



AVR Microcontroller and Embedded Systems: Using Assembly and C

By Muhammad Ali Mazidi, Sarmad Naimi, Sepehr Naimi

Pearson Education Limited, United Kingdom, 2013. Paperback. Book Condition: New. 274 x 214 mm. Language: N/A. Brand New Book. For courses in Embedded System Design, Microcontroller s Software and Hardware, Microprocessor Interfacing, Microprocessor Assembly Language Programming, Peripheral Interfacing, Senior Project Design, Embedded System programming with C. The AVR Microcontroller and Embedded Systems: Using Assembly and C features a step-by-step approach in covering both Assembly and C language programming of the AVR family of Microcontrollers. It offers a systematic approach in programming and interfacing of the AVR with LCD, keyboard, ADC, DAC, Sensors, Serial Ports, Timers, DC and Stepper Motors, Opto-isolators, and RTC. Both Assembly and C languages are used in all the peripherals programming. In the first 6 chapters, Assembly language is used to cover the AVR architecture and starting with chapter 7, both Assembly and C languages are used to show the peripherals programming and interfacing.

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