

**GOVERNMENT ENGINEERING
COLLEGE
THIRUVANANTHAPURAM
INFORMATION BULLETIN 2019-2020**



**THIRUVANANTHAPURAM
BARTON HILL 695035
KERALA, INDIA
Phone/Fax : 0471 2300485
Web : www.gecbh.ac.in
E-mail : principal@gecbh.ac.in**

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VISION

A centre for higher learning in engineering that nurtures inquisitive young minds fosters innovative research and reaches out to the society, while incessantly improving itself.

MISSION

- Impart engineering knowledge and skills.
- Mold professionals with integrity.
- Nurture the spirit of innovation and creativity to address needs of society.
- Collaborate with industry, academic and research institutions of repute.

1 COLLEGE AT A GLANCE

1.1 Introduction

Government Engineering College, Trivandrum was established by the Government of Kerala in the academic year 1999-2000. Within a short span of time of its inception, the college has achieved notable academic excellence. The college has been affiliated to the A.P.J. Abdul Kalam Kerala Technological University (KTU). It is under the administrative control of the Director of Technical Education, Government of Kerala. The Principal's office is currently held by Dr.Suresh K.

The college is situated at scenic hills of Barton Hill. It had the unique proportion of being Travancore's first English High School for Girls 'HER HIGHNESS MAHARANI SETU PARVATHY BHAI', English High School For Girls, established in 1942. The Government Engineering college started its functioning in November 1999. Prof. G.Jayasankar was the first principal.

The college now offers five full time M.Tech degree and five full time B.Tech degree programmes as follows:

1. M.Tech in Mechanical Engineering - Machine Design
2. M.Tech in Information Technology - Network Engineering
3. M.Tech in Electrical and Electronics Engineering - Power Systems and Control
4. M.Tech in Electronics and Communication Engineering - Signal Processing
5. M.Tech in Translational Engineering
6. B.Tech in Civil Engineering
7. B.Tech in Electrical and Electronics Engineering
8. B.Tech in Electronics and Communication Engineering
9. B.Tech in Information Technology

10. B.Tech in Mechanical Engineering

The duration of the M.Tech programme is two years and that of the B.Tech Programme is four years. As per the AICTE norms, the annual intake of each PG course is eighteen and that of each UG course is sixty.

The faculty members of the institution are from the pool of Professors, Associate Professors and Assistant Professors under the Department of Technical Education, which provides faculties to all the nine Government Engineering Colleges in the State. The 67 strong regular faculty team of the college consists of 20 Ph.D holders and 47 PG degree holders. Admission to the UG programmes to this college is done through the Common Admission Procedure (CAP) based solely on the rank secured in the Common Entrance Examination (CEE) conducted by the Government of Kerala. This college is the choice of the top rank holders of the CEE. Admission to the PG programme is done through the Centralised Admission Process by the Directorate of Technical Education.

The alumni of the college constantly secured places in the B.Tech rank lists of the Kerala University and in the top sections of GATE rank lists in all years right from its inception. Also, many of them have secured admissions to top research institutions and business schools including foreign universities, IITs and IIMS . The placement record of the college has been phenomenal, with majority of the students having received job offers from reputed firms in the campus placements.

1.2 Location

The campus is situated in the heart of Thiruvananthapuram city, at a walking distance from PMG junction. This makes GEC Barton Hill as one of the easiest accessible engineering colleges in the state. It is only 10 km away from the Trivandrum airport and 3.5 km away from Trivandrum Central railway and central KSRTC bus station. The nearest bus station is the KSRTC Vikas Bhavan bus depot which is only half a kilometer away.

1.3 Governance

The college is functioning under administrative control of Higher Education Department, Govt. of Kerala.

1.3.1 Board of Governors

The Governance of the institution is done under the guidance of Board of Governors. The governing body of the institution is collectively responsible for overseeing the institutions' activities, determining its future direction, and fostering an environment in which the institutional mission is achieved. The BoG of the institution is chaired by Prof. V.G.Idichandy, Professor Emeritus, IIT Madras. The members of the BoG are as follows:

1. Chairperson	Prof. R Krishna Kumar	Professor	IIT , Madras
2. Member	Prof. K.Kurien Isaac	Professor	IIST TVM
3. Institutional Member	Er.Satheeshkumar R	Head of solar	
4. Institutional Member	Dr. S Anil lal	Professor (ME)	GECBH
5. Institutional Member	Dr.Vijayakumar N.	Professor (ECE)	GECBH
6. Member (Ex-officio)	Dr. K P Indiradevi	DTE	
7. Member (AICTE Nominee)	Dr. Ramesh Unnikrishnan	Regional officer	
8. Member (Ex-officio)	State Govt Nominee	Higher Education	Govt. of Kerala
9. Member (Ex-officio)	Govt. Nominee	Finance	Govt. of Kerala
10. Member (Ex-officio)	University Nominee	Dr.Shabu	
11. Member (Ex-officio)	Dr. Suresh K	Principal	GECBH
12. Member (Ex-officio)		Director	SPFU

1.3.2 College Academic Council

The College Academic Council consists of the Principal, the Dean, the Heads of all Departments, the senior most among the Science Faculty and Physical Education, one nominated faculty member from each Engineering Department, the Warden, Administrative Assistant and the College Student's Union Advisor. The Principal is the ex officio president of the council and the secretary is appointed by the council.

The administration of the college is done by the Principal. Some of the general administrative work of the college is distributed among the members of the college council and other faculty members. The council is empowered to consider the report on any question concerning accommodation, courses of instruction or rules of discipline referred to it by the Principal. However, it shall not interfere in any manner with the general administration of the college, which is invested with the Principal.

1.3.3 College Council

The College Council consists of all members of the College Academic Council, the College Union Chairman, the College Union General Secretary and two student representatives. The Principal is the ex-officio president. The College Council will convene in an emergency situations related to students' issues.

1.3.4 Ethics Committee

An institutional level Ethics committee has been constituted with Dr. Dinesh Pai A, Dean (PG) as the Chairperson. In compliance with the order of the Hon'ble High Court of Kerala and the instructions issued by the Government, a surprise inspection squad is also constituted in the institution. The squad is empowered to conduct surprise inspections in the campus and will furnish reports to the Principal and Ethics Committee for further necessary action. As per the instructions given by the Government, the Ethics committee will forward monthly reports to the District level committee that is chaired by the District Collector. The State level committee with the Hon'ble Minister for Education as chair person will review the reports bimonthly and issue necessary orders.

1.3.5 Grievance Redressal Committee

A committee has been constituted to redress the complaints of the students of the college regarding the inconveniences met by them. The committee will take up matters and find solutions to the problems and issues raised by the students for the smooth functioning of the college.

1.4 Attendance and leave regulations

Students are expected to attend all classes without fail. If for unavoidable reasons, leave of absence is required, permission from competent authority should be taken as given under.

Application for ordinary leave should be submitted to the group advisor concerned, who is competent to sanction leave up to a maximum of 3 days at a time. For periods beyond three days at a time, the Heads of Departments will be the sanctioning authority. Applications for ordinary leave will be considered only if submitted not later than three days from the date of return from leave.

(For more details refer RU-2,KTU Ordinance)

1.4.1 Medical leave

Students can apply to the Head of Department through the Group Adviser for leave on medical grounds, within three working days from day of returning. A medical certificate should be attached with the application. The students should keep medical leave application duly sanctioned. In the event of a student falling short of attendance at the end of a semester, condonation of shortage of attendance will be recommended only if they produce record to prove that the leave had been applied for and granted in time.

