



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



BOSCH

CENTRE FOR BOSCH AUTOMOTIVE RESEARCH

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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