



Digital Transformation and Innovation

Robotics, Artificial Intelligence and Workplace of the Future

Course Introduction

Artificial Intelligence, robotics, and automation has rapidly expanding foothold in the workplace, faster than many organizations ever expected. While organizations are increasingly using these technologies to automate existing processes, true pioneers are radically rethinking on work architecture to maximize the value of both humans and machines - creating new opportunities to organize the work more effectively and to redefine the human workforce's skills and careers.

This training course is designed to help participants gain awareness and have an in-depth knowledge and expertise in autonomous systems and different approaches to artificial intelligence and its impact on the development of organizations.

Target Audience

- Employees or professionals whose work interfaces with data analysis seeking to learn key concepts formulations, algorithms, and practical examples of what is possible in machine learning and artificial intelligence
- Managers who need the vision and understanding of the many opportunities, costs, and likely performance hurdles in predictive modeling, especially as they pertain to large amounts of textual (or similar) data

Learning Objectives

At the end of the training course, participants will be able to:

- Gain in-depth knowledge about the application of robotics and the workplace changes it will bring.
- Identify artificial intelligence applications in the workplace
- Understand the ethical challenges presented by the use of artificial intelligence
- Develop the skills, knowledge and practical experience required to work on cutting-edge technologies and applications such as robotics, autonomous systems, artificial intelligence and machine learning.

Course Outline

- **Day 01**

- **AI and its Application**

- AI Tasks: Problem Solving, search, knowledge and reasoning, decision making, learning, perception and communication
 - Robotics
 - Natural Language Processing
 - Computer Vision
 - AI in Robotics
 - Robotic Hardware
 - Robot Perceptions
 - Robotic Software Architectures
 - Application Domains

- **Day 02**

- **Introduction to the Rise of AI and Robotics**

- The Future of Work with AI and Robotics
 - AI and Robotics Powered Business Advisor
 - Economic Impact of AI and Robotics
 - Functional areas where AI and Robotics are mostly used

- **Day 03**

- **AI and Robotics in the Workplace**

- AI in the Human Resources
 - Automating HR HelpDesk with AI tools
 - Sales Acceleration Redefined: Automate your sales cycle with AI tools
 - Cobots
 - Chatbots

- Wearables and AI at work
- Gig Work
- **Day 04**
 - **Robotics, AI opportunity matrix**
 - Successful use cases by Porter's value chain
 - Primary activities: Inbound operations and outbound marketing and sales and service
 - Supporting activities: Admin and finance, HR, research and development, procurement
 - Successful use cases by technology
 - NLP
 - Image recognition
 - Machine learning
- **Day 05**
 - **Running successful AI projects**
 - Project process
 - Ideation & problem definition
 - Exploratory data analysis
 - Model development
 - Implementation
 - Skills and capabilities
 - Organizational changes
 - 10 pitfalls

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 28, 2025	May 2, 2025	5 days	4950.00 \$	England - London
May 11, 2025	May 15, 2025	5 days	4250.00 \$	Bahrain - Manama
Aug. 4, 2025	Aug. 8, 2025	5 days	4950.00 \$	Ireland - Galway
Oct. 27, 2025	Oct. 31, 2025	5 days	4250.00 \$	UAE - Dubai

FROM	TO	DURATION	FEES	LOCATION
Dec. 21, 2025	Dec. 25, 2025	5 days	2150.00 \$	Virtual - Online
June 29, 2025	July 3, 2025	5 days	4250.00 \$	Oman - Muscat