



CENTRE FOR CONTINUING EDUCATION
GOVERNMENT ENGINEERING COLLEGE BARTON HILL
THIRUVANANTHAPURAM – 695035



Website: www.gecbh.ac.in

Email: adamcourse@gecbh.ac.in

Phone: 0471-2300484, 2300485, 9496064680, 9048344991 Fax: 0471-2300484

IMPORTANT DATES
BATCH IX

Date of notification
18.12.2020

Last date for receiving
completed application
21/01/2021

Written Examination
30/01/2021

Publication of Rank list
13/02/2021

Commencement of
Course
02/03/2021

ADVANCED DIPLOMA
IN
AUTOMOTIVE MECHATRONICS (ADAM)
Prospectus for Admission-2020-21

Government Engineering College (GEC), Barton Hill is a premier institute located right at the heart of the capital city of Kerala, Thiruvananthapuram. It stands out for academic excellence and remarkable achievements of its alumni. Another highlight is an extremely dedicated and highly qualified team of faculty members. Within a relatively short span of time, the college has grown on to become a name to reckon within the academic and industrial milieu. The college offers five M.Tech Programs, five B.Tech programs (out of which four are NBA accredited) and ADAM Course. The College is affiliated to the APJ Abdul Kalam Technological University, Kerala and comes under the Directorate of Technical Education, Government of Kerala.

Mercedes - Benz India Private Ltd is wholly owned subsidiary of Daimler AG, Germany with its manufacturing plant in Pune, Maharashtra, India. Mercedes-Benz has been associated with India for more than 50 years. Presently, Mercedes-Benz India's engagement in India covers several domains:

- Local assembly & import of Mercedes-Benz cars
- Global sourcing of auto components
- Captive automotive technology research and development

Advanced Diploma in Automotive Mechatronics is one of the social-oriented programs initiated by Mercedes-Benz India in collaboration with prestigious academic institutions across India.

ADAM Course 2020-21

The course duration is one year and the course fee is Rs.85, 000/- (Rupees Eighty-five thousand only). There is only one batch for the academic year 2020-21, BATCH - IX, commencing on 2nd March 2021.

Course Aim

- To train aspiring engineers on latest automotive technology using latest, world-class tools and equipment to fulfill the need for skilled human resources in automotive field.
- To develop multi-disciplinary competency amongst engineers to cater to the contemporary automotive technology.
- To develop various soft skills and in particular thorough communication skills.

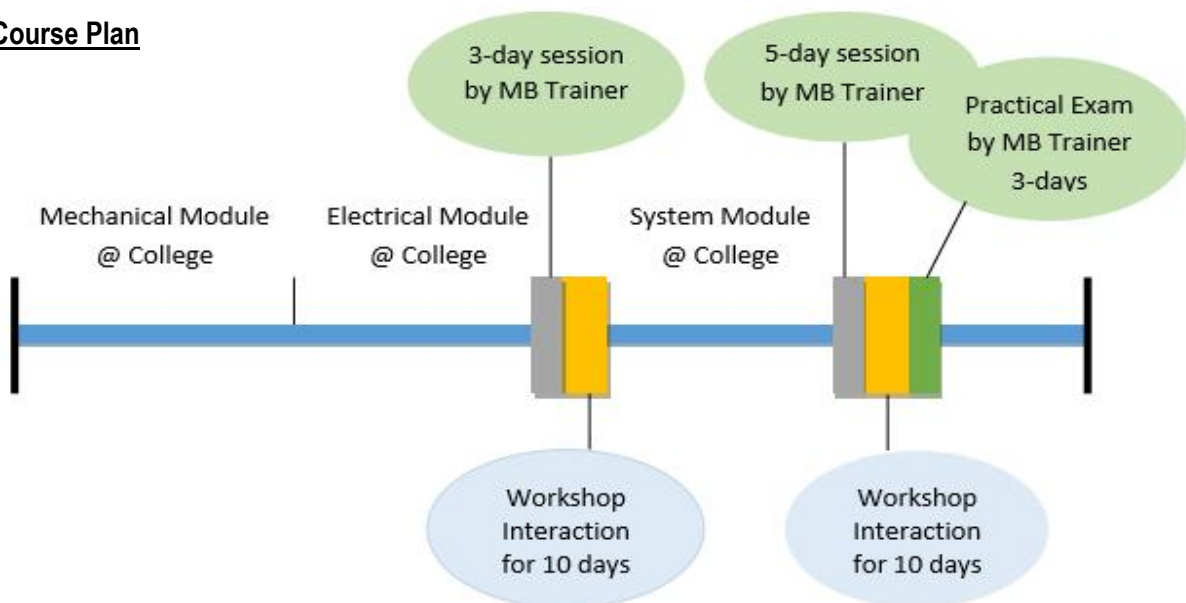
Course Outcome

After completion of this course the students will be able to

- Remove and 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 a car.
- Use modern diagnostic equipment.
- Diagnose various faults and rectify the same.
- Communicate with customers and others for technical issues on the vehicle.

Course Modules: The course consist of–Mechanical Module, Electrical & Electronics Module, System Module, Workshop Module and Soft Skills.

ADAM Course Plan



Training Methodology

- Training will be based on online/offline mode depending on the decisions of the Government on Covid 19 pandemic and accordingly the above course plan, course duration and training methodology may change.
- Self-reliant learning under continuous guidance from specially trained faculty.
- Learning in a team of maximum of five members.
- Tasks specially designed for developing skilled mechatronic technicians.
- Group discussions, presentations, debates and performing similar tasks for personality development.
- Limited number of students per class (maximum 20).
- Personal attention ensured by having one trainer for every 10 students.
- Study using computer based training materials and computer based Workshop Information System.
- Continuous monitoring by the trainers.

