isla
instituto politécnico de gestão e tecnologia

CTeSP | Curso Técnico Superior Profissional
Desenvolvimento de Aplicações de Inteligência Artificial

Direction
Jorge Manuel Pereira Duque

Number of Semesters

ECTS
120

Access Conditions

Candidates must pass one of the following Relevant Areas:

- Mathematics
- Computer Science
- Portuguese

About

The professional higher technical course is designed to teach students the ability to face the current challenges of the digital age. Combining knowledge of artificial intelligence with a solid background in the areas of design, design, planning, development, maintenance and optimization of software and information systems, integrating algorithms, developing them through programming languages, programming components, databases, software and metadata, considering the quality, optimization, efficiency, management, distribution and versioning of the designed products. Production of artifacts based on artificial intelligence, using machine learning.

Course Plan

Course Structure1º Ano / General pathCritical Thinking 3 ECTS | Introduction to Artificial Intelligence 6 ECTS | Oral and Written Expression Techniques 3 ECTS | Probabilities and Statistics 6 ECTS | Programming Fundamentals 6 ECTS | Technical English 6 ECTS | Algorithms and Data Structures 6 ECTS | Aprendizagem automática I 6 ECTS | Artificial Intelligence 6 ECTS | Databases 6 ECTS | Maths for Computing 6 ECTS | 2º Ano / General pathAdvanced Programming 6 ECTS | Aprendizagem automática II 6 ECTS | Artificial Intelligence Project 6 ECTS | Cybersecurity 6 ECTS | Data Science 6 ECTS | Traineeship 30 ECTS |