1.4.2 Duty leave

Students are eligible for duty leave on recommendation from the concerned authority if they perform certain kinds of duty for the college like representing the college in sports and games and involving in the college union and association activities. Duty leave can be recommended only by the faculty members who are authorized to do so. Duty leave should be submitted to the Principal or to the designated authority, preferably before

the duty is performed or soon after returning from duty, but not later than three working days.

Students should submit duly filled application attached in the annexure, with supporting documents, if any, and make sure that the leave has been sanctioned in time. They should submit a copy of leave sanctioned to the staff advisor and keep the original with them and produce it as and when necessary.

1.5 Computerised Central Attendance Monitoring and Consolidating System(CCAMCS)

The college has a very efficient and transparent computerised and centralised attendance monitoring system controlled by a committee of 10 faculty members from various departments.

The main objectives of it are:

1. To ensure a fool proof record of attendance of students in classes and details of class engagements for ensuring an effective monitoring of both.
2. Bi-weekly SMS alert to the parents about the up-to-date attendance status of their wards.
3. The performance of the students can be viewed easily by the parents across the globe through electronic personal data sheet using their login passwords.

By the system, the staff who is engaging a class will take attendance within 5 minutes from the commencement of the class and the attendance slip will be collected within 10 minutes from the class by attendance supporting staff and will be delivered to a central point, wherein attendance details will be entered into the monitoring system within the earliest time possible. Parents can view the period-wise day to day attendance of their wards on that day itself online from anywhere. The periodic consolidated attendance statement will be published on the college notice board and would be informed to the parents through SMS. At the end of the semester, the

system automatically generate a list of students who are eligible for registering the university examinations, condonation of shortage of attendance, year outs etc, observing the norms stipulated by the University. Moreover, the system would give the marks in respect of the attendance to the concerned staff for calculating the sessional marks. It is to be noted that once the attendance slip is collected from the class the concerned teaching staff cannot edit the data later. Also, no student will be permitted to leave the class until the class is over. Hence, timely presence of the student in the class is very important in registering their attendance. Students who do not satisfy the attendance requirement as per the university regulations will not be permitted to register for the university examination under any circumstances.

1.6 Guidelines for Industrial visit of B.Tech.Students

Ref:

(i) Letter No.11170/J2/13 from H..Edn. department, dated, Thiruvananthapuram 27.05.2013.

(ii) Letter No. AICTE/Acad/Student Safety/2015 from AICTE, dated, 31.07.2015

(iii) Circular No. C3/35065/2015/DTE from DTE, dated 14.3.2016

(iv) College Council decision, dated 18.07.2017

1. A maximum of total 7 days will be permitted for industrial visit during the 4 year duration of the B. Tech. course.
2. These days should not overlap with any of academic calendar days.
3. Minimum 3 industries are to be visited as recommended by staff advisor and HOD.
4. The industrial visit should be limited or to a maximum round trip distance of 3000 kilometers.

5. The accompanying faculty should be strictly from the respective department.
6. If there are female students in the group, a lady faculty must also accompany the group.
7. Before planning to go for industrial visit, the following procedures should be completed by the student coordinator:
 - a Submit a panel of industries intending to be visited during the proposed tour.
 - b The panel list should be approved by the staff coordinator for relevance and genuineness.
 - c A letter seeking permission from industries to undertake industrial visit for the students during the specified dates is to be issued by the Principal.
 - d Student coordinator should submit the permission letter from the industry to the Principal.
 - e Students should produce consent letter from the faculty accompanying them for the Industrial visit.
 - f The Industrial visit proposal should be initiated well in advance (at least two months earlier).
8. Bus/train seat/berth booking/reservation shall be made only after the final approval of the proposal by the Principal.
9. The visit will be sanctioned by the Principal only after verifying the genuineness of the permission letter from the industry.
10. It will be better if the Industrial visit is held between the semester break of 6th and 7th semesters.
11. Students should wear identity cards during the industrial visit.

12. Students should submit written permission from parents in the specified format.
13. Students should produce medical fitness certificate from a recognized medical practitioner.
14. Students should submit an undertaking that they will abide by the rules and guidelines throughout the Industrial visit.
15. Night travel by road should be avoided.

The tour proposal which does not satisfy the above mentioned guide lines will not be entertained. In addition to the above, the norms/guidelines issued by the Government from time to time are also applicable.

1.7 The College Union

The college has a student's union. The objectives of the college union are

1. to train the students of the college in the duties, responsibilities and rights of citizenship.
2. to promote opportunities for the development of character, leadership, efficiency, knowledge and the spirit of service among the students.
3. to encourage sports, arts and other cultural, educational and recreational activities which are incidental and conducive to the above objectives.
4. to work for the union, the term of which is generally one year from the date from which the union assumes office or till the date of the election to the union in the subsequent year.

The union has a union council comprising of the following office bearers.

1. The president of the union - Principal of the college (ex-officio)
2. The staff advisor nominated by the President
3. The Chairman
4. The Vice-Chairman
5. The General Secretary
6. Two Lady Representatives
7. The Counselor / Counselors to the Kerala University
8. The Secretary, Arts Club
9. The Chief Student Editor of the College Magazine.
10. The General Captain of Sports and Games.
11. The Secretaries of the various sectional Associations
12. One representative from every class (year wise).

The office of the Vice Chairman shall be reserved for lady students. The offices (3) to (9) given above shall be filled by election by all the students of the college. The offices(11) and (12) by election by the students of the particular association or class as the case may be.

There shall be an Executive Committee for the union as approved by the KTU University.

1.8 Fees

1.8.1 B. Tech

Admission fee	: Rs. 225
Tuition Fee	: Rs. 6000(per year)
Special fee (Revenue)	: Rs. 1650
Special Fee(PD)	: Rs. 350
Caution deposit	: Rs. 1000
KTU Administrative fee	: Rs. 1000
Exam Fee	: Rs. 3400(per year)i.e 1700(per sem)

1.8.2 M. Tech

Admission fee	: Rs. 225
Tuition Fee	: Rs. 6000(per sem)
Special fee(Revenue)	: Rs. 1650
Special fee(PD)	: Rs. 1850
Caution deposit	: Rs. 1500
KTU Administrative fee	: Rs. 1000
Exam Fee	: Rs. 1500(per sem)ie Rs. 3000(per year)

1.9 Students Code of Conduct**Introduction**

In accordance with the direction of the Honorable High Court of Kerala in R.P.No.435/2003 all the universities and educational institutions in Kerala are required to lay down appropriate rules and regulations which will be binding on all the students studying there in order to ensure disciplined conduct on campus. This code of conduct formulated by the Academic Council, shall be applicable to all students admitted to any academic programme of Government Engineering College, Barton Hill. Each student of this institution is expected to become acquainted with the provisions of this code. A student admitted to any academic programme of the college is required to give an undertaking to the effect that he/she will strictly adhere to all provisions of this code. It is presumed that every student from the date of his/her admission to any academic programme of the college is aware of this code. The provisions of this code have been laid down with a view to ensure an atmosphere conducive to the proper functioning of the institution and to maintain a high standard of student discipline and academic excellence. Inherent in this endeavour is the responsibility of the institution to educate its students to be responsible, civic minded citizens. The Academic Council of the college shall have the authority to amend any provisions of this code, as deemed necessary, from time to time.

1.Responsibilities of Student

1.1. To respect the law of the country, human rights, and the social and

cultural values nurtured and followed by our society.