Eligibility for admission

Candidates who have a Degree/ 3-year Diploma in Mechanical Engineering / Automobile Engineering / Electrical & Electronics Engineering / Electronics & Communication Engineering/ Mechatronics / Applied Electronics and equivalent disciplines. Final year B.Tech students with 6.5 CGPA till seventh semester and without live back papers are also eligible.

Submission of Application

Application forms are available online on the ADAM page of website (www.gecbh.ac.in) of Government Engineering College, Barton Hill, Thiruvananthapuram. Candidates seeking admission shall fill the application form online and attach the required documents (pdf only) including receipt of application fee. The form should accompany the details of qualification and application fee (non-refundable) of ₹500/- (₹250/- for SC/ST candidates) paid through account transfer to the current account of “**Principal and Course Coordinator, ADAM CCE, Government Engineering College, Barton Hill**” Account No. **37921014673** of State Bank of India, Vikas Bhavan, Thiruvananthapuram. (IFSC **SBIN0070415**).

All such applications will be scrutinized and eligible candidates for Written Test will be given an acknowledgement through mail attaching the instructions for the Written Test. Result of the written entrance test and list of finally selected candidates will be displayed on the website. For more details, please refer the website www.gecbh.ac.in

Admission to the Course

Admission to the course is through entrance test. The final rank list will be based on the marks obtained in the entrance (written) test. The schedule of admission process is given below.

Test Center for Examination

The venue for the written examination is

Government Engineering College, Barton Hill, Vanchiyoor P.O., Thiruvananthapuram, and Kerala – 695035.

Entrance test comprises the following Six parts

Written Test (Total 125 Marks) is based on Multiple Choice Questions (MCQ) and an engineering drawing test

- a. Basic Automotive (20 marks)
- b. Basic Physics (20 marks)
- c. Analytical reasoning (20 marks)
- d. Numerical ability (20 marks)
- e. Service Aptitude (20 marks)
- f. Engineering Drawing test- Orthographic projection- conversion of pictorial views into orthographic views (25 marks)

Schedule of Admission Process

	BATCH IX
Issue of Prospectus with Admission Form at GEC Barton Hill website	18/12/2020
Last date for receiving online application form at GEC Barton Hill	21/01/2021
Written Examination	30/01/2021
Publication of Rank list	13/02/2021
First Round of Admission	21/02/2021
Second Round of Admission (in case of any unfilled seats in the first round)	25/02/2021
Commencement of ADAM Course	02/03/2021

Course Intake

One Batch of 20 students for the academic year 2020-21. For each batch, a maximum of 5 seats are reserved for Mercedes-Benz India Dealer nominees and 2 seats for SC/ST candidates. However, passing the entrance examination shall be mandatory for all categories of candidates. Seats not availed by reserved candidates will be open to general category.

Regulations Regarding Admission

Original qualifying certificates should be produced for verification at the time of admission.

Selection of Candidates

1. Admission will be made strictly on merit for all categories of candidates.
2. Candidates shall fill and submit the online application form along with soft copies of the relevant documents (pdf only) on or before 21.01.2021. (**Online through website: www.gecbh.ac.in**). Applications received late or incomplete will be rejected.
3. Written examination will be conducted at GEC Barton Hill, Thiruvananthapuram adhering to the Covid 19 protocol.
4. A Rank list will be published based on the written examination.
5. It is mandatory for the candidates to attend written test in person for admission at their own expense.
6. Candidates who fail to appear for the written test on the specified date and time will not be considered.
7. Selected students will be required to pay full fee of Rs.85,000/- at the time of admission. The course fee shall be paid in the form of Demand Draft drawn in favour of the " Principal and Course Coordinator, ADAM CCE, Govt. Engineering College, Barton Hill" payable at Thiruvananthapuram or through account transfer to the current account **No. 37921014673** of State Bank of India, Vikas Bhavan, Thiruvananthapuram. (IFSC **SBIN0070415**) in the name of Principal and Course Coordinator.
8. Admission of the eligible candidates, who do not deposit the prescribed fees in full and do not produce the original certificates for verification within the prescribed time after selection, shall stand automatically cancelled and vacancies so caused shall be offered to the candidates next in order of merit. No correspondence or appeal in this connection will be entertained by GEC Barton Hill.
9. Seats remaining vacant, for whatsoever reasons, shall be filled up in the subsequent round, by following the same procedure as in the first round admission and as per the given schedule.
10. The decision of the ADAM Working Committee will be final in interpreting the rules of admission. Legal disputes if any will come under the jurisdiction of Court at Thiruvananthapuram.

Rules and Regulations after Admission

1. All the students are required to have their identity card with them while they are in the campus. Identity cards will be supplied by the College at the time of admission.
2. The students should keep all the receipts obtained from the College and should produce them for verification if required.
3. No fee refund will be given to the students who discontinue the course after enrollment.
4. Students admitted to the College, should strictly abide by the rules and regulations of the College.
5. Arrangements will be made for providing hostel accommodation to the students, outside the campus. No hostel facility is available at the college. Students have to bear the actual expenses for accommodation.
6. Students have to wear uniform in the campus, the details of which will be given at the time of admission.
7. As per the curriculum, there will be industrial / MB India Plant visit and dealership workshop internships for which the expenditure for travel, food, accommodation, etc. should be borne by the student.

Certificate

On completion of the course, the students will have to appear for the final examination and successful candidates will be awarded certificate duly signed by the Director of Technical Education, Kerala / The Principal, Government Engineering College Barton Hill and Mercedes-Benz India Pvt. Ltd.

The candidate who fails in the final examination will be given two additional chances for which the exam Centre will be any of the ADAM centers in India. The failed students have to pay the assessment fee and meet the travelling and other expenses for the additional chances.