



**IMPORTANT DATES
BATCH I / BATCH II**

Last date for receiving
completed application
04.05.19 / 16.08.19

Written Examination
18.05.19 / 31.08.19

Publication of written
exam results
21.05.19 / 03.09.19

Practical & Interview
25.05.19 / 07.09.19

Publication of Rank list
29.05.19 / 18.09.19

Commencement of
Course

17.06.19 / 14.10.19

**ADVANCED DIPLOMA
IN
AUTOMOTIVE MECHATRONICS (ADAM)**
Prospectus for Admission-2019

Government Engineering College (GEC), Barton Hill is a premier institute located right at the heart of the capital city of 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 with in the academic and industrial milieu. The college offers five M.Tech Programs, five B.Tech programs (out of which three 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 headquarters 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 Government Institutions across India.

ADAM Course 2019-20

There are two batches for the academic year 2019-20, BATCH I and BATCH II. BATCH I will be commencing on 17th June 2019 and BATCH II will be commencing on 14th October 2019. The current notification is only for BATCH I. Candidates can apply now for BATCH I only. New Prospectus and Application will be issued during the month of June 2019 for BATCH II.

Course Aim

- To train aspiring engineers on latest automotive technology using latest, world-class tools and equipments 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

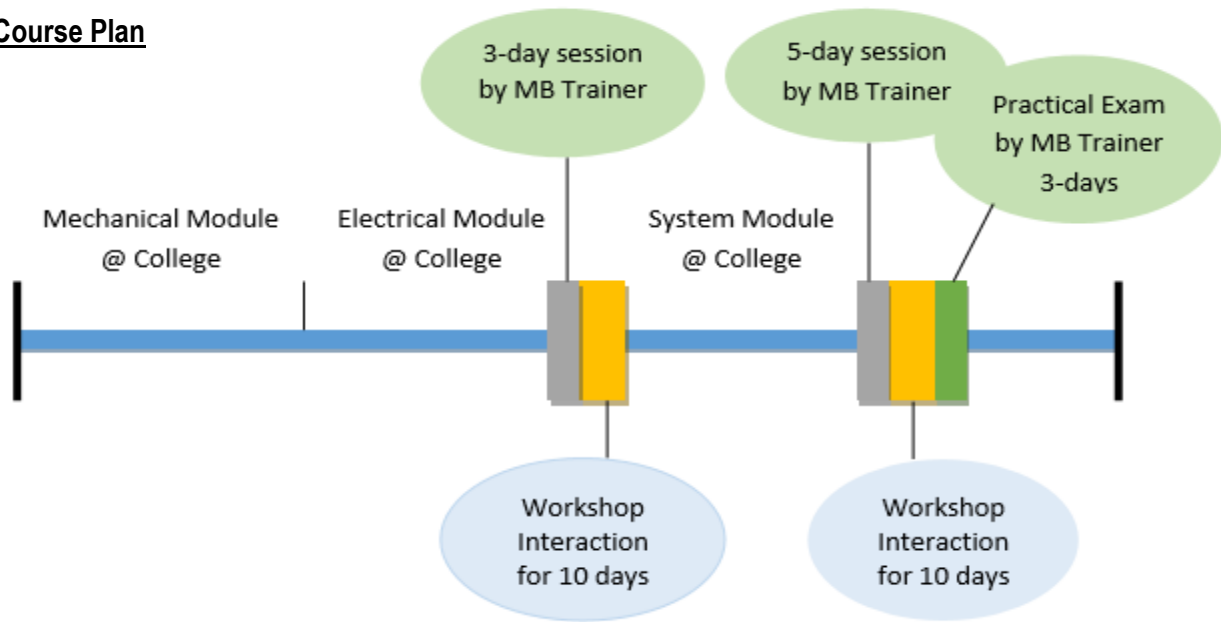
After completion of this course the students will be able to

- 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 equipments
- 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

- Self-reliant learning under continuous guidance from specially trained faculties
- 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 on the website of Government Engineering College, Barton Hill, Thiruvananthapuram. Candidates seeking admission can send downloaded and duly filled in application form. The form should accompany the details of application fee (non-refundable) of ₹500/- (₹250/- for SC/ST candidates) paid Online A/C transfer through the link available at our website OR a Demand Draft in the name of "Course Coordinator, ADAM CCE, Government Engineering College, Barton Hill" drawn on any SBI branch and payable at Trivandrum.

