Artificial Intelligence

PRACTITIONERS COURSE

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Artificial Intelligence (AI) is the science behind systems that can program themselves to classify, predict, and recommend.

Businesses are using AI now more than ever before: AI is being scaled across industries at an enterprise level.

From banks that are training AI to empower their digital workforce, to telecommunication companies that are setting up smart chat bots to transform customer service, AI is paving the way from the global adoption of autonomous cars and used at the outer reaches of space exploration.

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About this course

This explores the topics, technology and skills required to gain practice in the successful application of AI techniques to address key industry problems.

AI Practitioners – Can contribute to the digital transformation of enterprises by leveraging their understanding on industry AI adoption patterns. Familiar with AI technologies such as natural language processing, machine learning, neural networks, virtual agents, and computer vision.

Audience

Individuals with an active interest in applying for entry level jobs to work in AI related fields

Prerequisite skills for this course:
- *Basic IT literacy skills*
- *Fundamental modern software concepts such as databases, parallel processing, searching, indexing*
- *Understanding that machine learning is not static programming*

Journey

🕐 75 hours

- **25% Concepts**
  Expanding the knowledge and understanding of the topic through lecture training, examples, videos and quizzes.

- **35% Technologies**
  Actual implementation of the concepts learned through simulations, hands-on labs and games.

- **40% Industry Use Cases**
  Realization of the real-world impact of the topics covered through the exposure to industry case studies.
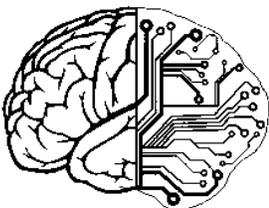
Objectives

- Understand the evolution and relevance of AI in the world today.

- Explore opportunities brought by the intersection between human expertise and machine learning.

- Analyze existing and future implementations of AI solutions across multiple industries including automotive, education, policy, social media, government, consumer, and others.

- Gain a competitive edge using low-code cloud-based AI tools and pre-built machine learning algorithms.

- Understand AI technology building blocks, including natural language processing, machine and deep learning, neural networks, virtual agents, autonomics and computer vision.

- Develop a deeper understanding of machine learning techniques and the algorithms that power those systems.

- Learn in-demand agile industry practices for Design Thinking and AI through an end-to-end industry use case experience.

- Engage in role-playing challenge-based scenarios to propose real-world solutions to different industries using AI and design thinking.

The strength of artificial intelligence lies in the data it interprets – and the humans who adapt that analysis into business requirements.

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