- 1.2. To avail all educational opportunities and benefits provided by the college to prosper academically and to discharge his/ her social responsibilities in tune with the vision and mission of the institution.
- 1.3. To foster and maintain a peaceful and enriching academic environment within the campus.
- 1.4. To conduct himself/herself in a manner befitting the status of a student of an institution of higher learning.
- 1.5. To be properly and neatly dressed within the campus, to follow the dress code in situations where it is explicitly specified, and to help in keeping the campus premises neat and clean.
- 1.6. To wear properly the identity card issued by the college while inside the campus or when representing the institution elsewhere.
- 1.7. To keep oneself fully aware of the letter and spirit of this Code of Conduct, and to bring any violations of the Code to the notice of the college authorities.

2. Grounds for disciplinary Proceedings

Any act in violation of the responsibilities outlined in Section 1 constitutes sufficient grounds for disciplinary proceedings.

- 2.1 Any act that causes or is intended to cause physical or psychological stress or harm to any person.
- 2.2. Any conduct that causes unauthorized removal, destruction or damage of property either owned by or under the custody of the institution, or such acts on the property of others within the campus premises or at events organized/sponsored by the institution or when representing the institution.
- 2.3. Disorderly, indecent and obscence conduct within the campus premises or at events organized/ sponsored by the institution or when representing the institution.

- 2.4. Obstructing or disrupting the educational process by unauthorized entry into a class room or by causing disturbance from outside while a class/programme is in session.
- 2.5. Leaving a class while it is in session without obtaining permission from the teacher.
- 2.6. Organizing or attending any demonstration or meeting, distributing notices and collecting money for any activity for which prior permission from the principle has not been obtained.
- 2.7. Display of banners, posters, flags, or notices except at places permitted for the same by the principal.
- 2.8. Disfiguring the property of the college and the campus premises with graffiti, bills or engravings, and display of obscene or offensive material.
- 2.9. Unlawful obstruction or confinement of any student or official of the institution.
- 2.10. Possessing, using, distributing or being under the influence of alcohol or narcotics or other controlled substances and possession of any kind of weapon while within the campus or at events organized/sponsored by the institution or when representing the institution.
- 2.11. Making comments which reflect gender-bias, or use of phones, e-mails or other forms of communication to transmit material of sexually explicit nature, or engaging in any activity which constitutes sexual harassment.
- 2.12. Organizing or taking part in skits, dances, dramas or any other programmes which defame/insult students or staff members.
- 2.13. Use of social media to defame/harass any student or staff member of the institution.
- 2.14. Sitting on the main entrances and staircases of the buildings.
- 2.15. Committing malpractice during examinations, or engaging in any activity which violates the spirit and seriousness of examinations.

- 2.16. Using mobile phones inside the classroom and using camera/ mobile camera inside the campus (in accordance with the judgement of the Hon'ble High Court of Kerala and relevant Government orders).
- 2.17. Rash or negligent driving within the campus, or bringing vehicles into areas other than those permitted for vehicles of students, or negligent parking of vehicles causing obstruction/ disturbances to others or in violation of stipulated parking areas for students.
- 2.18. Academic malpractices like plagiarism, tampering with records, obtaining and distributing all or a part of any question paper etc.
- 2.19. Disrupting the academic ambience and tranquility of the institution by creating any disturbing noise on any pretext including celebration of birthday, festivals etc. Using musical instruments and loud speakers without permission of the principal.
- 2.20. Any other conduct which violates any of the responsibilities outlined in Section 1.

3. Disciplinary Sanctions

The Academic Council may impose disciplinary sanctions on students found violating the Code of Conduct. The Council may act based on prima facie evidence or subject to the recommendations of an enquiry committee appointed by it. Details of disciplinary sanction so imposed will be promptly conveyed to parents/guardians of the concerned student. The same shall be noted in the Student's Record.

- 3.1. **Fine:** The student will be directed to remit a monetary fine, either as a token punishment for the offence committed, or as compensation for the damages caused by him/her.
- 3.2. **Suspension:** The student will be put under suspension for a specified period of time, during which he/she will not be entitled to any of the academic rights and privileges provided by the college.
- 3.3. **Debarring:** The student will be debarred for a specified period of time from attending campus placements or/and from attending any/all

of the examinations forming part of his/her academic programme.
(in accordance with University rules wherever applicable)

- 3.4. **Expulsion:** The student will be expelled from the institution and will be permanently debarred from readmission to any of the academic programmes conducted by the college.
- 3.5. Any offence coming within the purview of Indian Penal Code, or incidents of ragging or sexual harassment, will be reported to the Police to be dealt with as per the provisions of the law of the land. In addition, actions as per the relevant provisions of the Code of conduct will be initiated against the offender.

1.10 Anti-Ragging Initiative

Ragging in any form is prohibited and any incidence of indulging in ragging will be reported to the police. Ragging is a non bailable offence. Ragging may also attract punishment as per section 4 of the "The Kerala Prohibition of Ragging Act 1998" which leads to imprisonment, for a term of maximum 2 years and a fine for ten thousand rupees in conviction.

Ragging: - Ragging constitutes one or more of any of the following acts:

- i. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness to a fresher or any other student.
- ii. Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.
- iii. Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student.
- iv. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher.

- v. Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- vi. Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students.
- vii. Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person.
- viii. Any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student.
- ix. Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

A “**Fresher**” means a student who has been admitted to an institution and who is undergoing his/her first year of study in such institution.

Actions will be taken against students for indulging and abetting ragging depending upon the nature and gravity of the offence as established .The possible punishments for those found guilty of ragging at the institution level are any one or any combination of the following:-

- i. Cancellation of admission
- ii. Suspension from attending classes
- iii. Withholding/withdrawing scholarship/fellowship and other benefits
- iv. Debarring from appearing in any test/examination or other evaluation process
- v. Withholding results
- vi. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.

- vii. Suspension/expulsion from the hostel
- viii. Rustication from the institution for period ranging from 1 to 4 semesters
- ix. Expulsion from the institution and consequent debarring from admission to any other institution.
- x. Collective punishment: when the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment as a deterrent to ensure community pressure on the potential raggers.

In case of ragging, you may directly contact in person or over phone to your staff advisor or any one of the following persons:

- | | | | |
|----|-----------|---------------------------|--------------|
| a. | Principal | : Dr. Suresh K | 0471-2300484 |
| b. | HoD - EC | : Prof. Rishidas | 9847099201 |
| c. | HoD - IT | : Dr. Shamna H.R | 9446422003 |
| d. | HoD - ME | : Dr. K.Jayaraj | 9400288670 |
| e. | HoD - EEE | : Dr. Asok Kumar | 9446130386 |
| f. | HoD - CE | : Dr. R Satheesh Chandran | 9496172587 |
| g. | HoD - GS | : Prof.Anitha Kumari | 8072275102 |
| h. | HoD - PE | : Dr. Anil Kumar | 9387772287 |

An anti-ragging monitoring committee has been constituted in this institution as per the guidelines issued by the Principal.

24 Hours Help-line

Toll free number : 1800-180-5522
Helpline Number : 9895855239
District Legal Service : 0471 2595173
0471 3257335
e-mail : helpline@antiragging.net

1.11 Prohibition of Mobile phones, Cinematic dances, Fashion shows etc.

- Ref:-
1. GO (Rt) No.346/05/H.Edn dated 1-3-2005
 2. Go (Rt) No.1102/05/H.Edn dated 24-06-2005
 3. Govt. Circular No.30115/K3/2009/ H.Edn dated 10-2-2010
 4. Circular No.EK1/2002 dated 23-11-2002 of University of Kerala

As per the wide references cited above, Government have given specific instructions to restrict the use of mobile phones and prohibit fashion shows and vulgar dances in the campuses. Accordingly institutional level Ethics committee has been constituted with the Principal as Chair person. In compliance with the order of Hon'ble High Court of Kerala and the instructions issued by the Government a surprise inspection squad is also constituted in the institution to ensure the compliance of instructions issued. The squad is empowered to conduct surprise inspections in the campus and will furnish reports to the principal and Ethics Committee for further necessary action. As per the instructions given by the Government, the Ethics committee will forward monthly reports to the District level committee that chaired by the District Collector. The State level committee with Honorable Minister for Education as chair person will review the reports bimonthly and issue necessary orders.

