

**The 8051  
Microcontroller**



**I. Scott MacKenzie**

# The 8051 Microcontroller Scott Mackenzie

**Puja Mehta**



## **The 8051 Microcontroller Scott Mackenzie :**

The 8051 Microcontroller I. Scott MacKenzie,1999 Well known in this discipline to be the most concise yet adequate treatment of the subject matter it provides just enough detail in a direct exposition of the 8051 microcontroller s internal hardware components This book provides an introduction to microcontrollers a hardware summary and an instruction set summary It covers timer operation serial port operation interrupt operation assembly language programming 8051 C programming program structure and design and tools and techniques for program development For microprocessor programmers electronic engineering specialist computer scientists or electrical engineers

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The Microcontroller Idea Book Jan Axelson,1997 A hands on introduction to microcontroller project design with dozens of example circuits and programs Presents practical designs for use in data loggers controllers and other small computer applications Example circuits and programs in the book are based on the popular 8052 BASIC microcontroller whose on chip BASIC programming language makes it easy to write run and test your programs With over 100 commands instructions and operators the BASIC 52 interpreter can do much more than other single chip BASICs Its abilities include floating point math string handling and special commands for storing programs in EPROM EEPROM or battery backed RAM

*Data Conversion Handbook* Walt Kester,Analog Devices, inc,2005 This comprehensive new handbook is a one stop engineering reference covering data converter fundamentals techniques and applications Beginning with the basic theoretical elements necessary for a complete understanding of data converters the book covers all the latest advances made in this changing field Details are provided on the design of high spec ADCs high accuracy DACs and ADCs sample and hold amplifiers voltage sources and current reference noise shaping coding sigma delta converters and much more

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*Hybrid Learning and Education* Fu Lee Wang, Joseph Fong, Liming Zhang, Victor K. S. Lee, 2009-08-04 This book constitutes the refereed proceedings of the second International Conference on Hybrid Learning ICHL 2009 held in Macau China in August 2009 The 38 revised full papers presented together with one keynote lecture were carefully reviewed and selected from 149 submissions The papers are organized in topical sections on interactive hybrid learning systems effective content development pedagogical and psychological issues outcome based teaching and learning student prospects improved flexibility of the learning process computer supported collaborative learning hybrid learning experiences practices borderless education digital library and content management organizational framework and institutional policy and learning theory

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