

ARM-CORTEX M0 -training module.

This course is designed for engineers developing software for platforms based around the ARM Cortex-M0 processor. The course includes an introduction to the ARM product range and supporting IP, the Cortex-M0 core, programmers' model, instruction set and debug architecture and this course is designed for those who are designing applications based on ARM-Cortex processors.

This course focusses on more Hands on practical exercises so that engineers will build real time applications..

ARM Cortex-M0 Hardware/software development.

Modules:

- Introduction to the ARM Architecture
- Cortex-M0 Overview
- Keil MDK-ARM Introductory Workbook
- v6-M Programmer's Model
- CMSIS Overview
- v6-M Compiler Hints and Tips
- ARM Compiler Workbook
- v6-M Memory Model
- v6-M Exception Handling
- Embedded Software Development for Cortex-M Processors
- Embedded Software Development Workbook
- v6-M Linker and Libraries Hints and Tips
- Cortex-M0 Debug.
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Recommended Prerequisites:

- knowledge of embedded systems
- A basic awareness of ARM is useful but not essential
- Knowledge of programming in C

Course Materials:

Students will be provided with an electronic version of the slides used in class.