In these circumstances, all are directed not to bring Mobile phones with camera or ordinary phone in switch on position to the campus. No excuses will be entertained.

Also, the use and possession of mobile phones, pagers, programmable calculators, digital diaries and any other transmitting electronic devices are not to be allowed inside the examination halls. Any violation of this stipulation will be treated as malpractice.

1.12 Timings

The college will function from 9 AM to 4 PM for all semesters, with one hour break from 12 noon to 1 PM for lunch. On Fridays the after noon session will start at 2 PM. Saturdays and Sundays are usually holidays for academic works in the college.

1.13 Scholarships and stipends

National Scholarship Scheme

In order that no really brilliant student is prevented on the ground of poverty alone from pursuing an academic career, Government of India have formulated a National Scholarship Scheme, which will be awarded on the basis of the marks in the School Leaving examination, Higher Secondary examination or the first Degree examination. The award will be limited to scholars, the income of whose parents does not exceed Rs. 2,50,000 per year.

Merit Cum Means Scholarship

This scholarship is awarded to the students belonging to Minority Community on the basis of the marks in the Higher Secondary examination. The award will be limited to scholars, the income of whose parents does not exceed Rs. 2.5 Lakh per year.

Central Sector Scholarship

The scholarship, introduced by Ministry of Human Resource Development Department of Higher Education, Govt. Of India, aims at providing financial assistance to meritorious students from low income families. The parental income (Both Father and Mother) should not exceed Rs. 6 lakhs per annum.

Merit scholarship for the children of primary and secondary school teachers

This scholarship is awarded based on the matriculation or equivalent examination and the higher secondary examination.

E-Grantz

Online centralised system for disbursement of scholarships/schemes for all pre-matric and post matrics students of SC,ST and OBC community in the state of kerala

Merit Scholarship

District Merit Scholarship (DMS) based on SSLC marks, Rs. 4000 per year, University Merit Scholarship (UMS) based on HSC marks, Rs. 2500 per year, are also available.

National Talent Search (NTS) Scholarship

This is a Government of India scholarship based on NTS Examination.

Financial assistance to the students belonging to fisherman community for higher studies

This scholarship is given by the Government of Kerala to students belonging to fisherman community.

Educational concession to the students

Full fee concession, Lump sum grant of Rs. 500 for purchase of books and dresses, pocket money of Rs. 250 per month and monthly stipend and lodging charges.

All students whose parent's annual income does not exceed Rs. 1,00,000 are eligible for fee concession under KPCR scholarships.

Converted to Christianity from Scheduled Caste and Scheduled Tribes and other eligible communities

Full fee concession, monthly stipend of Rs. 600 and half the lump-sum grant sanctioned to scheduled caste students for purchase of books and dresses. Actual boarding and lodging charges will be paid to the students if they are residing in the hostels attached to the professional colleges with

a maximum amount of Rs. 3,000 per month.

CH Muhammed Koya Muslim Scholarship

This scholarship is given by the Government of Kerala to girl student permanently settled in Kerala and belonging to the Muslim or Latin Catholic or Converted Christians Community. Applicant should have secured at least 50% marks in the qualifying Examination. The annual income of the family should be below Rs.4,50,000.

1.14 Dress code

All students must wear dress formal only. T-shirts and other casual wears will not be permitted. When they come to laboratories and workshops, they would wear blue pants and slacks. In addition, they have to wear shoes. Loose chappals and the like will not be permitted.

1.15 Identity card

An identity card with photograph will be issued to all students. Students must wear the same always when they come to the college and must produce the same on inspection. The identity card is the property of the institution and has to be returned while relieving from the institution.

2 ACADEMIC DEPARTMENTS

A Mechanical Engineering

The Department of Mechanical Engineering at Government Engineering College, Barton hill was established in the academic year 1999 and is now headed by Dr.K.Jayaraj. The department offers a four-year B.Tech course in Mechanical Engineering and M.Tech course in Machine Design. Most of the students passed out from the department are working in top ranked international and multinational companies. A number of students from the department pursue their higher studies at IITs and IIMs and also at top ranked foreign universities. The academic focus of the department is to impart state of the art technical knowledge to the students. Conceptual understanding supported with experimental knowledge moulds our students competent enough to face the technical challenges of our nation. The faculty of Mechanical Engineering are well qualified and academic as well as industrial expertise is not at dearth.

- **Vision**

Identify ourselves as a globally recognized department for its outstanding education, research, and outreach programs that transform our students into competent, innovative and socially responsible engineers.

- **Mission**

- Impart quality engineering education to students by providing scientific, technical and mathematical skills.
- Impart training on leadership skills, communication skills and social awareness to transform the students into engineering professionals with integrity.
- Nurture capabilities in research, innovation and sustainability to make the students globally competitive.
- Network with renowned institutions in industry, academics and research.

- **Program Educational Objectives [PEOS]**

PEO – 1	To prepare students for successful careers in industry/ research/ academics/ administration and to become successful entrepreneurs.
PEO – 2	To train students with solid foundation in mathematics, science and engineering to develop innovative and sustainable solutions for engineering problems and new products.
PEO – 3	To equip students with the necessary skills, attitudes and ethics to undertake and execute challenging problems based on societal and environmental needs as well as to develop ability to relate engineering issues in a broader social context.
PEO – 4	To prepare students with capabilities for effective communication, management and team work through a multidisciplinary approach.
PEO – 5	To provide an environment that promotes leadership qualities, provides awareness to latest developments in engineering practices and creates a quest for lifelong learning.

B Electronics and Communication Engineering

The Department of Electronics and Communication Engineering in Government Engineering College Barton Hill, Thiruvananthapuram. was established in 1999. Prof Rishidas is the Head of EC Department. The students in the department are instructed, guided and motivated by a team of vibrant, highly qualified faculty. The department is equipped with state of art lab facilities, modernized with TEQIP – II funds. The department currently offers a B. Tech Program in

Electronics and Communication Engineering with annual intake of 60 students. It also offers M Tech program in Signal Processing.

- **Vision**

A learning hub in electronics and communication engineering, that enables students develop engineering fundamentals, and that builds bidirectional bridges with leading industries and world-class research centers.

- **Mission**

- Establish a learning environment that enables students build the fundamentals and study advanced disciplines related to electronics and communication engineering..
- Promote innovation and aptitude for research by exposing students and faculty into new areas of technology.
- Provide an ethical and value-based education by encouraging activities addressing societal needs.

- **Program Educational Objectives [PEOS]**

PEO – 1 **Basic Knowledge:** Represent, analyze and synthesize systems making use of theoretical knowledge, experimental data, and practical insight, arising in the fields of analog and digital integrated circuits, signal processing, communication, control, radio frequency applications and micro processor based applications.

PEO – 2 **Technical Proficiency:** Identify the advanced intra/inter disciplinary areas associated with electronics and communication engineering, informed by contextual knowledge on contemporary industry, research and societal needs, and formulated the related problems.

