

GKM COLLEGE OF ENGINEERING & TECHNOLOGY, CHENNAI – 600 063.

(An ISO 9001:2008 Certified, NBA, NAAC 'A' Grade & IAO Accredited Institution)

DEPARTMENT OF AUTOMOBILE ENGINEERING

THE DEPARTMENT WAS ESTABLISHED IN THE YEAR 2011-12

COURSES OFFERED



**B.E Automobile
Engineering**

(Duration: 4 Years)

ABOUT THE DEPARTMENT

- The department is actively involved in teaching and research in the areas of Alternate fuels, Chassis Design, Engine Electronics and related areas.
- The laboratories are well equipped with advanced research facilities that fulfill the needs of the students and research scholars.

HIGHLIGHTS OF THE DEPARTMENT



**Advanced IC Engine Test Facility for
Students & Research Scholars**

LAB FACILITIES

The Department has well equipped laboratories to train the students in the areas of automobile design, servicing & repair and fault diagnosis of automotive engines.



VEHICLE MAINTENANCE & RECONDITIONING LAB



AUTOMOTIVE COMPONENTS LAB



FUELS & LUBRICANTS LAB



IC ENGINES & EMISSION TESTING LAB

INTERNSHIP / IN-PLANT TRAINING

To enhance the practical skills, in-plant training and Internship training is provided to our students during their course by

- | | |
|---------------------|------------------|
| Ashok Leyland | Ford India Ltd |
| Brakes India Ltd | Swaraj Mazda Ltd |
| ICF | MTC |
| Mahindra & Mahindra | Royal Enfield |
| Lucas TVS | Delphi TVS |

INDUSTRIAL VISITS

Industrial visits has been arranged for the students to various companies.

- Ashok Leyland
- Delphi TVS
- ICF

PLACEMENTS

More than 80% of eligible students were placed in the major Automotive Industries.



AUTOMOTIVE ELECTRICAL & ELECTRONICS LAB



TWO & THREE WHEELERS LAB



- RANE TRW Steering Systems.
- Maruthi Suzuki
- Swaraj Mazda
- Harvest International Features

ABOUT FACULTY

- The dedicated faculty members of the department have expertise in various core areas such as Alternate fuels, IC Engine combustion, Chassis design and Vehicle Aerodynamics.
- The faculties are actively participating in various research activities so as to enhance their knowledge and skills in multidisciplinary fields.
- Faculties have published 25 national and 5 international papers in reputed journals and conferences.

ACADEMIC ACTIVITIES OF STUDENTS



CO-CURRICULAR ACTIVITIES

- The department is actively involved in conducting Guest lectures and Workshops with the interaction of experts from various industries and institutions.
- The students and staff has membership in professional societies like SAE INDIA, ISTE, etc.

SAEINDIA
SOUTHERN SECTION



- Our students are actively participating in various symposiums conducted by other institutions and won many prizes.

SCOPE OF AUTOMOBILE ENGINEERING

As automobile industry is showing rapid growth in India, the country becomes a house to numerous well-established automobile companies. They offer excellent job opportunities to develop a career in Automobile Industry.

- Some of the popular car-producing companies that offer jobs in the automobile industry are Suzuki, Toyota, Tata, Fiat, Honda, Mahindra & Mahindra, Ford, Hyundai and Skoda.
- Manufacturing of two-wheelers is dominated by the companies TVS, Bajaj Auto, LML, Kinetic, Yamaha and Hero Honda.
- The tractors are manufactured by the popular companies like TAFE, Escorts, L&T, Mahindra & Mahindra, Punjab Tractors, John-Deere, New Holland and ITL-Renault.