

VOCATIONAL



B.S.D.E.T CERTIFICATE IN TWO-WHEELER SERVICING (CTWS)

- Fundamentals**
 - o Introduction
 - o Safety and First Aid
 - o Tools & Equipments (Demo)
 - o Fasteners
 - o Bearings (Demo)
- Working of Engine**
 - o Introduction
 - o Study of Engine Components
 - o Valve Operating Mechanism
- Engine System**
 - o Engine Breathing System
 - o Cooling System
 - o Lubrication System
 - o Fuel Supply System
 - o Ignition System
- Engine Support System**
 - o Clutch
 - o Gear Box
 - o Wheel, Tyre and Tube
 - o Suspension System
 - o Shock Absorber
 - o Brake System
- Auto Electricals**
 - o Basics of Auto Electricals

Duration-6 Months
Code-BSDET-VC-05

B.S.D.E.T CERTIFICATE IN FOUR WHEELER SERVICING (CFWS)

- Fundamentals**
 - o Introduction
 - o Safety and First Aid
 - o Tools & Equipments
 - o Fasteners
 - o Bearings
- Working of Engine**
 - o Introduction
 - o Study of Engine Components
 - o Valve Operating Mechanism
- Engine System**
 - o Engine Breathing System
 - o Cooling System
 - o Lubrication System
 - o Fuel Supply System in Petrol Engine
 - o Fuel Supply System in Diesel Engine
- Engine Support System**
 - o Clutch
 - o Gear Box
 - o Propeller shaft
 - o Differential
 - o Axle
 - o Wheel Tyre and Tube
 - o Suspension System
 - o Steering System
 - o Brake System
- Auto Electricals**
 - o Basic Electricity and Electronics
 - o Batteries
 - o Charging System
 - o Starting System
 - o Electrical Circuit Diagram and Wiring
 - o Dash Board Instruments and Equipment
 - o Entertainment System
 - o Theft Deterrent System
- Industrial Training & Industrial Visit (Training)**
 - o Student should perform on field training to develop their job skill (following are the areas where training can be done)
 - o Industrial Visit should be conducted in a Year

Duration-6 Months
Code-BSDET-VC-06

B.S.D.E.T DIPLOMA IN AUTOMOBILE ENGINEERING SERVICES (DAES)

- Fundamentals**
 - o Introduction
 - o Safety and First Aid
 - o Tools & Equipments
 - o Fasteners
 - o Bearings
- Working of Engine**
 - o Introduction
 - o Study of Engine Components
 - o Valve Operating Mechanism

Duration-12 Months
Code-BSDET-VC-08

- Engine System**
 - o Engine Breathing System
 - o Cooling System
 - o Lubrication System
 - o Fuel Supply System in Petrol Engine
 - o Fuel Supply System in Diesel Engine
- Engine Support System**
 - o Clutch
 - o Gear Box
 - o Propeller shaft
 - o Differential
 - o Axle
 - o Wheel Tyre and Tube
 - o Suspension System
 - o Steering System
 - o Brake System
 - o Modern Vehicles Automotive

- Electricals & Electronics**
 - o Basic Electricity and Electronics
 - o Battery
 - o Charging System
 - o Starting System
 - o Ignition System
 - o Electrical Circuit Diagram and Wiring
 - o Dash Board Instruments and Equipment
 - o Entertainment System
 - o Theft Deterrent System
- Air-conditioning in Automobiles Accident & Vehicle Inspection Immobilizer System Industrial Training & Industrial Visit (Training)**
 - o Student should perform on field training to develop their job skill (following are the areas where training can be done)
 - o Industrial Visit should be conducted in a Year

B.S.D.E.T DIPLOMA IN AIR-CONDITIONING & REFRIGERATION (DACR)

- Fundamental Study**
 - o Introduction
 - o Basic Science & Physics
 - o Tools and Measuring Instrument
 - o Basic Electricity and Electronics
- Air-conditioning & Refrigeration System Parts**
 - o Compressor
 - o Condenser
 - o Cooling Tower
 - o Refrigerant Control Device
 - o Evaporator
 - o System Support Accessories
 - o Refrigerant
 - o Lubrication
 - o Controlling Devices
- Refrigerator Machine**
 - o Insulation Property of Insulation
 - o Study of New Models of Refrigerator
- Air-conditioner Machine**
 - o Operation of Air-conditioner
 - o Car Air-conditioner
 - o Types of Air-conditioner Cooler & Deep Freezer Machine
 - o Water Cooler Bottle Cooler Ice-cube Maker and Deep Freezer
 - o Advance HV System

Duration-12 Months
Code-BSDET-VC-10

B.S.D.E.T CERTIFICATE IN AIR-CONDITIONING & REFRIGERATION (DACR)