PEO – 3 **Professional Soft skills:** Adapt to the very fast technological changes in the field of electronics and communication engineering; be able to articulate the ideas and principles combining both mathematical precision and engineering intuition; be able to work in a collaborative environment keeping up ethical values.

C Information Technology

The Department of Information Technology at Government Engineering College, Bartonhill was established in the academic year 1999, offering a four year B.Tech. course in Information Technology and M.Tech course in Network Engineering. The department takes special efforts to impart technical knowledge to the students. The department is headed by Dr. Shamna H R. The students are focused with the use of conceptual understanding of core domain area in Computing as well as enhanced programming skills disseminating their analytical abilities.

- **Vision**

To become a leading knowledge dissemination centre, producing globally acceptable professionals capable of making technological innovations for the benefit of society and to become an integral partner in delivering innovative and effective IT services.

- **Mission**

To impart quality education in Information Technology combined with ethical values, to produce outstanding professionals capable of taking up challenging assignments and to inculcate attitudes for research and developmental activities.

- **Program Educational Objectives [PEOS]**

PEO – 1 To provide students with a strong base in mathematics, scientific and engineering fundamentals necessary to solve complex engineering problems and to pursue higher studies.

PEO – 2 To develop in students an ability to analyze and focus in the areas of Software Engineering, Computing Sciences, Information Engineering and Communication Engineering and also to become competent and innovative IT solution providers and entrepreneurs.

PEO – 3 To expose the students to cutting edge technologies in different engineering and management fields, enabling them to contribute effectively in multidisciplinary areas, with excellent communication skills and leadership qualities.

PEO – 4 To equip the students to become globally successful professionals and to instill in them a good sense of professional ethics and social concern.

D Civil Engineering

The Department of Civil Engineering was established in the year 2012 in Government Engineering College, Barton Hill, Thiruvananthapuram. The department is headed by Dr. Satheesh Chandran . The experienced, well-qualified and dedicated faculty of the department motivates and guides the students in their overall development. In order to expose them to the latest technological developments within the field, various visiting faculty programs, invited talks by academicians, training programs and Quiz programs are continuously being organized.

- **Vision**

A centre of excellence having global recognition for outstanding education, socially relevant research and innovation in the field of

Civil Engineering.

- **Mission**

- M1. Create and maintain excellent teaching and learning environment in which students receive technical and scientific knowledge, skills, insights and aspiration for life-long learning in the field of Civil Engineering.
- M2. Motivate students for higher studies, research and innovation to make them globally competitive for Civil Engineering Profession
- M3. Inculcate a tradition of professional ethics, social commitment and sustainable engineering practices

- **Program Educational Objectives [PEOS]**

PEO – 1 To produce well qualified professionals with a profound knowledge in Civil Engineering and principles of mathematics and science, reaching advanced levels in Engineering and related fields..

PEO - 2 To enable students to effectively communicate and implement technological concepts and design and to work as a team in multidisciplinary environment to excel in their careers.

PEO – 3 To equip graduates in identifying, analysing and formulating solutions to complex engineering problems catering to global needs in the field of Civil Engineering, by applying modern, sustainable and eco-friendly technologies, adherent to societal moral values and professional ethics.

PEO – 4 To nurture students to be well prepared for the industry with core engineering competency, comprehensive knowledge of modern engineering tools and good managerial skills that will enable them to have a long term engineering / entrepreneurship careers.

E Electrical and Electronics Engineering

The department of Electrical and Electronics Engineering in Government Engineering College , Barton Hill, Thriuvananthapuram was established in 2007. The department offers a four year B.Tech course in Electrical and Electronics Engineering and an M.Tech course in Power Systems and Control. Dr. Asok Kumar A is the Head of the Department. The department gives emphasis to academic as well as extra-curricular activities of the students by training them for improving their leadership qualities, presentation skills, organizing skills etc from the entry level itself.

- **Vision**

Attain the zenith in Electrical and Electronics engineering with emphasis on innovative research, design and development for the betterment of the society and nature.

- **Mission**

Mould socially committed and dedicated professionals in the field of Electrical and Electronics Engineering through continuous learning that imparts technical expertise, leadership qualities, ethical standards and moral values.

- **Program Educational Objectives [PEOS]**

PEO – 1 To mould graduates well versed in various engineering concepts and make them capable of pursuing higher education by imbibing knowledge on applied mathematics, fundamental sciences and engineering principles.

-
- PEO – 2 To nurture socially committed professional team players with multidisciplinary talents, values, ethics, and communication skills to bridge the gap between engineering knowledge and societal needs.
-
- PEO – 3 To provide an excellent environment that fosters creativity, lifelong learning and leadership qualities which enable them to contribute in the area of research and development as anticipated by the industry and the academia.
-
- PEO – 4 To impart broad and in-depth knowledge of Electrical and Electronics Engineering to address various technological challenges with focus on sustainable development.
-

F Department of Science

The Department of Science comprises the faculties from the disciplines Mathematics, Physics, Chemistry and Humanities. Most of the faculty members are Ph.D holders from reputed universities. Noteworthy points regarding research of faculty members include research experience in premier institutions abroad and highly cited publications in international peer reviewed journals of repute. The department is equipped with lab facilities for Engineering Physics and Engineering Chemistry courses. The faculty members of this department have been extending their support to the B.Tech and M.Tech students for the successful completion of their projects.

G Physical Education

Quality Physical Education programs can be life-changing for today's young people and, in many cases, already are. Such programs offer students a well-rounded opportunity to develop their bodies and minds to gain skills that will propel them to success in both the physical and academic aspects of education—and life. Keeping this in mind the department of Physical Education offers many programmes both competition and education based. Apart from the regular programme the department scheduled to give learning and training programmes to students as their own choice. All the training programmes are scheduled nearby stadiums and college fitness centre. Various workshops and classes have been scheduled for the students as well as faculties in different areas such as self defence, concentration; motivation etc. Inter Class competition is the important event and there by all the students of each class will engage in one or more games or sports. The department is headed by Prof.Anil Kumar.

2.1 ASSOCIATIONS

A Mechanical Engineering Association

It represents the student wing of the Mechanical Engineering Department. The Association arranges various technical forums and core industrial interactions. Seminars, Debates and Group discussions are conducted to improve the communication skills of the students.

B Electronics Engineering Association

The Electronics Association is a forum set up for the overall development of students. Its main programs include arranging technical talks by eminent people in various fields of engineering. The association conducts a variety of programs aimed at improving communication skills as well as basic technical knowledge of the students. Every year the association organizes a mini project exhibition '*e-spark*' for pre- final year students.

C IT Association

The IT association functioning in the college is organizing various programs for bringing the state-of-the-art technology to the students. Invited talks, seminars, workshops on new technologies, training on real time projects with IT industries etc. are envisaged by the association. The association also plans inter/intra-collegiate competitions on technical paper presentations, coding and code debugging, system design, web design, code testing etc. Campaigning will also be made to develop the culture of using open and free software among the students inside and outside the college.

D Electrical Engineering Association

The primary aim of the association is to promote and develop contacts between students and professionals. The sharing of ideas and experience among electrical engineering students is made possible through workshops, exchanges and other activities. The electrical engineering aspects are expressed through workshops, the most important activity of the association. During the workshops, lectures are presented by specialists from the industry and universities and discussions are conducted in small group sessions. Subjects are selected from new technologies and special fields of electrical engineering including Power Systems. Industrial visits are also part of the activities of the association.

