

Computer Architecture and Organization

By A.P. Godse, D.A. Godse

Technical Publications 0. Softcover, Book Condition: New, First edition. Introduction to Design Methodology Processor Basics Data path Design Control Design Memory Organization 1st editon, by Godse Introduction to Design Methodology : System design - System representation, Design process, The gate level (revision), The register level components and PLD (revision), Register level design. The processor level : Processor level components, Processor level design. Processor Basics : CPU organization - Fundamentals, Additional features. Data representation - Basic formats, Fixed point numbers, Floating point numbers. Instruction sets : Formats, Types, Programming considerations. Data path Design : Fixed point arithmetic -Addition and subtraction, Multiplication and division, Floating point arithmetic, Pipelining. Control Design : Basic concepts -Introduction, Hardwired control, Microprogrammed control -Introduction, Multiplier control unit, CPU control unit, Pipeline control - Instruction pipelines, Pipeline performance. Memory Organization : Multilevel memories, Address translation, Memory allocation, Caches - Main features, Address mapping, Structure vs performance System Organization : Communication methods - Basic concepts, Bus control. Introduction to 8085 Printed Pages: 648.



Reviews

This publication is great. I have study and that i am sure that i will planning to read once more again in the foreseeable future. You will like how the article writer write this publication. -- Dr. Uriel Kovacek

This created ebook is great. it was writtern very properly and useful. Its been printed in an exceedingly easy way in fact it is just right after i finished reading this pdf where basically modified me, alter the way i think. -- Aglae Becker