



GOVERNMENT POLYTECHNIC, AURANGABAD

(An Autonomous Institute of Government of Maharashtra)

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Mercedes-Benz

ADVANCED DIPLOMA IN AUTOMOTIVE MECHATRONICS

(A Course Developed in Collaboration with Mercedes-Benz India Pvt. Ltd.)

Government Polytechnic, Aurangabad is a leading Polytechnic of Technical Education Department, Government of Maharashtra. This institute is accredited by NBA with Excellent Grades and is also elected under World Bank TEQIP project. Academic Autonomy has been conferred to this Institute since 1994. The institute had been awarded Best Polytechnic award for the year 1996-97, by Government of Maharashtra for consistent excellent performance in Technical Education. The Institute also has been conferred by ISTE Narsee Monjee Award for Best Polytechnic having Best Overall Performance in Maharashtra State in the year 2006. The institute is located in Industrial Zone. Majority of these industries are related to Automobile, Information Technology and Electronics & Telecommunication sectors. We have been running Advanced Diploma in Automotive Mechatronics Course in Collaboration with Mercedes-Benz India Pvt. Ltd. Since 2009. There are 200 Trainees successfully completed Mechanics Course and working in reputed Automotive Sectors in India and some out of them working in Abroad.

About Mercedes-Benz

Mercedes-Benz a pioneer in the International industry owns brands such as **Mercedes-Benz, Smart, Maybach, Freightliner** and others. These brands represent a formidable force in the automotive industry and reflect not just pioneering technology but technology that is path breaking. Today its brands stand for Technology, Safety, Reliability, Comfort, precise control for stability and Environment of vehicles. In alliance with several other component manufacturers of reputed vendors, they are developing new and advanced systems that are taking automotive technology to new heights.

Mercedes-Benz India Private Ltd. since its establishment in 1994 has been one of the first auto joint ventures set up in India. The company has a long-term commitment to the Indian market. Government Polytechnic, Aurangabad and Mercedes-Benz India Private Ltd. has jointly introduced the **Advanced Diploma in Automotive Mechatronics** course. The collaborative course will enable students to be trained as per the highest standards of modern automotive technology and thereby will bring added synergies between technological innovations and market demands for skilled personnel.

Why Automotive Mechatronics course?

Automobile Industry in India is growing rapidly and is also maturing at a faster pace not only in terms of size and model variants available but also in terms of technological advancements in new cars. Across all vehicle segments, the automotive technology is becoming more and more sophisticated with stringent regulations and increased customer awareness. To cater effectively to after-sales service requirements of these technologically advanced vehicles, good qualified and well versed technical human resources will be required by all brands at dealerships as well as in the automobile industry all over the country. Automotive Mechatronics course intends to address these requirements through this course.

Course Content: The course content and methodology has derived in collaboration with Mercedes-Benz India to suit the needs of the state of art automobiles and it upgrades as per market demands. The course consists of following five modules.

1. Mechanical Module: Engine - various modern engines and its functions, Transmissions, Chassis systems, Maintenance & Servicing of Modern Vehicle, Introduction to Workshop Information System (WIS), PDI & servicing - Preparation of work plan using maintenance checklist, Quality services, etc.

2. Electronics Module: Basic Electrics, Wiring Diagram - symbols & designation of electrical components, sockets & pin diagrams, Reading of wiring diagram. Basic Electronics, Principle & Applications of sensors, Digital Electronics, Basics of CAN bus, networking of control units using CAN bus, Location of CAN voltage distributor, Interior & Exterior CAN.

3. Advanced Automotive Systems: Vehicle Component Study; Different Vehicle Management System: Functions of Engine management & Emission control management - i.e. Advanced CDI, MESFI, Catalytic converter etc., ESP, ABS, BAS, ASR, Parktronic, SRS, Auto transmission electronic control, Telemetric (Basic), MOST, D2B, Auto air-conditioning etc.

4. Soft Skill Development: Communication skills- Verbal Communication, Body language, Presentation skill using modern aids, written communication - Business letter writing, Technical Report writing, etc.

5. Workshop Attachment Module: One month in every year of the course we offer training at various dealer's workshop to perform a maintenance service, diagnosis activity and practice the various process of vehicle maintenance.

Faculty: Faculties / trainers from Government Polytechnic are Post Graduates in Engineering and having vast teaching experience. They have been trained on advanced automotive systems at Mercedes-Benz plant in Chakan, Pune under German trainer.

Course Duration: 1 year (5 modules)

Eligibility Criteria: A candidate who has passed AICTE& MSBTE approved Diploma or Degree in Mechanical/Automobile/Electronics/Instrumentation/Electrical Engineering branches is eligible for admission to this course.

Course Fees: Tuition fees Rs 1,00,000/-in words - One Lacs should be paid before or up to the date of admission confirmation.

Hostel Fees: Admission in the hostel will be confirmed only after full payment of hostel fees i.e. Rs. 21000/- (Hostel will be available as per availability)

Scholarships: Mercedes Benz India Ltd. is offering Scholarship.

1. Scholarship for low Economic background: -Priority given to two eligible male candidates in the selected list based on their family income and Entrance Test Merit.
2. Scholarship for Female Student: - Priority given to one eligible female candidate in the selected list based on her family income and Entrance Test Merit.

Course Intake: 22 students (5 seats are reserved for Mercedes-Benz dealer sponsored candidates).

Certification: After successful completion of the course, students will be given Certificate of "Advanced Diploma in Automotive Mechatronics". It will be signed by **Principal, Govt.**

Polytechnic, Aurangabad and Vice President of Mercedes Benz India Pvt. Ltd.

Admission Process: Selection of the candidates based on overall Performance in Entrance test, Practical Test and personal interview.

For details contact:

Contact Persons – Coordinator and trainer of ADAM GP Aurangabad

Prof. M.L. Bhagwat–9850018399,

e-mail- adamgpaur@gmail.com

- Detail schedule for admission will be displayed on website and convey to you immediately after declaration of diploma/ degree result, so for the candidates interested and willing to take admission for ADAM course in the batch -2020-21, please follow the below given link and fillup the required data so that it is easy to update the interested candidates.

<https://forms.gle/nESnx3eLpeQ7yYTz5>