E Civil Engineering Association

The Association of Civil Engineers conducts various programmes including expert lectures, technical competitions and exhibitions for the overall development of Civil Engineering students. It is a platform for students to interact with professionals working in various fields of Civil Engineering. The association aims to create a genuine passion towards this basic stream of Engineering such that students emerge as successful practicing engineers and also to give proper guidance for those who are opting for higher education. It also enables the students to showcase their talents.

3 FACILITIES

3.1 Laboratories

A Mechanical Engineering

(a) **CAD Lab:**

Provides training in programming languages such as C and C++, AutoCAD, Designing, Modelling and analysis, ANSYS.

(b) **Heat transfer laboratory:**

The lab is equipped with various experimental setups like composite wall, metal rod, lagged pipe, forced convection, free convection, blower, refrigeration test, airconditioning test and multistage compressors, emissivity apparatus, heat pipe apparatus, Stefan Boltzman Heat Exchanges, Pressure and Temperature Calibrators and Pitot Tube.

(c) **Metrology and Instrumentation laboratory:**

It is equipped with basic measuring instruments and modern instruments like sine bar, profile projector, metallurgical microscope, tool makers microscope, autocollimator, surface roughness tester, LVDT, CNC machines, robot, PLC trainer, strain gauges etc.

(d) **Automobile model room:**

Scooter engine with transmission system, differential unit, clutch unit, gear box etc.

(e) **Basic mechanical engineering workshop:**

Facilities include fitting, carpentry, smithy, foundry, sheet metal, plumbing etc.

(f) **Fluid Mechanics and Hydraulics Machines Lab:**

The lab is equipped with flow measurement set up's such as orifices, notches, venturimeter, pipe friction apparatus, metacentric height apparatus, Bernoulli's theorem apparatus, Reynolds experiment set up, Pumps and Turbines, Computerised Turbine Test Rigs.

(g) IC Engines laboratory:

The lab is equipped with two stroke and four stroke single cylinder and multicylinder petrol and diesel engine test set up with different types of loading systems, More test facility, Retardation test facility, Heat balance test facility, fuel and lubricant properties test facility, compressors and blower.

(h) Non Destructive Testing Facility:

This facility is equipped with ultrasonic flaw detector and thickness gauge, magnetic particle testing Eddy current flow detector and Pentrant testing. It has got ASNT standard test specimens for complete training.

(i) PG Laboratories:**PG computational laboratory:**

Lab is equipped with computer systems with softwares ANSYS, ABAQUS, CATIA, etc

PG dynamics Laboratory:

Lab is equipped with facilities like UTM, DAC system, Composite fabrication, etc.

B Electronics and Communication Engineering

The Department of Electronics and Communication Engineering has well-equipped labs such as

(a) Electronics Devices Laboratory:

This is the entry level lab conducted at third semester. Contains several Functions Generators, Panel meters, DC power supplies, over a dozen entry level Oscilloscopes (CRO), and one digital LCR meter.

(b) Digital Integrated Circuits Laboratory:

This is where the digital electronics experiments are conducted. Lab contains Digital trainer kits and Digital and Analog IC testers and Digital and Analog Multimeters.

(c) **Electronics Circuits Laboratory:**

Discrete components based basic electronic circuits experiments are conducted in this lab. The lab has DC power supplies and signal generators and 10 numbers of Digital Storage Oscilloscope.

(d) **Analog Integrated Circuits Laboratory:**

Advanced Analog Integrated Circuits based experiments are conducted in this lab. Facilities include 60MHz DSOs, Function Generators, DC power supplies, and Analog IC tester.

(e) **Communication Engineering Laboratory:**

It contains one high end DSO, Six numbers of 60MHz DSOs, 6 Function generators, and 10 numbers each Digital and Analog trainer kits. The lab also contains high end CROs, Function generators, DC power supplies and LabVIEW virtual instrumentation software.

(f) **Microcontroller Laboratory:**

Xilinx ISE design suit 10.1, Tanner T-Spice full version, Spartan 3/3E development board, BF 537 Development boards, 8051 development board, PIC development boards are also available for conducting experiments and projects. These are funded from AICTE, under the MODROBS project (net worth INR 8.00Lacs). The lab is also equipped with 8086 and 8085 trainer kits and its various interfacing cards.

(g) **Electronic Product Design Facility (Miniproject Facility):**

Students are making use the pooled resources from all the labs for their Miniproject and final year projects (course Nos. 08.608, 08.710 and 08.808).

(h) Communication Systems Lab:

Equipments in this lab include Digital/Analog Communication Trainer kits, Function generators, AM/FM Signal generators, Projectors and One HP Laserjet Printer (HP 1007).

(i) Digital Signal Processing Laboratory:

Several DSP Starter Kits including TMS320C54X, TMS320C6713 and TMS320C6416 with accessory boards and associated bundled softwares. Purchase of additional DSKs in progress.

(j) Microwave and Optical Laboratory:

This lab contains Klystron Power Supplies, Klystron Sources, Gunn Diode Oscillators, Gunn Power Supplies and VSWR and Microwave Frequency meter to conduct various experiments at Microwave frequencies. The lab also contain Optical trainer kits for conducting Optical Communication experiments.

(k) EDUSAT Facility:

Satellite-based interactive multimedia system with DW7700 modem, multimedia projector, High End Desktop (on Windows XP), HP LCD Projector, 1.2m diameter dish antenna, RF Microphone, video capture Card, and Sony handy cam with tripod. All the equipments are provided by the Department of Space under the EDUSAT programme.

C Information Technology

The Department of Information Technology has four laboratories and a central server room. The department has the necessary software and hardware infrastructure for the conduct of all the 10 laboratory/practical subjects in the B.Tech and M.Tech curriculum. All the student projects are done in-house. Each laboratory room has networked printers over Ethernet LAN. Although the emphasis is on the use of Linux and open source software, other popular proprietary software platforms are also

supported. In addition, the department provides the necessary technical support for the smooth functioning of the campus-wide network in the college. A 100 Mbps internet connection via firewall and proxy server is provided to the entire campus through fiber optic links. The department is one of the nodal centers for the facilitation of the Centralized Allotment Process (CAP) for admission to professional courses.

(a) **Server Room:**

This room has 5 server machines with SCSI/SATA drives, RAID-5 capability, CD towers, routers, hubs and cable modem, housed within a central rack. Different servers are set apart for managing various activities. The OS platforms provided are Enterprise Linux, Windows Server and Solaris. A Software-testing Laboratory with HP Functional Testing software has also been set up under the modrobs project of AICTE. The server room is also have the facilities like 2 IBM rack server, 8 HP blade server, Fortigate 200B (UTM), SAN storage.

(b) **Web Application Laboratory:**

This lab has 72 system with full fledged audio video facilities. This lab is also used for conducting online examinations. The lab is provided with a projector and a motorized screen which facilitates in conducting expert talks.

(c) **Internet Laboratory:**

This lab runs on thin-client machines running under Enterprise Linux as well as desktops running under Windows. 36 terminals are provided for Internet connectivity and running various software labs in the curriculum.

(d) **Programming Laboratory:**

This lab has 80 desktops with full fledged audio video facility. The lab is provided with a projector and a motorized screen which facilitates in conducting expert talks.

(e) **Network Laboratory:**

This lab has 8 CISCO routers, switches, high-speed modems and 36 dual-boot desktop machines. A wireless LAN laboratory with wireless access points/routers, wireless site survey kit and other equipment set up under the MODROBS project of AICTE.

(f) **Project Laboratory:**

This lab is equipped with 25 desktops, crossworks for ARM and Quel Net software.

