Structuralia
Engineering eLearning

OAS | EDUCATIONAL PORTAL

Professional Mentoring Programs

ARTIFICIAL INTELLIGENCE (AI)

250€ ~~2.500€~~

250 hours 5 months

English language

Online methodology

Certified by:

Structuralia Engineering eLearning

Endorsed by:

OAS | EDUCATIONAL PORTAL

This program trains its students to understand the new needs that have arisen due to the boom we are experiencing in Artificial Intelligence. Technical knowledge is in high demand because of the need for specialists to work on AI projects developed internally by companies. The program focuses on introducing the main models and algorithms of Machine Learning and Deep Learning. Students can have any professional background as long as they have basic programming knowledge, as the program starts with the fundamentals of programming and statistics.

Professional Mentoring Programs offer specialized training in areas of particular interest in today's productive sector, aligning citizens' training with the real demands of the market. The goal is to strengthen the current capabilities of the participants and expand their skills and abilities to facilitate their access to the job market, the search for new employment, or the improvement of their current performance.

■ Program

MODULE I: INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)

Introduction to AI

Brief history of AI: from myth to reality

Key concepts, agents, and knowledge representation

Problem solving: automated reasoning and search

Automated learning: Supervised, unsupervised, reinforcement learning I

Automated learning: Supervised, unsupervised, reinforcement learning II

Big Data: Learning with Million data

Human-machine interaction: Artificial vision and natural language processing

The future of AI: Ethical issues and diversity

MODULE II: SELF-SERVICE DATA PREPARATION. EXCEL, TALEND AND TRIFACTA

Data preparation

Excel

Talend Data Preparation

Trifacta Wrangler

MODULE III: DATA MINING, MACHINE LEARNING AND DEEP LEARNING

Supervised learning (I)

Supervised learning (II)

Unsupervised learning

Deep learning

MODULE IV: ADVANCED DEEP LEARNING

Supervised Deep Learning (I)

Supervised Deep Learning (II)

Unsupervised Deep Learning (I)

Unsupervised Deep Learning (II)

MODULE V: POWER BI (ENGLISH)

Getting started

Data Modeling and DAX

Data Visualization

Taking it to the next level

Enroll here

The Educational Portal of the Americas has been working for over two decades to promote education for **comprehensive development**, reduce digital educational gaps, and cooperate with states to promote community progress. Our work has **facilitated the education of thousands of citizens** across the hemisphere through educational opportunities.

At Structuralia, we are experts in specialized online graduate education with over **20 years of experience in training STEM (Science, Technology, Engineering, Mathematics)** professionals. Since our foundation in 2001, we have supported more than 200.000 international students, mostly engineers, from up to 115 countries, to boost their professional careers.