



MASTER YOUR DIGITAL SKILLS

Introduction to Microcontrollers through Arduino

Data Analytics, data literacy & data driven decisions

Training provider's name



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COURSE OVERVIEW

Learn the basics of microcontrollers and start programming beginner circuits.



OUR GOALS

1. Provide participants with a foundational understanding of microcontrollers and their applications.
2. Introduce participants to basic coding concepts and techniques for programming microcontrollers.
3. Enable participants to create and manipulate circuits using microcontrollers.
4. Foster hands-on learning through the creation of small projects using Arduino and TinkerCad.

COURSE DESCRIPTION

Learning the basics of coding and circuit making through the creation of small projects. Through these projects the participants will create small projects and experience the creation of circuits managed by microcontrollers, see the different sensors and actuators that can be involved and how to program them. Online tools like TinkerCad can be used to offer the course in a blended mode or let the student work at home.

Unlock the exciting world of coding and electronics with hands-on microcontrollers!

In this course, you'll dive into the fundamentals of coding and circuit design by building engaging microcontroller projects. Through practical exercises, you'll:

- Master the basics of coding: Learn the essential concepts and commands to bring your projects to life.
- Craft your own circuits: Discover how to connect LEDs, sensors, and other components to your microcontroller.
- Program your creations: Write code that interacts with the physical world through your circuits.

The best part? You can join from anywhere!

All you need is a computer and internet connection. We'll use the user-friendly TinkerCad platform to build and simulate your projects online. For the more adventurous, you can also use your own single-board microcontrollers if you have them.

No prior experience necessary! This course is designed for beginners who are curious about coding and electronics. Dive in and unleash your creativity!

COURSE INFO

Location	Online – CSC Platform
Date	19.02.2024
Time	00:00
Duration	4 hours
Cost	Free



Aday Lopez

Computer scientist experienced in software development projects of every type, spending his later years specializing in web development and web oriented solutions, being part of experienced software development teams.

Now he works as a senior developer in 'Centro per lo sviluppo creativo Danilo Dolce', specialised in the development, improvement and deployment of different kind of websites and platforms, like e-learning, online communities and forums, fulfilling in that way the operational requirements through an analysis of the project-specified needs. Being involved in the whole process of a software project, gathering project requirements, designing, developing, refactoring and implementing code.





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