(g) **Network security lab:**

The lab is equipped with CISCO security enabled routers and switches which are kept in 18 racks and 32 desktop machines that works in linux.

(h) **Software Testing:**

This lab is equipped with 15 desktops, one projector and a monitored screen to conduct PG Labs.

As additional activities various online exams are performed in the laboratories like CMAT, NASSCOM, ASAP, Federal Bank, Campus placement of Infosys, Mu Sigma, Capgemini etc

D **Electrical and Electronics Engineering**

(a) **Electrical Machines Lab:**

This laboratory is equipped with different types of DC Motors like Series, Shunt and Compound Motors, Motor-Generator sets, Single and three phase Transformers, Auto Transformers, Single and three phase Induction Motors, Alternators etc. The machines are provided with suitable starting and loading arrangements for conducting various tests to analyze their performances. Measuring instruments such as Voltmeters, Ammeters, Wattmeters, Tachometers etc. of various ranges and types are also available for conducting the tests on the machines as per the B.Tech curriculum.

(b) **Digital Circuits and Electronics Circuits Lab:**

The lab is fully equipped with the facilities to conduct all the experiments in Digital Circuits and Electronics Circuits as per the prescribed syllabus of KTU. Making use of the facilities in the lab, the students can do project works for their final year of study.

(c) **Electrical and Electronics Workshop:**

This workshop gives hands on training to the students on different types of Domestic, Commercial and Industrial wiring. The workshop also equipped for conducting experiments in Basic Electronics Circuits which is part of the curriculum of B.Tech Syllabus.

(d) **Microprocessor Lab:**

This lab is equipped with the facilities to conduct all the experiments with 8085 and 8086 Microprocessors including interfacing devices and also 8051 Microcontroller kit.

(e) **Measurements and Instrumentation Lab:**

This lab is equipped with Vernier Potentiometer, Slide wire Potentiometer, Wheatstone Bridge, Kelvin's Double Bridge, 3phase and single phase Autotransformers, Voltmeters, Ammeters, Galvanometers, Screw Gauges, Stop watches, Volt ratio boxes, Standard cells, Standard resistances, DC Power Supplies, Function Generators, Digital Storage Oscilloscopes, CROs, Water loads, Resistance boxes etc. Calibration of single phase and three phase Energy Meters by different methods, calibration of Voltmeters, Ammeters, Wattmeters, different methods of Resistance measurements, determination of B-H curve of specimens and Operational Amplifier based measuring experiments are conducted in this lab.

(f) **Power Electronics Lab:**

Power Electronics Lab is equipped with Trainer kits to plot characteristics of various Power devices like SCR, TRIAC, IGBT, MOSFET as well as Power device modules for switching operation using various switching methods. Converter, Invertors, Coppers,

Cyclo converters etc are setup for experimental purpose. Necessary equipment/meters as Function Generators, Analog/ Digital Storage Oscilloscopes, Power scopes, Multimeters, Power/Isolation Transformers are available. The PE lab is recently enhanced into a research lab installing modern Power Quality Analyzer, Photo Voltaic training system and advanced Grid tied Research system.

(g) Systems and Control Lab:

Systems and Control lab facilitates the students to characterize the systems with Transfer Functions and their Stability Analysis using conventional control system methods like Root Locus, Bode Plot , Nyquist Plot etc.This lab also demonstrates the principles of Stable System Design using hardware such as DC and AC Servo Motor kits, AC Synchro System etc. and the software simulation packages such as MATLAB. The lab equips the students to apply the Control System principles in practical design problems.

(h) Software Lab cum Power System Simulation Lab:

The Software lab has sufficient number of PCs in a network installed with latest software packages like C, C++, Fortran, e-Tap, Mipower and MATLAB. It houses both the hardware and software enhancements to provide our B.Tech and M.Tech students for their curriculum syllabus and also for the research work in the field of Power System.

(i) Power System Lab:

Power system lab is equipped with various experimental setup such as Transmission Line trainer, Insulation and Earth Meggers , various types of Relay test kits.

Electrical Maintenance unit of the department undertakes urgent Electrical installations and maintenance of the whole campus using the facilities in the lab.

E Civil Engineering

(1) Civil Engineering Workshop Lab:

Provides training in setting out of buildings, brick masonry, testing of construction materials and quantity estimation.

(2) **Strength of Materials Lab:**

The lab is equipped with Universal testing machine(UTM), Spring testing machine, Impact testing machine, Hardness testing machine, Torsion testing machine and torsion pendulum.

(3) **Survey Lab:**

The lab is equipped with Total station, Dumpy level, Prismatic compass, Subtense bar, Planimeter, Theodolites and Plane tables.

(4) **Concrete lab:**

The lab has facilities for testing cement, aggregates, fresh concrete and hardened concrete.

(5) **Geotechnical Engineering Lab:**

The lab has facility for testing the various parameters of soil.

(6) **CAD Lab:**

Provides training in analysis and design of steel and concrete structures in SAP as well as drawing in AUTOCAD.

(7) **Transportation Engineering Lab:**

The lab has facility to test pavement materials like soil, bitumen and aggregates.

(8) **Environmental Engineering Lab:**

The lab facilitates testing of water and sewage.

F Physics lab

The lab has experimental setups for doing basic Engineering Physics experiments. These include experiments based on acoustics and basic

optics phenomena such as diffraction, dispersion, interference etc. Dr. Neena Sugathan is the lab in charge.

G Chemistry lab

The lab is equipped with facilities for Quantitative Inorganic analyses, Organic Polymer preparations and some of the instrumental methods of Chemical analyses which are incorporated in the syllabus of S1/S2 B.Tech courses of APJ Abdul Kalam Technological University. Dr. Valsaraj V Pis the lab in charge.

H Language Lab

The Language lab has been set up as a means of improving the communication skills of the students of the college, especially the weaker sections. It's being offered as part of KTU s1 and s2 curriculum. A subject trained faculty is engaged to handle the classes.

3.2 Career Guidance and Placement Unit (CGPU)

The Career Guidance and Placement Unit (CGPU) of the college is actively organizing many events for the students to get placements in reputed organizations. There are good track records regarding campus placements took part in the previous years. Organizations like Infosys, TCS, Wipro, Accenture, vsnl, HCL, DELL, IBS, Larson and Tubro, Greaves Cotton, Anglo-Eastern Ship Management, Computer Science Corporation, Informatica, Nest, us Technology, Oracle, Capgemini, Mercedes, Benz, Alcatel, QuestGlobal, Musigma etc have come to our campus for recruiting students. The organizations specify the academic requirements, and only those candidates having such eligibility will be considered for the selection process. The students are informed about the recruitment programs, and if necessary special coaching programs will be arranged for them to get through the selection process. Trainings on soft skills, group discussions, how to face interview etc are being conducted on a regular basis. Master trainers from outside are also invited to campus for giving training to our students on various skills so as to empower them in attaining good placements. Classes are also being arranged for enlightening the students to pursue higher education in India and abroad. Industry experts

are also invited to campus for giving exposure on various state-of-the-art technologies. Guidance will also be given to students for choosing best career options. Entrepreneur development programs are also arranged by the unit for the students. A core committee with representatives from pre-final year students of all batches facilitates the activities of the unit.

The training wing of CGPU functions with a view to enhance the soft skills and employability of the students by way of organizing expert lectures, special classes and various training programs. Training programs are organized on various fronts such as interpersonal skills, linguistic and quantitative abilities as well as technical proficiency. Dr .Remesh. S, Associate Professor, Department of Mechanical Engineering is the Coordinator in charge of CGPU.

