

Advanced Diploma in Automotive Mechatronics (ADAM) Course at Centre for Automotive Mechatronics, KIET Group of Institutions

New vocational training program that aims to develop skilled automotive professionals proficient in high-end car and latest technology.



Brief introduction about the KIET Group of Institutions

Accredited by NAAC with "A" grade, KIET Group of Institutions is one of the top Autonomous Private Engineering Colleges in Delhi-NCR. NBA accreditation of all of its eligible courses add to the credibility of the institute. It is affiliated to Dr. A.P.J Abdul Kalam Technical University, Lucknow. KIET offers UG & PG courses in four disciplines i.e. Engineering, MBA, MCA & Pharmacy. With the glorious legacy of 25 years, the Institute now has 7500+ students and is empowered with 350+ highly qualified full-time faculty to nurture our students. Institute credentials & Centres of Excellence can be viewed @ our website www.kiet.edu.



Awards and recognition, commitment to the academic excellence.

- Accredited by NAAC with Grade "A+" for 5 years (Till 2027)
- All eligible programs are NBA Accredited
- NIRF (2024): 151-200 Rank Band (Engineering)
Rank : 77 (Pharmacy), 11-50 Rank Band (Innovation)
- QS I-GAUGE - 'Diamond' College Rating (February 21, 2022- February 21, 2024)

Course overview

This Advanced Diploma in Automotive Mechatronics is a specialized vocational training program offered jointly by Mercedes-Benz Academy, India, and KIET Group of Institutions. It is designed to meet the growing demand for skilled automotive professionals and equips aspiring engineers with the latest world-class automotive technology skills. This course focuses on developing multidisciplinary competencies to navigate modern automotive technology challenges which addresses industry's demand for skilled professionals. Additionally, it emphasizes on the development of essential soft skills, particularly in thorough communication, crucial for successful interaction within the automotive industry.

Course highlights:

- Comprehensive vocational training program focusing on advanced automotive technology.
- Curriculum developed and overseen by Mercedes-Benz Academy, ensuring industry relevance.
- Hands-on learning with state-of-the-art tools and equipment.
- Small class sizes fostering personalized attention and collaborative learning.
- Emphasis on practical skill development through workshop modules.
- Opportunities for final assessment and certifications by industry experts
- Interactive sessions including group discussions, presentations, and debates on automotive technologies.
- Integration of computer-based training materials and technical information.
- Pathways to employment within Mercedes-Benz network and leading automotive OEMs.



CURRICULUM HIGHLIGHTS

This training encourages self-reliance, where trainers facilitate students' learning by guiding them towards solutions rather than providing ready-made answers. Unlike traditional classrooms, this approach enhances independent problem-solving skills.

ADAM emphasizes practical learning, where students engage hands on with cars, engines, transmissions, and other automotive components. This hands-on approach is central to the course's methodology.



Learning outcome:

- Remove & install components of a car.
- Measure mechanical, electrical and electronics parameters for systems and components used in a car
- Carry out PDI (Pre-Delivery Inspection) and Maintenance of a car.
- Read and interpret the wiring diagrams of vehicle systems.
- Use modern diagnostic equipment.
- Diagnose various faults and rectify the same.
- Communicate with customers and others for technical issues on the vehicle.



Admission process:

Admission to the ADAM course is based on entrance tests, which candidates must pass to be eligible.

The entrance test comprises three parts:

- 1. Written Test (Total 125 Marks)**
- 2. Practical Test (100 Marks, Optional)**
- 3. Personal Interview: Mandatory**

Application is based on test scores, with the top candidates advancing through each stage:

- Typically, the top 60 out of over 60 candidates will take the practical test.
- The top 30 from the practical test will be interviewed.
- The top 20 from the interview will be admitted.

Degree or diploma marks are not considered.

Practical sessions during the course include:

- Hands-on experience working with modern cars and their components.
- Practical exercises involve dismantling and assembling major components like modern engines and gearboxes. These tasks take place in well-equipped electric and electronic labs and workshops.
- Engage in assembling and disassembling various components, gaining an understanding of their functions and performance. Get assessed on the overall performance of vehicle systems.
- Exercises are designed around real-time issues, focusing on diagnosing faults. For example, learners prepare a working vehicle system by installing faulty parts and then diagnose and correct the issue using efficient diagnostic strategies and available literature.
- Learn to use specialized and general tools and workshop equipment effectively.
- Utilize online documentation and workshop manuals (WIS) throughout the learning process.
- Gain exposure to computerized diagnostic units, such as the Xentry Unit, enhancing their diagnostic skills in modern automotive technologies.

ADMISSION INFORMATION

Eligibility:

Diploma or Degree in Mechanical/ Electronics/
Instrumentation/ Automobile or equivalent Engineering

Course duration: One year – full time.

Fee: Rs. 90,000/-

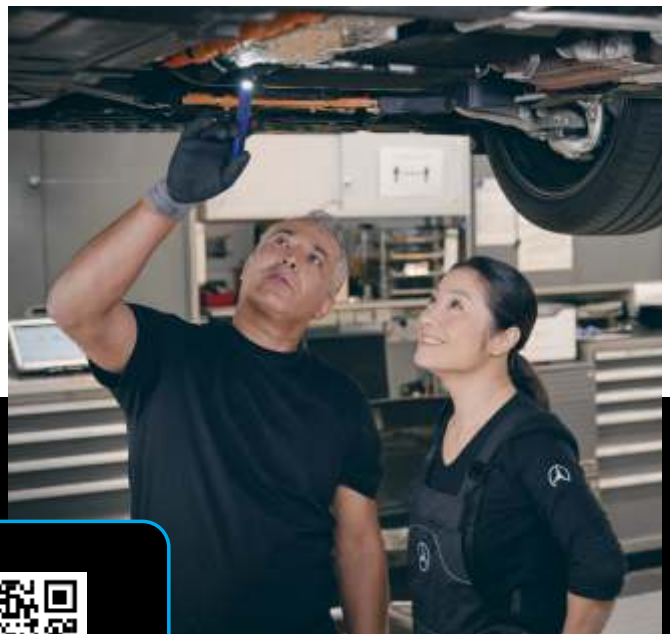
Scholarship: for Female Candidates*

Institute and Mercedes-Benz partnership

The Advanced Diploma in Automotive Mechatronics (ADAM) course is a highly specialized program developed through a strategic partnership between the KIET Group of Institutions and Mercedes-Benz India Pvt. Ltd., which came together in 2018 to launch the ADAM program. This collaboration ensures that the course is aligned with industry demands, providing students with practical hands-on experience using Mercedes-Benz cars and incorporating best practices from the company's in-house facility. The program includes training in Electrical, Mechanical, and Electronics/Embedded systems, as well as factory visit to Mercedes-Benz India, further enhancing the students' exposure to advanced automotive technology.



The partnership between the KIET Group of Institutions and Mercedes-Benz India Pvt. Ltd. significantly enhances the educational experience for students by providing them with direct access to world-class automotive expertise and resources. Through hands-on training with Mercedes-Benz vehicles and exposure to advanced automotive systems, students gain practical skills that are highly sought after in the industry. This collaboration opens up greater career opportunities for students, equipping them with the specialized skills and industry connections needed to thrive in the competitive automotive sector.



For further details, contact:

Dr. Ashish Karnwal
ashish.karnwal@kiet.edu
9999365444

Scan for Admission

