Mindluster Platform

About the course Microprocessor and Microcontroller

Microprocessor and Microcontroller , in this course provides an in-depth understanding of microprocessors and microcontrollers, two essential components in modern computing systems. You will learn the key differences between these two technologies and explore their architecture, working principles, and applications. The course covers the basics of microprocessor operations, including instruction cycles, memory management, and I/O systems, along with an introduction to assembly language programming. It also delves into microcontrollers, focusing on their integrated components such as CPU, memory, and I/O peripherals. You'll learn how microcontrollers are used in embedded systems and gain hands-on experience in programming microcontrollers for real-world applications like automation, robotics, and consumer electronics. By the end of the course, youâ€™ll have a solid foundation in both microprocessors and microcontrollers, preparing you for work in embedded systems development and hardware design.

Computer Softwares Category's Courses

Course Lesson(17)

Lesson 1 : **Lec 1 Microprocessor and Microcontroller in Computer system**

Lesson 2 : **Microprocessor vs Microcontroller shorts ytshorts education electronic computer**

Lesson 3 : **Lec 2 Introduction to 8085 Microprocessor**

Lesson 4 : **Lec 3 8085 40 pin diagram External Architecture in Hindi**

Lesson 5 : **Lec 4 Internal Architecture of 8085 Microprocessor Working of 8085**

Lesson 6 : **Lec 5 Types of Registers in 8085 Accumulator General Purpose Register**

Lesson 7 : **Lec 6 Types of Flag Register in 8085 Microprocessor Auxiliary carry Parity Carry flag**

Lesson 8 : **Lec 7 Sign flag Zero Flag in 8085 Flag Register Microprocessor**

Lesson 9 : **Lec 8 Instruction in 8085 1B 2B 3B Instructions Opcode Operand Microprocessor**

Lesson 10 : **Lec 9 Branching in 8085 Microprocessor**

Lesson 11 : **Lec 10 Unconditional Branching in 8085 Microprocessor**

Lesson 12 : **Lec 11 Addressing modes in 8085 Microprocessor**

Lesson 13 : **Lec 12 Introduction to 8086 Microprocessor**

Lesson 14 : **Lec 13 Architecture of 8086 Microprocessor**

Lesson 15 : **Lec 14 Introduction to 8051 Microcontroller Basic Features Imp Points**

Lesson 16 : **40 Pin Diagram of 8051 Microcontroller shorts shortvideo ytshorts education**

Lesson 17 : **Conditional Branching in 8085 Branching in Microprocessor**

Related courses

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