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 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 .There will be separate entrance tests for Batch I and Batch II. Entrance test comprises of written test, practical tests and personal interview. The written test is only to screen the candidates. The list of candidates eligible for practical test will be published as scheduled. **The venue for the practical test and interview will be Government Engineering College Barton Hill, Thiruvananthapuram.** The final rank list will be based on the marks obtained in the practical test. The schedule of admission process is given below.

Written Test Centers for Batch I

- **Government Engineering College Barton Hill, Vanchiyoor P.O., Thiruvananthapuram, Kerala - 695035**
- **Sundaram Motors, No. 80/81, Ambattur Industrial Estate, Ambattur, Tamil Nadu**

Entrance test is conducted in the following three parts

1. Written Test (Total 125 Marks) is based on Multiple Choice Questions (MCQ) only
 - a. Basic Automotive
 - b. Basic Physics
 - c. Analytical reasoning
 - d. Numerical ability
 - e. Service Aptitude
2. Practical (100 Marks)
 - a. Isometric, orthographic projections & its symbols
 - b. Measurements using Vernier caliper/ Screw gauge
 - c. Measurements using Multi-meter
 - d. Skill test
3. Personal Interview

Schedule of Admission Process

	BATCH I	BATCH II
Issue of Prospectus with Admission Form at GEC Barton Hill website	15/03/19	13/06/19
Last date for receiving application form at GEC Barton Hill	04/05/19	16/08/19
Written Examination	18/05/19	31/08/19
Publication of Results of Written Test	21/05/19	03/09/19
Practical & Interview at GEC Barton Hill	25/05/19	07/09/19
Publication of Rank list	29/05/19	18/09/19
First Round of Admission	06/06/19	23/09/19
Second Round of Admission (in case of any unfilled seats in the first round)	12/06/19	01/10/19
Commencement of ADAM Course	17/06/19	14/10/19

Course Duration and Fee

Course duration is one year with a fee of ₹85,000/- (Rupees Eighty Five Thousand only). Mercedes-Benz, India offers scholarship to one lady candidate and three economically backward candidates who secure admission to the course comprising of two batches of 40 students.

Course Intake

40 students for each academic year in two batches of 20 students. 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. Applications should be addressed to “**The Coordinator, ADAM, Govt. Engineering College, Barton Hill, Thiruvananthapuram, Kerala. Pin – 695035**”. Applications received late or incomplete will be rejected.
3. Written examination will be conducted at GEC Barton Hill, Thiruvananthapuram and Sundaram Motors, Ambattur Industrial Estate, Tamil Nadu.
4. **The Prospectus, date schedule of admission and test center for the BATCH II may change**
5. A Ranklist will be published based on the entrance examination (Practical and Interview).
6. It is mandatory for the candidates to attend written test, practical and interview in person for admission at their own expense.
7. Candidates who fail to appear for practical and interview on the specified date and time will not be considered.
8. Selected students will be required to pay full fee at the time of admission. The fees for admission to the course shall be paid either Online A/C transfer through the link available at the website or in the form of Demand Draft drawn in favour of the “Course Coordinator, ADAM CCE, Govt. Engineering College, Barton Hill” payable at Thiruvananthapuram.
9. 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.
10. Seats remaining vacant, for whatsoever reasons, shall be filled up in the subsequent round, by following the same procedure as in the first round, and as per the given schedule.
11. 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 and Mercedes-Benz India Pvt. Ltd. The candidate who fail 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.