



**AARUPADAI VEEDU
INSTITUTE OF TECHNOLOGY**
OMR, PAIYANOR, CHENNAI - 603104



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)

DEPARTMENT OF MECHANICAL ENGINEERING

AVIT-BOSCH JCC

FIVE DAYS TRAINING PROGRAM on Starter Motor, Alternator, Vehicle Air-conditioning and Basic Vehicle Diagnostics Using KTS 590 & ES[tronic]

BOSCH JCC in association with Mechanical Department, AVIT has organized a Five days Training Program from 8th to 12th April 2019. The training was conducted for Automobile Engineering students of AVIT, around 33 students participated in the training. **Prof. P. Rajasekaran ,VP, Administration,** AVIT welcomed the chief guest and presided over the event. **Prof. L. Prabhu,** Head of the Department, Mechanical Engineering introduced the chief guest and stressed the importance of the training and explained about the current trends & opportunities in automobile Industry. The Expert Mr. Sreejith Prakash, Trainer, BOSCH explained about the Engine Management system.

The FIVE DAYS TRAINING PROGRAM gave an wonderful opportunity for the students to gain knowledge in the automotive topics related to their stream and also in the design thinking approach in engineering problems relating to the industry.

(Electrical Bench, A/C machine and Diagnostic Scanner).

The following concepts were explained.

- Day 1 : INTRODUCTION TO BOSCH IN ENGINE MANAGEMENT SYSTEM
Introduction To ECU, Sensors & Actuator
- Day 2 : PRACTICAL TRAINING ON SENSOR TESTING
 - Crankshaft Position Sensor
 - Camshaft Sensor
 - Mass Air Flow Sensor
 - Pressure Sensor
 - Engine Coolant Temperature Sensor
 - Hot Film Temperature Sensor

Distributor Sensor

Throttle Position Sensor

- Day 3 :AUTO ELECTRICAL TEST BENCH
- Day 4 :A/C RECOVERY, EVACUATION AND RECYCLING MACHINE
- Day 5 :DIAGNOSTIC SCANNER



