Mindluster Platform

About the course Electrical earthing system fundamentals

Electrical earthing system course, in this course we will learn about the Electrical earthing system, its importance, and practical applications. Students will explore fundamental concepts, design principles, and implementation techniques to ensure electrical safety and system reliability. Key topics include the purpose and types of earthing systems, grounding and bonding methods, earthing in different electrical installations, and the impact of earthing on system performance. The course will also cover testing, maintenance, and troubleshooting of earthing systems, as well as compliance with international standards and best practices. Practical examples and case studies will enhance understanding and application in real-world scenarios.

Engineering Category's Courses

Course Lesson(194)

Lesson 1 : **Current Source vs Voltage Source Current Source Voltage Source**

Lesson 2 : **Electronics Projects â€“ Obstacle Avoiding Robot Using Ultrasonic Sensor Arduino**

Lesson 3 :
Series and Parallel Circuits Series VS Parallel Difference between Series and Parallel Circuits

Lesson 4 : **Power Factor Correction Power Factor Correction Methods Power Factor**

Lesson 5 :
Amplitude Modulation vs Frequency Modulation â”, AM vs FM â”, Difference Between AM and FM

Lesson 6 : **Conductors and Insulators â”,â”, Conductors vs Insulators**

Lesson 7 : **Speed Control of DC Motor DC Motor Speed control**

Lesson 8 : **Line Following Robot Arduino Line Following Robot Electronic Project**

Lesson 9 : **Speed Control of Induction Motor AC Motor Speed Control Methods**

Lesson 10 : **Single Phase vs Three Phase Difference Between Single Phase and Three Phase**

Lesson 11 : **Stator and Rotor Difference Between stator and Rotor**

Lesson 12 : **Electric Field vs Magnetic Field Differences between Electric and Magnetic Fields**

Lesson 13 : **Battery Level Indicator**

Lesson 14 :
Convert Old Charger into Emergency LED Light Emergency LED Light from Old Mobile Charger

Lesson 15 : **Star Connection vs Delta Connection Difference between Star and Delta Connection**

Lesson 16 : **Encoder What is an Encoder How does an Encoder Work**

Lesson 17 : **Types of Bearings Different Types of Bearings**

Lesson 18 : **Motor vs Engine Difference Between Engine and Motor**

Lesson 19 : **Electrical vs Electronics Difference Between Electrical and Electronics**

Lesson 20 : **Cell vs Battery Bifference between Cell and Battery Cell vs Battery**

Lesson 21 : **Types of Gear Different Types of Gear**

Lesson 22 : **Motor and Pump Difference between Pump and Motor Motor vs Pump**

Lesson 23 : **Neautral Wire vs Earth Wire Difference Between Neutral Wire and Earth Wire**

Lesson 24 : **What is MCB Advantages and Disadvantages of MCB**

Lesson 25 : **Eddy Current Eddy Current Definition**

Lesson 26 : **Eddy Current Loss vs Hysteresis Loss Hysteresis Loss and Eddy Current Loss**

Lesson 27 : **Thermocouple vs Thermistor Difference between Thermocouple and Thermistor**

Lesson 28 : **Thermocouple Types of Thermocouple Thermocouple Types**

Lesson 29 : **GSM vs CDMA Difference between CDMA and GSM**

Lesson 30 : **Armature Winding and Field Winding Difference between Armature and Field**

Lesson 31 : **Unboxing Silver Play Button Of Learning Engineering Thanks All Subscriber**

Lesson 32 : **IPS vs UPS Difference between IPS and UPS**

Lesson 33 : **What is DCS Distributed Control System DCS**

Lesson 34 : **Electrical Joints Types of Electrical Joints Proper Joint of Electric Wire**

Lesson 35 :
Synchronous Motor vs Induction Motor Difference Between Induction Motor and Synchronous Motor

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Electrical Measuring Instruments Testing Equipment Electrical Types of Electrical Meters

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Lesson 40 : **Types of Temperature Sensors Temperature Sensor Types**

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Lesson 43 : **Types of Bolts Types of Bolt Heads**

Lesson 44 : **Bearing Types Types of Bearings Classification of Bearings**

Lesson 45 : **Types of Nuts Hardware Different Types of Nuts**

Lesson 46 : **Washers Hardware Washer Types Types of washers**

Lesson 47 : **How To Connect IPS With Two Battery luminous nxg 1400 solar inverter**

Lesson 48 : **Transformer Types Types of Transformer Electrical Transformers Types**

Lesson 49 : **Pumps Types Types of Pump Classification of Pumps Different Types of Pump**

Lesson 50 : **How does a Transformer Work Working Principle of Transformer**

Lesson 51 : **Circuit Breaker Types of Circuit Breaker Different Types of Circuit Breakers**

Lesson 52 : **Circuit Breaker How does a Circuit Breaker Work**

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Lesson 54 : **Types of House Wiring Types of Electrical Wiring Electrical Wiring**

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Lesson 56 : **Switch types Types of Switches Types of Electrical Switches**

Lesson 57 : **Types of Electrical Switches Switch types Types of Switches**

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Lesson 60 : **Types of DC Motors Classification of DC Motors Motor Types**

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Lesson 64 : **DC Motor vs Stepper Motor Difference between DC Motor and Stepper Motor**

Lesson 65 : **Servo Motor vs Stepper Motor Â¦ Difference between Stepper Motor and Servo MotorÂ¦**

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Lesson 67 : **Why do You Get Electric Shocked Why Earthing is Required Electrical Earthing**

Lesson 68 : **Types of Earthing Different Types of Earthing System Methods of Earthing**

Lesson 69 : **Earthing Systems vs Electrical Grounding Difference between Earthing and Grounding**

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AC Servo Motor vs DC Servo Motor Difference between AC Servo Motor and DC Servo Motor

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Lesson 72 : **PLC vs SCADA Difference between PLC and SCADA**

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Lesson 74 : **ELCB vs RCCB Difference Between ELCB and RCCB**

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DC Current vs AC Current Â¦ Difference between Alternating Current and Direct CurrentÂ¦

Lesson 78 :
Wire vs cable Â¦ Difference between Wire and Cable Â¦ Drive by Wire vs Drive by Cable Â¦

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Lesson 80 : **Contactor vs Relay Difference between Relay and Contactor**

Lesson 81 : **Converter vs Inverter Difference between Converter and Inverter**

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Lesson 109 : **Types of Circuit Breaker Classification of Circuit Breaker Circuit Breaker**

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Lesson 111 : **Transformer Testing Transformer Testing and their Procedure**

Lesson 112 : **Short circuit or Full Load Test of Transformer Transformer Testing**

Lesson 113 : **Open circuit or No Load Test of Transformer Transformer Testing**

Lesson 114 : **Types of Power Plant Classification of Power Plants**

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Lesson 117 : **How Capacitors Work How does a capacitor work Capacitors Explained**

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Lesson 122 :
Regulator Connection With Ceiling Fan Fan Regulator Connection Electrical House Wiring

Lesson 123 :
2 pin 3 pin socket connection in switchboard House Wiring Switch Board Connection Diagram

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Electrical Switch Board Wiring Diagram Electrical Switch Board Connection House Wiring

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Lesson 190 : **Air Compressor Automatically ON OFF Connection With Pressure Switch**

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Lesson 193 : **Mercury Vapour Lamp Connection HPMV Lamp Connection Mercury Lamp Connection**

Lesson 194 : **Table Fan Wiring Connection Diagram**

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