Mindluster Platform

About the course Types of electronic sensors for beginners

Types of electronic sensors course, in this course explores the diverse world of sensors used to measure and respond to various environmental factors, such as temperature, light, pressure, and motion. Youâ€™ll start with an introduction to sensor fundamentals and learn how sensors convert physical quantities into electrical signals that can be read and analyzed. Each module covers specific sensor types, including temperature sensors (thermocouples, thermistors), light sensors (photodiodes, LDRs), pressure sensors, humidity sensors, proximity sensors, and gas detectors. Through detailed examples, youâ€™ll see how these sensors are applied in real-world contextsâ€”such as in consumer electronics, automotive systems, healthcare devices, and industrial automation. With hands-on exercises, youâ€™ll learn to interpret sensor data, integrate sensors with microcontrollers, and apply them in projects. By the end of the course, youâ€™ll have a solid understanding of various sensor types, their working principles, applications, and how they power modern technology in everything from smart homes to complex robotics.

Engineering Category's Courses

Course Lesson(26)

Lesson 1 : **PLC vs SCADA Difference between PLC and SCADA**

Lesson 2 : **Arduino IDE How To Install Arduino Ide on Any Windows And Get Started**

Lesson 3 : **Basic Electrical and Electronic Symbols**

Lesson 4 : **How to Download Install EasyEDA 2023 100 Free Fully Licensed Version**

Lesson 5 : **Comparison of Ethernet Cable CAT5 CAT6 CAT7 and CAT8 Types of LAN Cable**

Lesson 6 : **Temperature sensor type Types of Temperature Sensors**

Lesson 7 : **Top 10 Types of Electronic Sensors Types of Arduino Sensors**

Lesson 8 : **Colorful Schematic in Proteus 8 Proteus 8 9 Beginners Tutorial**

Lesson 9 : **How to Make Circuit in Proteus 8 with Animated Components**

Lesson 10 : **No Power Supply Specified Error Power Rail Configuration Proteus 8**

Lesson 11 : **How to Add Arduino Library in Proteus 8 100 Working**

Lesson 12 : **How to Design PCB in Proteus 8 Ares PCB Design Full Tutorial**

Lesson 13 : **No Libraries Found Proteus 8 100 Solved All Versions**

Lesson 14 : **Introduction to Proteus 8 9 Beginners Tutorial Proteus 8 9**

Lesson 15 : **How to Add New Component Library in Proteus 8 Direct Method**

Lesson 16 : **PIC 16F877A Timer tutorial Proteus Simulation C Code**

Lesson 17 : **PIC TIMER AND PIC COUNTER TUTORIAL PIC16F877A TIMERS**

Lesson 18 :

How to read write EEPROM PIC 16F877A Microcontroller EEPROM Basics Proteus simulation C Code

Lesson 19 : **LED Blinking with Button Using Arduino UNO Arduino Code Proteus simulation**

Lesson 20 : **Led Blinking using Arduino Complete Code Proteus Simulation**

Lesson 21 : **LM35 Temperature Sensor with PIC16F877A Digital Thermometer**

Lesson 22 : **PIC Microcontroller vs Arduino Arduino Beginner s Guide**

Lesson 23 :
Analog to Digital Converter ADC in PIC16F877A Microcontroller How to Read Analog Inputs

Lesson 24 : **Interfacing LCD with PIC16F877A Microcontroller Proteus Simulation**

Lesson 25 : **Reading Switch Digital Input Using PIC Microcontroller Switch Debounce Code**

Lesson 26 : **LED Blinking using PIC 16F877A Complete C code PICC Proteus Simulation**

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