraging a culture that supports new ideas and calculated risk-taking

Module 2: Using Data, AI, and Future Trends

- Using big data to find innovation opportunities
- Applying AI for product design, process improvement, and problem-solving
- Scanning technologies and trends to stay ahead of the market
- Building innovation roadmaps using scenario planning

Module 3: Sustainable Innovation and Circular Economy

- Designing processes and products for reuse, recycling, and energy efficiency
- Using bio-based and green chemistry solutions
- Applying life cycle and economic impact analysis to sustainable ideas
- Integrating ESG (Environmental, Social, Governance) in innovation goals

Module 4: Digital Tools for Innovation

- Using digital twins for testing and improving industrial systems
- Collecting real-time data using sensors and Industrial IoT
- Supporting decisions with AI and automation for safer, smarter processes

Module 5: From Innovation to Market

- Analyzing costs, benefits, and risks of new ideas
- Planning pilot projects and scaling up innovations
- Creating new business models and services
- Building partnerships and go-to-market strategies for new products

Certificate Accreditations

The Certificate **Certified Innovation Practitioner** course equips participants with key skills and knowledge for career success. It enhances credibility and provides insights into industry standards. Through theory and practical application, it prepares individuals for real-world challenges, offering expert instruction and networking opportunities.

This course will be accredited by one of the following organizations. Please contact us for more information.

Cambridge Training College Britain

INSTITUTE OF SUPPLY CHAIN MANAGEMENT MENA

IBIU UNIVERSITY



Contact Us:

+971 54 244 8677

info@gtidubai.com

www.gtidubai.com

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