



CERTIFICATE IN AI TOOLS

 **Dates:** April 23, 25, 30, 2025 | May 2, 7, 9, 14, 16, 30 2025
from 5:30 pm till 8:30 pm

 **Number of Hours:** 25 hours

 **Fees:** 625\$

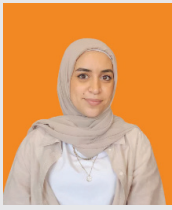
 **Modality:** Online on Zoom

**EARLY
BIRD
DISCOUNT**

490\$ before April 2nd, 2025

 **For Registration : click here**





Amanda Hachem

Amanda is a seasoned AI instructor and mentor with a strong multicultural background and a deep passion for sharing her knowledge in Artificial Intelligence and Data Science. She has an engineering background and has transitioned into a role where she combines her technical expertise with her teaching skills. She is known for creating engaging educational materials and delivering high-impact workshops and training programs. Amanda is an expert trainer at the Professional Training Center of USJ.



Soulayman Al-Abdallah

Soulayman is a Certified AI/DS Practitioner who has trained and mentored over 500 individuals in the MENA region in various areas such as Machine Learning (ML), Deep Learning (DL), Large Language Models (LLMs), Data Analytics (DA), and AI Innovation and Technology. His expertise has been sought by prestigious entities including: KSA SDAIA, KSA Ministry of Culture, and Microsoft UAE. Soulayman is an expert trainer at the Professional Training Center of USJ.



Jihad Ftouny

Jihad is a dedicated AI Instructor at ZAKA, where he specializes in teaching foundational concepts in artificial intelligence with a focus on computer vision and Large Language Models. With a Bachelor of Science in Computer Science, Jihad combines his technical expertise with practical applications to inspire his students, encouraging hands-on learning and problem-solving. He stays actively involved in the AI community, participating in various tech forums to keep abreast of the latest trends and technologies in AI. Jihad is an expert trainer at the Professional Training Center of USJ.


LEARNING OBJECTIVES:


- **Build Foundational AI Knowledge:** Equip participants with a solid understanding of AI principles and expose them to its diverse applications across various industries.
- **Utilize ChatGPT Effectively:** Enable learners to proficiently use ChatGPT for a range of purposes, from basic text generation to advanced data analysis, improving efficiency and productivity.
- **Master Visual and Audio AI Tools:** Develop the ability to create and manipulate visual content, including images and videos, as well as produce high-quality audio content using AI tools.
- **Foster Creative Problem-Solving Skills:** Cultivate innovative thinking and problem-solving abilities by leveraging AI technologies to address complex challenges.
- **Navigate AI Ethics and Future Trends:** Ensure participants understand the ethical considerations in AI usage and are prepared for future developments and trends in AI technology.


LEARNING OUTCOMES:


- Acquire foundational knowledge in AI principles and understand various domains of AI application.
- Master the utilization of ChatGPT for diverse purposes, progressing from basic to advanced techniques.
- Gain proficiency in visual synthesis for creating and manipulating images and videos with AI.
- Learn to craft audio content using AI tools, enhancing multimedia projects.
- Develop skills in creative problem-solving by leveraging AI technologies.
- Understand the implications of data usage, ethical considerations, and anticipate future trends in AI.

1. AI FUNDAMENTALS


-  a. Introduction to Artificial Intelligence
- b. A quick history of AI
- c. The Data Science Life cycle
- d. Generative AI


 Amanda Hachem


 23/4/2025


 5h30-8h30

2. DOMAINS OF AI


-  a. What is Machine Learning?
- b. Computer Vision
- c. Natural Language Processing


 Jihad Ftouny


 25/4/2025


 5h30-8h30

3. CHATGPT FUNDAMENTALS


-  a. Introduction to ChatGPT
- b. What are LLMs?
- c. How ChatGPT works
- d. Examples and Practical Uses
- e. ChatGPT & Personal Productivity


 Soulayman Al-Abdallah


 30/4/2025


 5h30-8h30

4. ADVANCED CHATGPT MASTERY


-  a. ChatGPT Plugins
- b. Custom GPTs
- c. Multimodal AI
- d. Data Analysis with ChatGPT
- e. Ethics & Future of ChatGPT

 Jihad Ftouny


 2/5/2025


 5h30-8h30

5. VISUAL SYNTHESIS: MASTERING AI FOR IMAGE & VIDEO GENERATION


-  a. What is image generation?
- b. Common Image Generation Tools
- c. Prompt engineering for image generation
- d. From images to videos
- e. Common video generation tools

 Jihad Ftouny


 7/5/2025


 5h30-8h30

6. CRAFTING AUDIO WITH AI

-  a. How Can AI Impact Audio?
- b. Automated Mixing
- c. Audio creation
- d. Audio Translation
- e. Voice Cloning
- f. Exploring the tools
- g. A spectrum of real-world applications

 Soulayman Al-Abdallah


 9/5/2025


 5h30-8h30

7. DATA, ETHICS, AND FUTURE OF AI


-  a. Data Essentials
- b. AI Challenges
- c. Data Scarcity
- d. Adversarial Attacks
- e. Fake News and Disinformation
- f. IP & Ownership
- g. Ethical Challenges

 Soulayman Al-Abdallah


 14/5/2025


 5h30-8h30

8. CREATIVE PROBLEM SOLVING WITH AI


-  a. AI Capabilities and Limitations
- b. Framework for applying AI in Problem Solving
- c. PROJECT: Build your AI Solution in 30 minutes


 Jihad Ftouny

 16/5/2025

 5h30-8h30

9. ASSESSMENT – ONLINE TEST

 30/5/2025

 5h30-6h30