

Updated 03/15/2024

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Smart Contract training: Decentralized finance

1 day (7 hours)

Presentation

Smart Contract training will introduce you to this autonomously running computer program, based on the **Blockchain** network. This tool enables you to define an algorithm and application logic to enable the automation of financial and legal tasks.

In this course, you'll learn about all aspects of Smart Contract and their functionalities, with the aim of training you to develop a project while avoiding all the wrong reflexes.

You'll benefit from using Smart Contracts, as they guarantee total transparency of information, while securing your data. What's more, the cost is reduced by the absence of intermediaries.

Automated updates will make you more productive. Smarts Contracts are increasingly becoming an opportunity for companies and individuals alike.

Objectives

- Understanding aspects of Smarts Contracts
- Developing a Smart Contract project
- Know how to use Smart Contract creation tools

Target audience

All audiences.

Prerequisites

No prerequisites.

Smart Contract Training Program

Introduction

- What is a Smart Contract?
- The Smart Contract concept
 - Example of a sub-currency
 - Storage example
- Resources
- Advantages and disadvantages

Features

- Securing an agreement between two parties
- Reduce intermediate costs
- Automate payment and destroy the risk of non-payment
- Guaranteeing data immutability

How does it work?

- Determining the terms of the contract
- Transfer conditions to code
- Code storage in the blockchain network shared with participants
- Code execution by network computers

Useful tools for Smart Contracting

- Discover Smart Contract tools (Ethereum, Polkadot, Solidity)
- Tools overview
- Tool handling

Applications

- Safeguarding the effectiveness of contracts
- Building trust in retailer-supplier relationships
- Making international trade fast and efficient
- Monitoring the risk of faults
- Avoiding legal and moral problems

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.