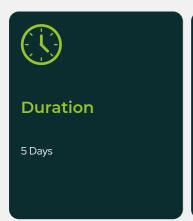


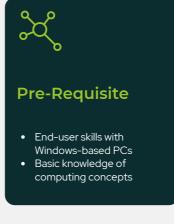
# INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)

In this course you will learn what Artificial Intelligence (AI) is, explore use cases and applications of AI, understand AI concepts and terms like machine learning, deep learning and neural networks. You will be exposed to various issues and concerns surrounding AI such as ethics and bias, & jobs, and get advice from experts about learning and starting a career in AI. You will also demonstrate AI in action with a mini project.

### **Course Details**









## **Course Objectives**

After completing this course, participants are expected to be able to:

- Describe what is AI, its applications, use cases, and how it is transforming our lives
- Explain terms like Machine Learning, Deep Learning, and Neural Networks
- Describe several issues and ethical concerns surrounding AI
- Articulate advice from experts about learning and starting a career in Al





## **Course Outline**

#### Lesson 1 - What is AI? Applications and Example of AI

- Introducing Al
- Generative AI Overview and Use Cases
- Impact and Examples of AI
- Some Applications of Al
- Famous applications of AI from IBM
- Generative AI Applications

#### Lesson 2 - Al Concepts, Terminology, and Application Areas

- Cognitive Computing (Perception, Learning, Reasoning)
- Terminology and Related Concepts
- Machine Learning
- Machine Learning Techniques and Training
- Deep Learning
- Neural Networks
- Key Fields of Application in Al
- Natural Language Processing, Speech, Computer Vision
- Self Driving Cars

#### **Lesson 3 - Al: Issues, Concerns and Ethical Considerations**

- Exploring Today's AI Concerns
- Exploring AI and Ethics
- Defining AI Ethics
- Understanding Bias and AI
- AI Ethics and Regulations
- AI Ethics, Governance, and ESG

#### Lesson 4 - The future with AI, and AI in action

- The evolution and future of AI
- Future with AI
- The AI Ladder The Journey for Adopting AI Successfully
- Advice for a career in Al

