

MICROPROCESSOR AND ITS APPLICATION

1. What is Microprocessor ?

It is a program controlled semiconductor device (IC), which fetches, decode and executes instructions.

2. What are the basic units of a microprocessor ?

The basic units or blocks of a microprocessor are ALU, an array of registers and control unit.

3. what is Software and Hardware?

The Software is a set of instructions or commands needed for performing a specific task by a programmable device or a computing machine.

The Hardware refers to the components or devices used to form computing machine in which the software can be run and tested. Without software the Hardware is an idle machine.

Microprocessor And Its Applications Anna University

VM Jensen



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Fundamental of Microprocessors & its Application A.K.Chhabra, 2005 World first Microprocessor INTEL 4004 a 4 bit Microprocessor came in 1971 forming the series of first generation microprocessor Science then with more and advancement in technology there have been five Generations of Microprocessors However the 8085 an 8 bit Microprocessor is still the most popular Microprocessor The present book provided a simple explanation about the Microprocessor its programming and interfacing The book contains the description mainly of the 8 bit programmable Interrupt Interval Timer Counter 8253 Programmable communication Interface 8251 USART 8251A and INTEL 8212 8155 8256 8755 and 8279 Bulletin of the Institution of Engineers (India). Institution of Engineers (India), 1987 *IETE Technical Review* , 1990 Internet of Things: An Easy Hands-on Guide Dr. Veeranan Jeyalakshmi, 2023-09-11 Internet of Things refers to the connection of real world things around us with the internet The reason behind this IoT technology is to provide ubiquitous computing that is monitoring and control of anything anytime at anywhere To build successful IoT applications we are in need of certain layer wise communication knowledge about the technology Starting from the OSI physical layer till application layer the book describes each layer with its necessary applications The topics covered in this book are based on the curricula of engineering and science students who are in development as well as in research stage Several real time case studies are the added feature of this book for better understanding **The Cumulative Book Index** , 1979 A world list of books in the English language **Microprocessor and its Applications** R Theagarajan, 2004 The Book Is Aimed At Providing The Students A Detailed Knowledge Of Programming And Interfacing Of Intel 8085 And Peripherals It Is Intended For Students Of Electrical Electronics Engineering As Well As For Working Professionals Who Wish To Acquire Knowledge In This Area Apart From Providing The Necessary Theoretical Details Programming Examples Are Also Included For Most Of The Topics The Text Also Contains Details Of Many Microprocessor Applications So As To Orient The Reader To Design His Own Microprocessor Based Solutions For Practical Problems A Set Of Review Question Are Also Provided For Each Chapter *Microcomputer Applications* , 1982 *Introduction to Grid and Cloud Computing* Dr. R. Deepalakshmi, Dr. P. Alli, M. Shyni Beulah, 2017-01-01 This book deals with Anna University Regulation 2013 for the Syllabus CS 6703 Introduction to Grid and Cloud Computing There are Five units covered in this book Following are the unit plan of the book UNIT I INTRODUCTION Evolution of Distributed computing Scalable computing over the Internet Technologies for network based systems clusters of cooperative computers Grid computing Infrastructures cloud computing service oriented architecture Introduction to Grid Architecture and standards Elements of Grid Overview of Grid Architecture UNIT II GRID SERVICES Introduction to Open Grid Services Architecture OGSA Motivation Functionality Requirements Practical Detailed view of OGSA OGS Data intensive grid service models OGSA services UNIT III VIRTUALIZATION Cloud deployment models public private hybrid community Categories of cloud computing Everything as a service Infrastructure platform software Pros and Cons of cloud

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