IoT workshop for .NET developers or connecting the world of microcontrollers with applications in.NETu

Course code: WAMAGBOX

The IoT phenomenon has progressed beyond its hype, making now the perfect time to dive in. Our workshop will demonstrate how to integrate your own electronic devices based on ESP32 chips with .NET applications. Under the expert guidance of Michal Altair Valášek, you will explore the intersection of microcontrollers and .NET applications. This workshop is ideal for .NET developers with little or no prior experience in electronics or microcontroller programming who want to bridge these areas and enhance their projects with IoT technologies.

Date: October 18, 2024
Location: Kodaňská 1441/46, 101 00 Prague

Price: CZK 4,990

What will you learn?
• Basics of Microcontroller Programming with ESP32: Learn visual programming with M5Flow and C programming via the Arduino IDE.

• .NET Communication with Microcontrollers and IoT: Master communication via REST API, serial port, and MQTT.

What's included?
• Development Kit: M5Stack CoreS3 ESP32S3 kit. No soldering or complex wiring required. This compact device includes a colour touchscreen, Wi-Fi, 30MP camera, speaker, battery, and various sensors. The ESP32 platform is widely used and affordable, with boards typically costing around a hundred CZK.

• Workshop Refreshments: Includes drinks, a light snack, and lunch.

What will you need?
• Your own laptop with the latest version of Visual Studio and the ability to install necessary development programs.

• Knowledge of ASP.NET Core programming.

• Basic experience with the Arduino IDE in C and electronics is a plus but not required. The instructor will cover essential details.