



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



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Mercedes-Benz

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**IMPORTANT DATES**  
**BATCH XI**

Date of notification  
28/09/2022

Last date for receiving  
completed application  
19/10/2022

Written Examination  
05/11/2022

Publication of Rank list  
09/11/2022

Commencement of  
Course  
23/11/2022

**ADVANCED DIPLOMA**  
**IN**  
**AUTOMOTIVE MECHATRONICS (ADAM)**  
**Prospectus for Admission-2022-23 Batch XI**

**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. We have a team of extremely dedicated, highly qualified and trained 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 six 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 part of Mercedes-Benz's Global Production Network and plays an important role in the CKD/MVP production network in Brazil, Indonesia, Malaysia, Thailand and Vietnam. Mercedes-Benz India pioneered the luxury car market in India. It has a world-class production facility spread over 100 acres in Chakan near Pune. Mercedes-Benz India now boast of the entire portfolio having 'connected cars. Mercedes-Benz India product portfolio comprises the locally produced Mercedes cars and completely built imported cars, the portfolio includes the EQC, V-Class, CLS, C-Class Cabriolet, the G 350d, the EQC and the exciting AMG range. Mercedes-Benz announced the futuristic and more customer centric 'direct to customer' model, called 'Retail of the Future' (ROTF) in which, Mercedes-Benz India will own the entire stock of cars, sell them via appointed Franchise Partners offering one transparent price and purchasing experience for customers.

**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 2022-23**

The course duration is one year and the course fee is Rs.85, 000/- (Rupees Eighty-five thousand only). This is the second batch for the academic year 2022-23, BATCH- XI which will be commencing on 23<sup>rd</sup> November 2022.

**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.

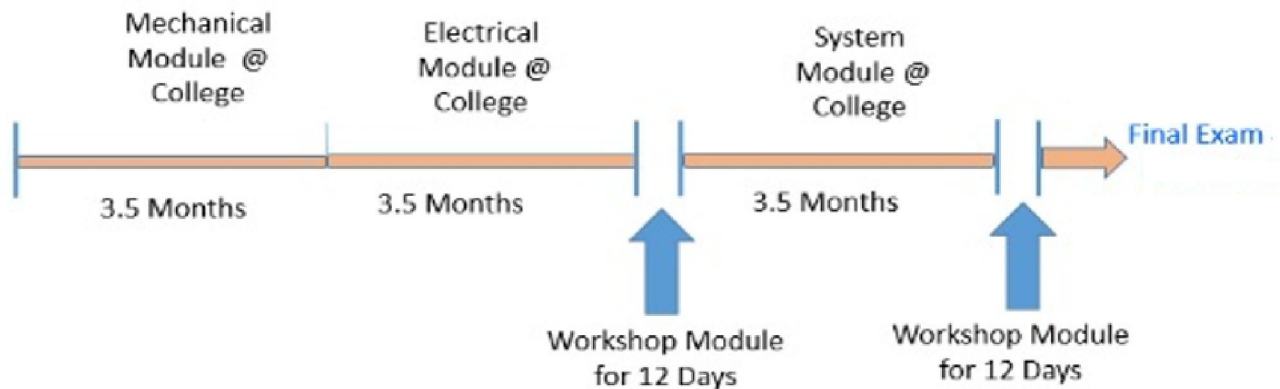
## Course Outcomes

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 consists 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 content, course duration and training methodology may change.
- The course content will be regularly updated by Mercedes-Benz India
- 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.

### **Submission of Application**

Application forms are available online on the website ([www.gecbh.ac.in](http://www.gecbh.ac.in)) of Government Engineering College, Barton Hill, Thiruvananthapuram. Candidates seeking admission can fill the application form online and attach the required documents 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 ADAM page of website [www.gecbh.ac.in](http://www.gecbh.ac.in)

### **Admission to the Course**

Admission to the course is through entrance test and interview. The final rank list will be based on the marks obtained in the 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

	<b>BATCH XI</b>
Issue of Prospectus with Admission Form at GEC Barton Hill website	<b>28/09/2022</b>
<b>Last date for receiving online application form at GEC Barton Hill</b>	<b>19/10/2022</b>
<b>Written Examination</b>	<b>05/11/2022</b>
Publication of Rank list	<b>09/11/2022</b>
First Round of Admission	<b>17/11/2022</b>
Second Round of Admission (in case of any unfilled seats in the first round)	<b>21/11/2022</b>
<b>Commencement of ADAM Course</b>	<b>23/11/2022</b>

### Course Intake

Second Batch of 20 students for the academic year 2022-23. For each batch, a maximum of 5 seats are reserved for Mercedes-Benz India Dealer nominees, 1 seat for SEBC /OEC candidates, 1 seat for BPL candidates and 2 seats for SC/ST candidates. Candidates claiming reservation shall submit appropriate certificate. 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 certificates of qualification and other claims 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 are directed to fill and submit the online application form along with soft copies of the relevant certificates (10<sup>th</sup>, Degree/Diploma, Degree Mark list and Category certificates), documents (pdf only) on or before (**online through website: [gecbh.ac.in](http://gecbh.ac.in)**) the last date prescribed. Online applications received late or incomplete will be rejected.
3. Written examination will be conducted at GEC Barton Hill, Thiruvananthapuram.
4. A Rank list will be published based on the written examination / Interview.
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 at the time of admission. The fee for admission to the course shall be paid in the form of Demand Draft drawn in favour of the "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, Govt. Engineering College, Barton Hill.
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, 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.