



HINDUSTAN

INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL SCIENCES
DEPARTMENT OF AUTOMOBILE ENGINEERING
Centre for Automotive Electronics



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About Centre

The Centre for Automotive Electronics (CAE) is established under School of Mechanical Science at Hindustan University with the objective of augmentation of research in current trends in Automotive Electronics as well as to inculcate a research culture among the students and faculty of the university. This Centre was inaugurated by **Dr. Berndt A. Buchmann**, Director, Volkswagen Group after sales and Vehicle Logistics and **Dr. Elizabeth Verghese**, Chancellor, Hindustan University. In the presence of **Dr. Anand Jacob Verghese** Pro-Chancellor, **Mr. Ashok Verghese**, **Dr. S. Ramachandran**, Vice Chancellor, Hindustan University on 03 October 2015.

- To develop innovative products, patents and intellectual property in Automotive Embedded System
- To Nurture Human Resources having expertise and advanced knowledge in Automotive Technology
- To strengthen research network and dissemination of information nationally and on the international platform

MoUs

Center for Automotive Electronics, Hindustan University and Volkswagen Group Sales India Pvt. Ltd. has signed MoU to offer one-year **Advanced Diploma Programs in Autotronics**. This program focuses in imparting hands-on training in the field of Automotive Systems and Automotive Electronics.

VOLKSWAGEN
GROUP SALES INDIA PRIVATE LIMITED



MOU Signed on 14-Dec-2014

Center for automotive electronics, Hindustan University and Bosch Limited (India) has signed MoU to offer joint certificate courses on automotive aftermarket Technology under Bosch - HITS Joint Training Centre.



Centre offers:



Advanced Diploma programs in Autotronics

The Center for Automotive Electronics, Hindustan University and Volkswagen Group Sales India Pvt. Ltd. has jointly introduced the Advanced Diploma Programs in Autotronics. This Program focuses in imparting hands-on training in the field of Automotive Systems and Automotive Electronics. This course consists of the following four modules.

- Fundamental of Automotive System
- Mechanical System
- Electrical and Electronics
- Vehicle Networks & System Integration

Highlights: Six weeks Dealership orientation at Sundaram Motors, Abra Motors and Kun Motors Chennai.

Duration of course: 1 Year

Course Fee: Rs. 1,25,000 / Student

Eligibility Criteria:

- Candidate who has passed - Diploma or Degree in Mechanical / Automobile / Electronics/Instrumentation / Electrical Engineering or in allied branches are eligible for admission to this course.

Centre offers



Bosch - HITS joint Training Centre
Short Term Joint Certificate Programs on Automotive Aftermarket
Technology

Center for automotive electronics, Hindustan University and Bosch Limited (India) has signed MoU to offer joint certificate courses on automotive aftermarket Technology under Bosch - HITS joint Training Centre.

This Bosch - HITS joint Training Centre has established to Prepare students for industry-oriented learning through Bosch automotive training programs with assessment. This JTC Helps to bridge the gap between Industry & Institution on expected skill level.

Course Code	Course Title	Duration (Days)	Training Fee (INR)/ Participant
VD	Vehicle Diagnostics	2 Days	2500.00
HVAC	Vehicle Air-condition Systems	2 Days	2500.00
AE	Automotive Electrical	2 Days	2500.00
AB	Automotive Battery	1 Day	1500.00

TARGET BENEFICIARIES:

- Students from Automobile, Mechanical, ECE, EIE, EEE and Mechatronic Engineering

- Engineering students from other Institution for Service Technician Training
- Entrepreneurship training for the students wants to become entrepreneur in Auto service industry.



Certificate Short Term Courses

To produce highly motivated engineers with technical, practical skills to enhance in this automotive field. The center offering following certificate short term courses for engineering students and industry person.

- Vehicle Powertrain systems & OBD
- Vehicle Electrical system & OBD
- Vehicle Electronic System & OBD

Course Duration: 100 Hrs. (30Hrs Lecture +70 Hrs. Practical)/ Two Weeks

Time: 4:30 pm – 6:30 pm (working days) & 9:30 am to 1.00 pm (Saturdays)

Course Fee: Rs. 15,000/ Module (HITS Students)

Rs. 17,500/ Module (Industry Person & other college students)

Commencement of Course: Second Week of September 2016

Eligibility Criteria for Students:

3 & 4th year's students of BE/B.Tech Auto/Mech/EIE/ECE/EEE

3rd years students of Diploma Auto/Mech/EIE/ECE/EEE

Centre Facilities:

This Centre is aimed to fully grasp the fundamental key technology such as Sensor, Actuators, Integrated Circuits and Core Technology such as Embedded Real Time Operating System and its Standard Architecture. The center is offering following laboratory facilities to Researcher and Trainers.

- International Standard Laboratory Equipment
- Hands on training on VW-Vehicle Jetta
- More than 500 self-study materials
- 50 Computer based video lecture
- Trained Trainer by Volkswagen Group Academy
- Air-conditioned class room with ICT facility
- Worksheet based training
- Certificate from Volkswagen's Authorized Training Centre

Special Tools & Equipment

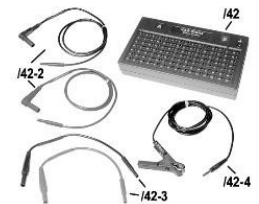
VAS6356 Test Instrument Box

ECUTest Box

Electronics Work bench

Power steering & ABS

VAS6150C Diagnosis System



Training Vehicle-VW Jetta

VAS6415 A/C Service Station

VW-Engine & Transmission

Wheel Balancer & Alignment





AEE Test Bench



Diagnostic KTS590



Battery Tester



Battery Load Tester



Battery Charger



Starter & Alternator



Training Vehicle

Placement Profile

2015-2016



V. BALAMURUGAN
Porsche Centre Gurgaon
Graduate Engineer-Trainee



GODFREY JISHORE D



KOUSHAL KUMAR D

Porsche Centre Gurgaon
Graduate Engineer-Trainee



ARAVIND



BENTLEY



BENTLEY



RAKESH.S

Bentley Graduate Engineer-Trainee



Volkswagen. Das Auto.

Graduate Engineer-Trainee



HARSHAVARDHANAN
Kun Madras



MONISH KANNAN.R



HARIPRASANTH .M



GOGULA KRISHANN P



NAVEEN KUMAR



INFANT CLEITUS
Abra Motors

Sundaram Motors
Graduate Engineer-Trainee

Program/Events Organized:

2nd Graduation Ceremony -Advanced Diploma in Autotronics (Full Time & Part Time)on 14th December 2018 @ Good shepherd hall, HITS.



- 3 Days FDP on Automotive Electronics and Diagnosis on 12th – 14th July 2017



- 3 Days Auto Doctor – know your vehicle health campaign on 6th - 8th December 2017



Faculty



Dr.M. Jaikumar

Head, Centre for Automotive Electronics

Specialization: IC Engine, ASA



Dr.T. Shanmuganathan

Assistant Professor (SS)& Faculty in charge-CAE,

Specialization: VLSI & Automotive Electronics

Contact

For information,

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