

SELF-PACED

CERTIFICATE IN
FIELD TECHNICIAN
- OTHER HOME APPLIANCES



COURSE OVERVIEW

In this course, students will get a basic understanding of how home appliances work, the components of home appliances, and repair and replacement of home appliances.

COURSE OBJECTIVE

To make learners understand the basics of various home appliances to provide learners with insights and practical knowledge on how to do the repairing and testing of various electronic appliances.

SKILLS YOU WILL LEARN

Upon its completion, you'll learn, how to do the component assembling and repairing of appliance.

PROGRAM HIGHLIGHTS

Instructor- Mr. Parag Shrivastava

Duration- 17 Hrs

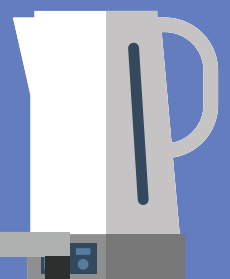
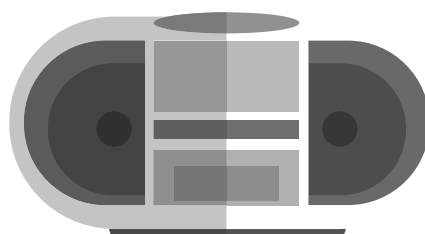
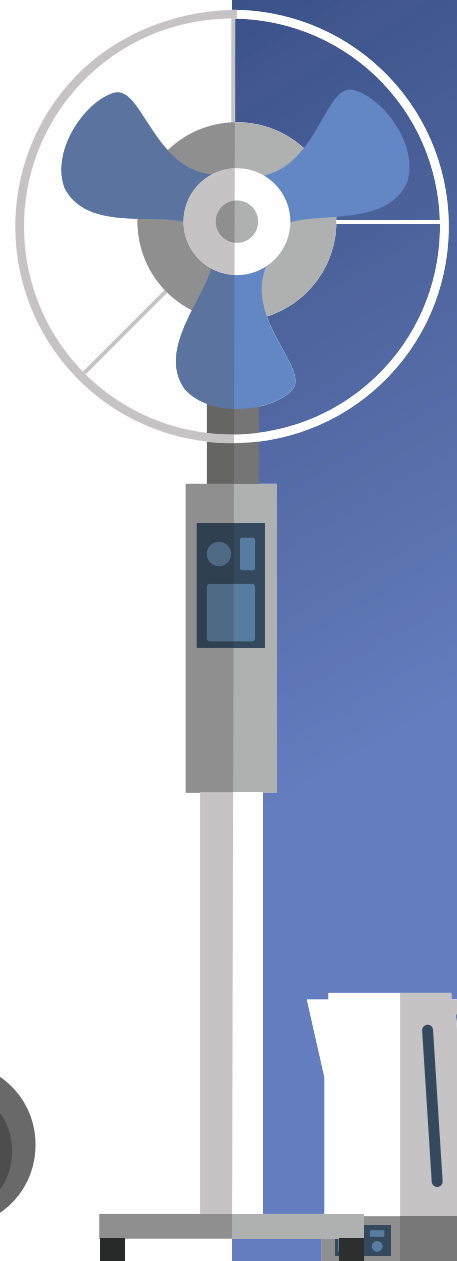
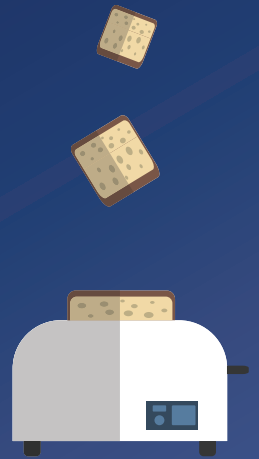
Eligibility- 10+2

