Embedded Systems By Rajkamal 2nd Edition Anbangore

The fourth edition of Embedded Systems takes a big leap from the fundamentals of hardware to Edge Computing, Embedded IoT & Embedded AI. The book discusses next generation embedded systems topics, such as embedded SoC, Exascale computing systems and embedded systems' tensor processing units. This thoroughly updated edition serves as a textbook for engineering students and reference book for students of software-training institutions and embedded-systems-design professionals. Salient Features: 1. New chapters on IoT system architecture and design & Embedded AI 2. Case studies, such as, of Automatic Chocolate Vending Machine and Automobile Cruise Control 3. Bloom's Taxonomy-based chapter structure 4. Rich Pedagogy o 1000+ Self-assessment questions o 150+ MCQs o 220+ Review questions o 200+ Practice exercises

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Mobile Computing provides a comprehensive coverage of both the communication and computing aspects. The student-friendly style, numerous illustrative examples and exercises for each topic discussed make the text ideal for classroom learningMobile Computing is designed to serve as a textbook for students in the disciplines of computer science and engineering, electronics and communication engineering, and information technology. It describes the basic concepts of mobile computing and provides technical information about the variousaspects of the subject as also the latest technologies that are currently in use. The first few chapters present a balanced view of mobile computing as well as mobile communication, including the 2G and 3G communication systems, mobile IP, and mobile TCP. The subsequent chapters provide a systematicexplanation of mobile computing as a discipline in itself. The book provides an in-depth coverage of databases in mobile systems, methods of data caching, dissemination and synchronization, Bluetooth, IrDA and ZigBee protocols, data security, mobile ad hoc and wireless sensor networks, andprogramming languages and operating systems for mobile computing devices. Written in an easy-to-understand and student-friendly manner, the book includes several illustrative examples and sample codes. A comprehensive set of exercises is included at the end of each chapter.

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This book prepares the students for system development using the 8051 as well as 68HC11, 80x96, ARM and PIC family microcontrollers. It provides a perfect blend of both hardware and software aspects of the subject.

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The book focuses on 8051 microcontrollers and prepares the students for system development using the 8051 as well as 68HC11, 80x96 and lately popular ARM family microcontrollers. A key feature is the clear explanation of the use of RTOS, software building blocks, interrupt handling mechanism, timers, IDE and interfacing circuits. Apart from the general architecture of the microcontrollers, it also covers programming, interfacing and system design aspects.

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This book comprehensively covers the three main areas of the subject: concepts, design and programming. Information on the applications of the embedded/real-time systems are woven into almost every aspect discussed which of course is inevitable. Hardware architecture and the various hardware platforms, design & development, operating systems, programming in Linux and RTLinux, navigation systems and protocol converter are discussed extensively. Special emphasis is given to embedded database and Java applications, and embedded software development. · Introduction to Embedded Systems· Architecture of Embedded Systems· Programming for Embedded Systems· The Process of Embedded System Development· Hardware Platforms· Communication Interfaces· Embedded/Real-Time Operating System Concepts· Overview of Embedded/Real-Time Operating Systems· Target Image Creation· Representative Embedded Systems· Programming in Linux· Programming in RTLinux· Development of Navigation System· Development of Protocol Converter· Embedded Database Application· Mobile Java Applications· Embedded Software Development on 89C51 Micro-Controller Platform· Embedded Software Development on AVR Micro-Controller Platform· Embedded Systems Applications Using Intel StrongARM Platform· Future Trends

??: Analog MOS integrated circuits for signal processing/Roubik Gregorian, Gabor C. Temes. -- Wiley, 1986

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Embedded SystemsArchitecture, Programming and DesignTata McGraw-Hill EducationEmbedded Systems - SoC, IoT, AI and Real-Time Systems | 4th EditionMcGraw-Hill Education

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??Holt,Rinchart and Winston 1983??????. -- ??: Modern digital and analog communication systems/B. P. Lathi