- Electrical Wiring**
 - o Introduction
 - o Tools and Measuring Instruments
 - o Circuits
 - o Cells and Batteries
 - o Accessories
 - o ISI Safety
 - o Types of Wiring
- Electrician**
 - o Magnetism and Electromagnet
 - o D C Generator
 - o Alternator
 - o D C Motor
 - o A C Circuit
 - o Transformer
 - o Electrical Home Appliances

Duration-6 Months
Code-BSDET-VC-09

B.S.D.E.T CERTIFICATE IN ELECTRICAL WIREMANS TRADE & MOTOR REWINDING (CEWTMR)

- Electrical Wiring**
 - o Introduction
 - o Tools and Measuring Instruments
 - o Circuits
 - o Cells and Batteries
 - o Accessories
 - o ISI Safety
 - o Types of Wiring

Duration-6 Months
Code-BSDET-VC-07

- Electrician**
 - o Magnetism and Electromagnet
 - o D C Generator
 - o Alternator
 - o D C Motor
 - o A C Circuit
 - o Transformer
 - o Electrical Home Appliances
- Fundamentals of Motor Rewinding**
 - o Conductors and Insulators
 - o Winding Preparation
- Motor Winding**
 - o Motor Winding Diagrams
 - o Submersible Pump

B.S.D.E.T CERTIFICATE IN PANEL WIRING (CPW)

- Panel Board Selection & Installation**
 - o Introduction - Basic Electronics
 - o Cells and Batteries
 - o Transmission Distribution and Industrial
- Industrial Electrical Distribution**
 - o Industrial and multiphase power accessories
 - o Introduction to Panel Wiring System

Duration-6 Months
Code-BSDET-VC-12

B.S.D.E.T CERTIFICATE IN WASHING MACHINE REPAIR (CWMR)

- Basics of Electrical**
 - o Introduction
 - o Tools and Measuring Instruments
 - o Circuits
 - o Basic Electronics
 - o ISI Safety
- Washing Machine**
 - o Fundamentals
 - o Semiautomatic and fully automatic washing machines
- Customer Handling**
 - o Introduction to Work Environment
 - o 5 S s at workplace - sort, streamline, shine, standardize, sustain with safety and Security
 - o Safety & First Aid
 - o Customer Handling
 - o Types of Interaction

Duration-6 Months
Code-BSDET-VC-40

B.S.D.E.T CERTIFICATE IN MOTOR REWINDING (CMR)

- Fundamentals of Motor Rewinding**
 - o Conductors and Insulators
 - o Winding Preparation
- Motor Winding**
 - o Motor Winding Diagrams
 - o Submersible Pump

Duration-6 Months
Code-BSDET-VC-13

B.S.D.E.T DIPLOMA IN ELECTRICAL ENGINEERING SERVICES (DEES)

- Electrical Wiring**
 - o Introduction
 - o Tools and Measuring Instruments
 - o Circuits
 - o Cells and Batteries
 - o Accessories
 - o Basic Electronics
 - o ISI Safety
 - o Types of Wiring
- Electrician**
 - o Magnetism and Electromagnet
 - o D C Generator
 - o Alternator
 - o D C Motor
 - o A C Circuit
 - o Transformer
 - o Electrical Home Appliances
 - o Lift
- Washing Machine**
 - o Fundamentals
 - o Semiautomatic and fully automatic washing machines
- Fundamentals of Motor Rewinding**
 - o Conductors and Insulators
 - o Winding Preparation
- Motor Winding**
 - o Motor Winding Diagrams
 - o Drive System
 - o Submersible Pump
 - o Solar Light System
 - o Water Supply Pumping
- Introduction to Industrial Electricals**
 - o Fundamentals
 - o Industrial Wiring
- Transmission & Distribution System**
 - o Power Generation
 - o Power Transmission
 - o Safety and Statutory Regulations
 - o Load Dispatch and Communication

Duration-12 Months
Code-BSDET-VC-14

- o Power Distribution
- o Electrical Distribution
- o Distribution Sub-station
- o Distribution Metering

B.S.D.E.T CERTIFICATE IN TAILORING

- o Basic Tailoring

Duration-6 Months
Code-BSDET-VC-01

B.S.D.E.T DIPLOMA IN TAILORING

- o Basic Tailoring
- o DIPLOMA SYLLUBUS

Duration-12 Months
Code-BSDET-VC-02

B.S.D.E.T CERTIFICATE IN BEAUTICIAN

- o Concept of skin
- o Elementary concept of structure
- o Function of skin
- o Pedicure and Manicure
- o Bleach
- o Facial
- o Eyebrow
- o Ear ring application
- o Wax
- o Concept of hair and its structure
- o Pattern of hair and its type
- o Basic hair cutting
- o Application of henna
- o Hair color
- o Hair massage
- o Hair styling
- o Make up
- o Bridal make up

