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**Learning Style: On Demand**

**Technology: EC-Council**

**Difficulty: Beginner**

**Course Duration: 16 Hours**

# EC-Council AI Essentials (AIE)



## About This Course:

This course covers essential areas such as machine learning fundamentals, neural networks, natural language processing, generative AI, and prompt engineering. Learners also explore everyday AI use cases across industries along with key principles of responsible and ethical AI usage.

## What's Included:

- One-year access to the E-courseware
- One-year access to self-paced training videos

## Course Objectives:

- Understand core concepts of AI, machine learning, and deep learning
- Build and evaluate basic machine learning models
- Apply prompt engineering techniques for LLM-based applications
- Understand the AI development lifecycle from data to deployment
- Integrate AI models into real-world applications and workflows
- Work with foundational tools and frameworks used in AI engineering
- Recognize challenges in AI performance, bias, and model optimization
- Support development of scalable AI-driven solutions in organizations

## Audience:

- Beginners exploring Artificial Intelligence and Generative AI
- Students and fresh graduates entering the tech field
- Business professionals looking to understand AI-driven transformation

## Prerequisites:

- Basic understanding of IT concepts and software applications
- Familiarity with programming fundamentals (Python knowledge is helpful)

## Course Outline:

- Introduction to Artificial Intelligence
- Everyday AI Tools and Use Cases
- Building Blocks of AI

- Prompt Crafting for AI-Driven Interactions
- AI Ethics and Responsible AI