



Real-Time Operating Systems

As any other computer application, embedded systems must be tailored to the operating system they are running on. Furthermore the, usually quite specific, environment in which these systems will execute often require them to be adapted to their hardware environment.

ac6-training provides trainings to help you create embedded systems using a Real-Time Operating System (RTOS) but also to tailor this RTOS to your needs if you have to. **STG - STM32 + FreeRTOS + LwIP - 5 days - Inquiry**
This course introduces the IoT ecosystem, describe the most used IoT protocols (MQTT, CoAP, LoRaWAN, ZigBee, NB-IoT, LTE-M, LoRaWAN, Sigfox, etc.), explore particularly the CoAP and MQTT protocols, explain how to secure IoT devices and networks, IoT security attacks and security provisions at each level of stack (physical devices, communication systems and networks). The course explains how to configure a device with FreeRTOS, FreeRTOS and LwIP for a microcontroller-based IoT application. **Inquiry**
This course is designed to efficiently manage tasks in embedded applications. The Real-Time Operating System (RTOS) is designed to efficiently manage tasks in embedded applications. The Real-Time Operating System (RTOS) is designed to efficiently manage tasks in embedded applications. **Inquiry**
This course describes the design and implementation of real-time applications using FreeRTOS. It covers essential topics such as task scheduling and prioritization, real-time system middleware, developer tools, and understanding of real-time systems and programming concepts. It provides a solid foundation in FreeRTOS development, enabling participants to design and implement robust embedded applications. **Inquiry**
This course explores the Texas Instruments ARM Cortex M4F implementation and TI-RTOS real-time programming. **Inquiry**
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