

Certificate

23-PLC411-0034

Mr. Danylo Podopryhora attended the interactive seminar:

MICROCONTROLLER PROGRAMMING BASIC LEVEL, PLC411

from 07 to 10 September 2026

The following topics were dealt with and successfully completed:

Microcontrollers and their types. Main areas of application.
Microcontroller programming languages.
Types of development environments for creating microcontroller control programs.
Introduction to IDE environments from various manufacturers.
First introduction to the CodeVisionAVR IDE.
CVAVR interface, menus, and windows.
New Project Wizard: creating a new project.
Project configuration and microcontroller selection.
Parameterization of microcontroller functions and properties.
AVR microcontroller programmers. Programming interfaces.
In-circuit programming. ISP interface.
Fundamentals of electrical engineering.
Proteus software for development and simulation.
Proteus interface, functions of windows and menus.
LED diodes, resistor, and Blinker—the first program.
Connecting various components to a microcontroller in the Proteus environment.
LED diodes, resistor, and Blinker—the first program.
The C/C++ programming language.
Basic C/C++ language operators.
Practical application of the C/C++ programming language.
Debugging program code in the Proteus environment.
Debugging program code on an experimental training stand.



Didactic Manager

DP "Festo"

Ievgen Ryzhenko



Certificate

23-PLC411-0035

Mr. Yevgen Storchak attended the interactive seminar:

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Mr. Bohdan Myhailov attended the interactive seminar:

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Mr. Bohdan Golovchenko attended the interactive seminar:

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23-PLC411-0038

Mr. Dmytro Veis attended the interactive seminar:

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