No. of Sessions – 91

Placement training- N/A

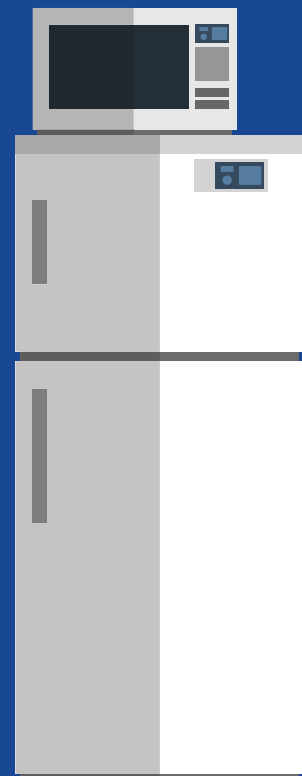
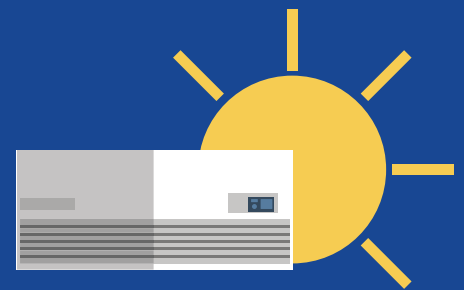
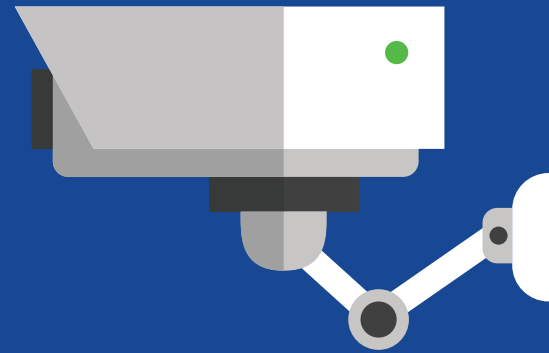
Language-Hinglish

Shareable certificate- Yes



CURRICULUM

Module 1	Fundamentals of Electricity
Session 1	Source of electricity
Session 2	Energy transformation
Session 3	Energy foundation
Session 4	Conductors and Insulators
Session 5	Types of electricity
Session 6	Electrical Parameter
Session 7	Voltage
Session 8	Electric Current
Session 9	Resistance
Session 10	Open and Closed circuit
Session 11	Active and Passive Components
Session 12	Series and Parallel Circuits
Session 13	Conductors and Insulators
Session 14	Types of electricity
Session 15	Electrical Parameter
Session 16	Voltage
Session 17	Electric Current
Session 18	Resistance
Session 19	Open and Closed circuit
Session 20	Active and Passive Components
Session 21	Series and Parallel Circuits
Session 22	Series and Parallel Circuits
Session 23	Concept of Electric Power
Session 24	Active Power, Reactive Power, Apparent Power
Session 25	Power Factor
Session 26	Ohm's Law
Session 27	Kirchoff's Law
Module 2	Electrical and Electronic Components
Session 1	Resistors
Session 2	Axial Resistor
Session 3	Surface Mount Resistor
Session 4	Capacitor
Session 5	Testing the Capacitor
Session 6	Inductor
Session 7	Testing the Inductor
Session 8	Semiconductor
Session 9	Types of Semiconductor
Session 10	Diode
Session 11	Testing the Diode
Session 12	Transistor
Session 13	Classification of Transistor
Session 14	Transformer
Session 15	Types and Parts of Transformer
Session 16	Integrated Circuit



