



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



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IMPORTANT DATES
BATCH-15

Date of notification
05/08/2024

Last date for receiving
completed application
04/09/2024

Written Examination
28/09/2024

Publication of Rank list
01/10/2024

Commencement of
Course
21/10/2024

ADVANCED DIPLOMA
IN
AUTOMOTIVE MECHATRONICS (ADAM)
Prospectus for Admission-2024-25

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 (all 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, Duration and Fee

The course duration is one year and the course fee is **Rs.85,000/-** (Rupees Eighty-five thousand only) and **Rs. 1000/-** (Rupees One Thousand only) as PTA fund and to be paid at the time of admission. This is the second batch (BATCH- 15) for the academic year 2024-25, which will be commencing on **21st October 2024**.

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.

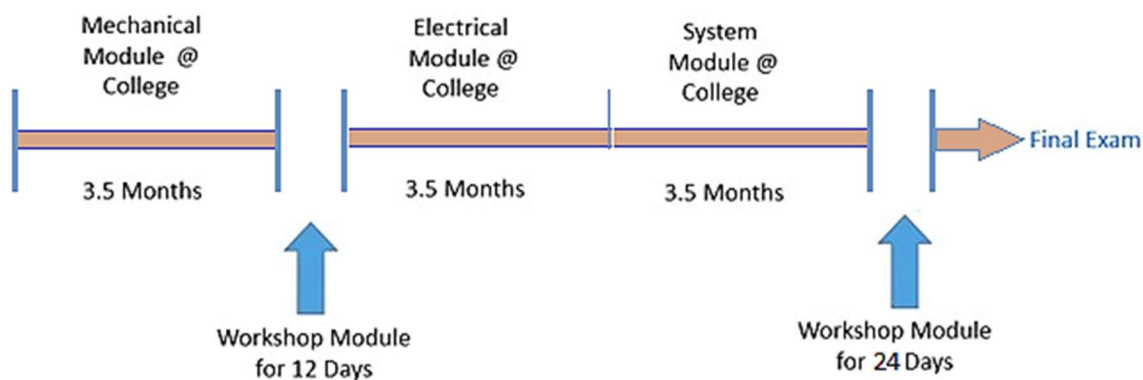
Course Objectives

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 conducted in offline mode according to the above course plan.
- 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) 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 website www.gecbh.ac.in

- Candidates who fail to upload the Degree/ Diploma certificate will not be eligible for the written exam.
- Candidates seeking reservation benefits must upload Caste/ Community/ BPL certificate along with their application. Those who fail to upload the relevant certificate will not be considered for reservation during the admission process.

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

	BATCH 15
Issue of Prospectus with Admission Form at GEC Barton Hill website	05/08/2024
Last date for receiving online application form at GEC Barton Hill	04/09/2024
Written Examination	28/09/2024
Publication of Rank list	01/10/2024
First Round of Admission	09/10/2024
Second Round of Admission (in case of any unfilled seats in the first round)	16/10/2024
Commencement of ADAM Course	21/10/2024

Course Intake and Reservation of seats

The intake for the second Batch of academic year 2024-2025 is 20 students. 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 as per Centre for Continuing Education (CCE) guide lines. Candidates claiming reservation shall upload appropriate caste and income certificate / BPL certificate from competent authority while submitting online application. 50 percent fee concession as per CCE guidelines will be given to the reservation category students (**Four only**) based on their rank in the ADAM entrance examination. 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 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 (10th, Degree/Diploma, Degree Mark list), documents (pdf only) on or before (**online through website: gecbh.ac.in**)". 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.