Duration-6 Months
Code-BSDET-VC-03

B.S.D.E.T DIPLOMA IN BEAUTICIAN

- o Concept of skin
- o Elementary concept of structure
- o Function of skin
- o Pedicure and Manicure
- o Bleach, Facial
- o Eyebrow
- o Ear ring application
- o Wax
- o Concept of hair and its structure
- o Pattern of hair and its type
- o Basic hair cutting
- o Application of henna
- o Hair color o Hair massage
- o Hair styling
- o Make up
- o Bridal make up
- o Hair spa
- o Hair highlighting
- o Permanent hair straitening
- o Wrinkle treatment
- o Acne treatment

Duration-12 Months
Code-BSDET-VC-04

BHARAT SKILL DEVELOPMENT EDUCATION & TRAINING

(An autonomous Organization under Govt. of West Bengal based on TR 1882 (Govt. of India) Associated with National Institution for Transforming India, NITI Aayog (Govt. of India) Dept. of Labour NCT Delhi (Govt. of India), C. R. Act- Ministry of Commerce & Industry (Govt. of India), Ministry of Small and Medlum Enterprises (Govt. of India), Certified by Central Vigilance Commssion and National Human Rights Commssion, Member of QCI(Quality Council of India)



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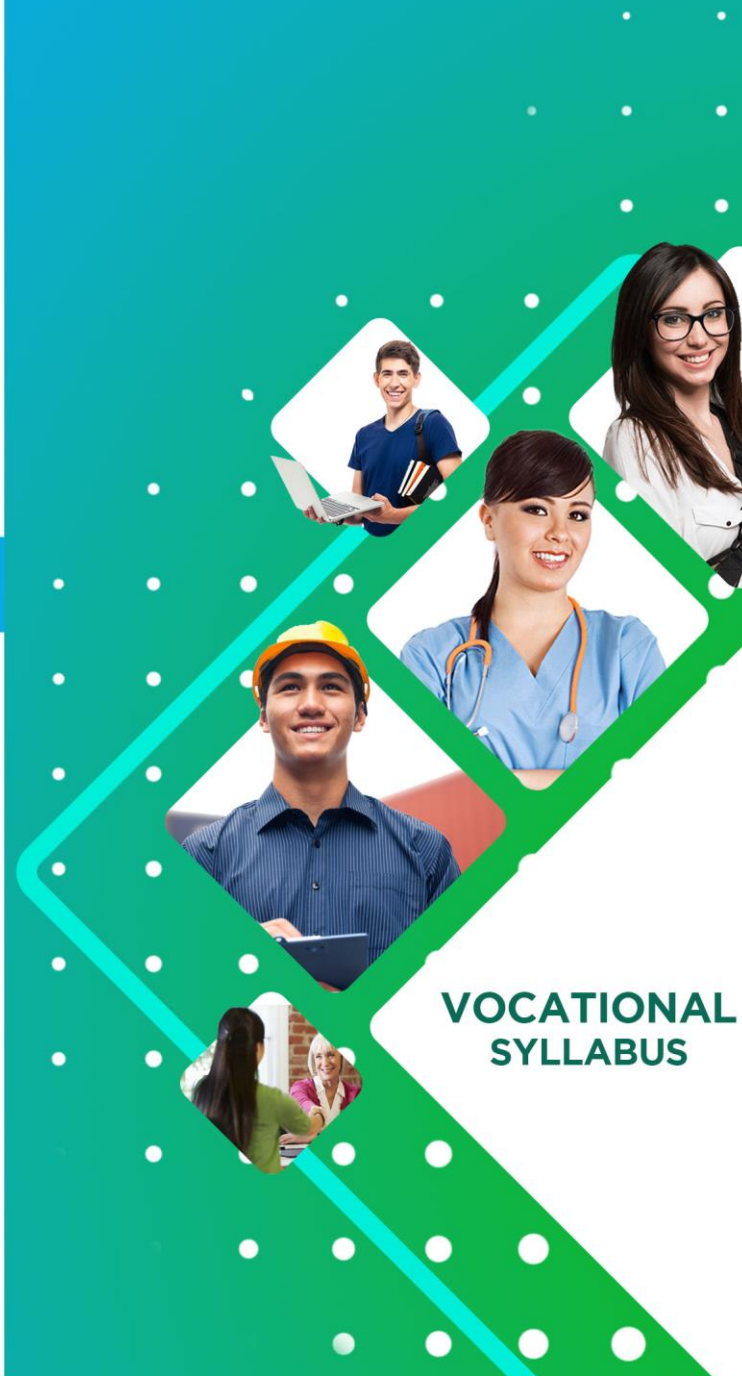
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BHARAT SKILL DEVELOPMENT EDUCATION & TRAINING

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VOCATIONAL SYLLABUS