Session 17 IC Datasheet
Session 18 Light Emitting Diode
Session 19 Test the LED

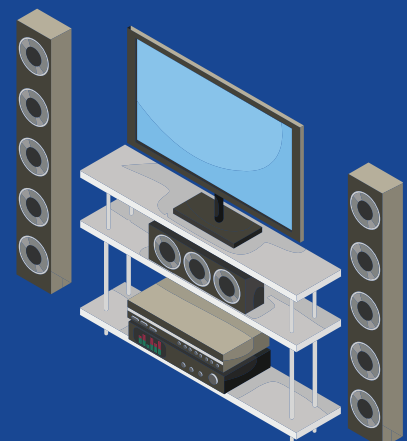
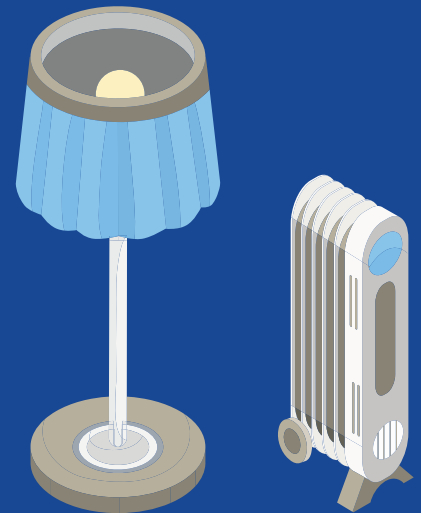
Module 3 Circuit Protection Device
Session 1 Overcurrent Protective
Session 2 Device
Session 3 Types of Overcurrent
Session 4 Protective Device
Session 5 Parts of the Overprotective
Session 6 Device
Session 7 Role of the Electric Motor
Session 8 Classification of an Electric Motor

Module 4 Tools and Equipment
Session 1 General Handheld Tools
Session 2 Electric Power Handheld Tools
Session 3 General Handheld Equipment
Session 4 Home Appliances Handheld Equipment

Module 5 Workplace Health and Safety Measures
Session 1 General Accidental Hazards
Session 2 Electric Power Specific Accidental Hazards
Session 3 General Rescue Operations
Session 4 Electric Power Specific Rescue
Session 5 General Accidental Hazards
Session 6 Electric Power Specific
Session 7 Accidental Hazards
Session 8 General Rescue Operations
Session 9 Electric Power Specific Rescue

Module 6 Engage with Customer for Service
Session 1 Interacting with the customer prior to the visit
Session 2 Interacting with the customer at the customer premises
Session 3 Suggesting possible solutions to customer
Session 4 Achieving productivity and quality

Module 7 Install the Water Purifier
Session 1 Visit and Interaction at Site
Session 2 Customer Awareness
Session 3 Transportation of appliance
Session 4 Unpacking of Appliance
Session 5 Drill and Purifier Fitting
Session 6 Purifier Connections
Session 7 Water Filter Alignment
Session 8 Educate the Customer
Session 9 Acknowledgement Form
Session 10 Job Card Maintenance
Session 11 Interaction Procedures with supervisor
Session 12 Work Report Generation



Session 13 Quality Check
Session 14 Production Check

Module 8 Repair Dysfunctional Water Purifier
Session 1 Symptoms Identification
Session 2 Fault Identification
Session 3 Repairing Procedure of faulty module
Session 4 Replacing Procedure of faulty module
Session 5 Functionality Check after Repair
Session 6 Functionality Check after Replacing
Session 7 Quality Check of Repair Part
Session 8 Productivity of Repair Part

Module 9 Repair Dysfunctional Mixer/Juicer/Grinder
Session 1 Symptoms
Session 2 Fault Identification
Session 3 Repairing Procedure
Session 4 Replacing Procedure
Session 5 Functionality Check
Session 6 Documental Procedure
Session 7 Quality Check of Repair Part
Session 8 Productivity Check of Repair Part

Module 10 Repair Dysfunctional Microwave Oven
Session 1 Symptoms and fault Identification
Session 2 Repairing Procedure
Session 3 Functionality Check
Session 4 Quality and productivity Check
Session 5 Symptoms and fault Identification
Session 6 Repairing Procedure
Session 7 Functionality Check
Session 8 Quality and productivity Check

Module 11 Interact with Colleagues
Session 1 Report Generation
Session 2 Feedback and Documentation
Session 3 Resolve Interpersonal Issues
Session 4 Depository of Tools and Faulty Module





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