



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**BOSCH**

# AVIT-BOSCH

## TRAINING CENTRE BROCHURE

### CENTRE OVERVIEW

Aarupadai Veedu Institute Of Technology and Bosch have come together to set up a state of the art Joint Certification Centre at AVIT premises to provide Automotive aftermarket Training. The Centre has been equipped with the latest Analyzers and Test/Work Benches and Auto Electrical strands. This Joint Certification Center aims to provide hands on experience for all its trainees on current technologies that are in use in the Industry.

#### VISION:

To be a center of excellence in Automotive Training by imparting relevant skills with state of the art equipments

#### MISSION:

Interact with all the stakeholders to design and deliver curriculum that is relevant to the industry. Provide students with Hands on exposure on technologies that bridge the industry academia gap.

## INFRASTRUCTURE IN THE TRAINING CENTRE

**Module-1 : Vehicle Air Conditioning System And Function.**

**Module-2 : Auto Electrical System (Starter, Alternator, And Battery).**

**Module-3 : Vehicle Diagnostics Basics And System Diagnostics.**

## IMPORTANT INFORMATION

- 1.Candidates are requested to make their own arrangement for boarding, lodging and transport.
- 2.If any assistance is required, candidates may approach the training center.
- 3.In order to maintain the quality of training the number of candidates for each course is restricted
- 4.Seats are reserved on a 'first-come-first-served' basis.
- 5.Photography is prohibited within the training premises.
- 6.Participants should not bring any storage device into the training Centre

## MODULE-1 : VEHICLE AIR CONDITIONING SYSTEM AND FUNCTION

**DURATION: One day**

**Course Fees – RS 1000**

### OBJECTIVE:

To develop competency in understanding the Bosch Auto Air-Conditioning systems and understand its working.

### PARTICIPANTS:

ITI, Diploma, Mechanical, Automobile Engineering students.

### COURSE CONTENT:

- Functioning of Air-conditioner and components such as switch, sensor, actuator motor & control unit.
- Testing of system and Refrigerant Charging on vehicle with help of ACS 651
- Practical Operation in vehicles which are equipped with the above mentioned system.



## MODULE-2 : AUTO ELECTRICAL SYSTEM

**DURATION: Two day**

**Course Fees – RS 2000**

### OBJECTIVE:

To understand the Bosch Auto Electrical Products and Test Equipment.

### PARTICIPANTS:

ITI, Diploma, Mechanical, Automobile Engineering students.

### COURSE CONTENT :

- Working Principle, Dismantling, Assembling & Testing of Bosch Auto Electrical Products like Starter motor & Alternator using AEL test Bench.
- Bosch Batteries - Construction and Working Principle, Features, Advantage and benefits, Product range, charging & Testing using BAT 131.



## MODULE-3 : VEHICLE DIAGNOSTICS BASICS AND SYSTEM DIAGNOSTICS

**DURATION: Three day**

**Course Fees – RS3000**

### OBJECTIVE:

To provide competent learning and thereby diagnose problem of the sensors in the Engine and Vehicle operating systems and also understand its working.

### PARTICIPANTS:

ITI, Diploma, Mechanical, Automobile Engineering students.

### COURSE CONTENT :

- Working Principle & Testing of sensors and Actuators in MPFI (Gasoline) Engine using KTS 590.
- Working Principle & Testing of sensors and Actuators in CRDi (Diesel) Engine using KTS 590.
- Working Principle & Testing of sensors and Actuators in Vehicle Applications.
- Practical Operation in Vehicles which are equipped with the above mentioned systems.



For additional information: Please Contact: AVIT-Bosch Training Centre,

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