3.3 Industry-Institute Interaction Cell (IIIC)

Industry–Institute Interaction Cell in this college function as a forum of interaction between industries and the college, for mutual benefit. A committee consisting of representatives from industry and the faculty used to monitoring the activities of the cell. Dr.Deepthi Sasidharan, Professor, IT, is the present nodal officer of the cell.

3.4 Industrial Training

The Departments of the college facilitate an Industrial attachment programme to give the students a real feel of the work culture. Industrial training where carried out in the reputed firms such as KAL, BRAHMOS, Cochin Shipyard, Hyundai Motors, Toyota Kirloskar Motors, Travancore Titanium Ltd, KELTRON, BSNL, AIR etc.

3.5 The Visiting Faculty Programme

The visiting faculty program was introduced in various engineering colleges by the Government of Kerala. Under this program experts from industries and reputed research institutions are invited to deliver lectures to conduct seminars on latest technological and scientific developments. Distinguished faculty from prestigious academic institutions (IISc Banga-

lore, IIT Madras, IIT Bombay, IIT Kharagpur, IIST, NIT Trichy, NIT Calicut etc) and experts from industry visited the college and delivered lectures on a host of topics ranging from core concepts to cutting-edge technologies. Prof. Wilbert CE is the convener.

3.6 IPR Cell

Intellectual Property Rights (IPR) cell has been setup in the college. This cell functions as a satellite centre for Patent Facilitating Centre of TIFAC, Government of India. The major objectives of the centre are to organize technical programmes to generate awareness among public on Intellectual Property Rights (IPR) and thus nurturing students research scholars, scientist, technocrats, professionals, industrialists, grass root innovators, etc. It aims to increase the Intellectual Property output of the State by facilitating and guiding people from different walks of life. The cell will provide technical, legal and financial assistance for filing patent and facilitates to access patent related documents.

3.7 Free Software Cell

Free Software Cell is an initiative by the students of GEC, Barton Hill to promote the usage of free software in technical and personal computing domain as well as to appreciate the philosophy behind open source initiatives among the students and public. The website of the cell *www.fsc.gecbh.ac.in* is solely managed by the students using free software technologies.

3.8 College Library

The college is having a full fledged library with a good collection of books which cater to the needs of students. Periodicals and technical journals are available in the library. A separate reference section is also arranged for the students to read various topics of their interest. Good collection of books, under the book bank scheme has been implemented. Various E-Journals like IEEE, ASME, ASCE, Springer, Science Direct etc. are available in the library. A computerized library information system with easy search facility has also been implemented. RFID tags and RFID Security system are installed in the library.

All students and teachers of the college are members of the library. The library is functioning under the guidance of a committee.

1. The library and reading room shall be kept open from 9 AM till 6 PM on all working days.
2. All the students/scholars and outsiders entering the Library shall deposit their bags and other belongings at the entrance and sign in the Register at the checkpoint. Only paper and the Library books to be returned will be allowed inside. Do not let or leave any valuables at the reading area. Library is not responsible for any loss of personal belongings. All files, books and notebooks must be kept at Property Counter. Library does not permit any exception in the observance of this rule.
3. Identity Card is compulsory for getting access to the library. All the students are advised to bring their own ID Cards while using the Library facilities.
4. Books removed from the shelves by students, if not required for reference, should be kept on the table nearest to them. Please do not try to shelve them yourself. Please remember that a book misplaced is a book lost.
5. Underlining, marking, folding of pages, drawings and writing comments, etc. in the books are strictly prohibited. If anyone is found doing so, he will be charged the full replacement cost of the resource. Books borrowed should be protected from RAIN, DUST, INSECT, etc.
6. All the students who want to return the books issued on their names are advised to wait until the books are shown as cancelled against their names.
7. The physical condition of the book should be checked. Any mutilation of pages must be brought to the notice of the circulation in charge otherwise the borrower himself/herself shall be responsible for mutilation of the book if detected afterwards.

8. Watching movie or video on laptop, playing game on laptop, sleeping, talking loudly, and eating food items are strictly prohibited.
9. There will be a fine of Rs. 1.00 per book per day.
10. Students are advised not to issue Books to others on their names.
11. Conversation and discussion disturbs library ambience. Therefore, all are requested to maintain dignified silence. If discussion is necessary, the common room should be utilized for the same.
12. All users are requested to keep their mobiles switched off or in silent mode in the Library.
13. Beverages and Eatables are not allowed inside the library.
14. No visitor or guest is permitted to use the Library without the prior permission of the Librarian. He/She is required to produce a proper introduction letter from the concerned Institution/Organization to which he/she is attached.
15. Library reserves the right to call back any issued book/item at any time.
16. All students are advised to come to the Library in decent dress as they are in the classrooms.
17. Books for references, newspapers, illustrated and rare books, multivolume collection, serial publications and periodicals will not be issued out.
18. Library staff will not be responsible for things left in the library hall.
19. Some items in the library cannot be copied because of copyright laws, poor condition, or downer restrictions.

20. Suggestions on all aspects of library services are welcome. Demand and suggestion slips are available at the circulation desk for your use.

3.9 College Hostel

A ladies hostel is functioning in the college precincts since July 2012. The hostel provides accomodation to 280 inmates. The hostel mess is running on a dividing system under the supervision of mess committee. Prof.Rahmathulla, Assistant Professor,is the warden of hostel.

3.10 Personal Growth Centre

Personal Growth Centre enhances the wellness of staff and students. This is achieved by ensuring personality development through Physical, Mental, Emotional and Spiritual means. For this purpose college have Counselling, Share and Grow Rich, Personal Growth Library and Human Engineering centres. These centres are managed by individual staff member in-charge under the supervision of Prof. Dhanya C K. Out of the mentioned four centres the first three centres are in place and activities are being conducted regularly. Human Engineering Centre integrates various techniques of development in and out of the campus. It interacts with experts in various fields and updates all activities on a continuous basis.

3.11 The Ladies' Amenity Centre

The amenity center for women is working at Room No. MG 05 in the main building of Government Engineering College, Barton Hill. A library section of the Women's Study Unit donated by Lions Club functions here. The center serves as a rest room for the sick and provides facilities for first aid and other basic amenities. Chess boards are available on request during leisure time. Dr. Indu. R.S, Assistant Professor, Mathematics is acting as the staff member in charge.

3.12 Student Facilitation Centre (SFC)

Student Facilitation Center is functioning in the first floor of the main building under the staff club. It provides Text books, stationery and refreshments. A reprographic facility is also available.

3.13 College bus

Three college buses are operating for the convenience of students and staff of this college. It is controlled by a Transportation Committee of our institution and is coordinated by Mr. Santhosh, Assistant Professor in Mechanical Engineering.

3.14 Alumni Association (GECTAA)

The institution has a well established alumni association. All students of the college who have completed the course are the members of the association. The association provides scholarships to meritorious and financially backward students. It also honors the best outgoing student in each department. Prof. Ramesh S, Associate Professor, Department of Mechanical Engineering is the staff member in charge. Alumni Association conducts annual get together in every December.

3.15 Civil Service Study Club

Taking care from the alumni of Govt. Engineering College Barton Hill who brought laurels to their alma matter by way of figuring in the rank lists of All India Civil Services Examination, a study club has been formed under the aegis of CGPU. The chief objective of the study club is to provide guidance and assistance to civil service aspirants among the students.

3.16 The IEEE Student Branch

Website	: www.ieeegecbh.org
e-mail	: ieeegecbh@gmail.com
IEEE Student Branch Code	: 64271
School Code	: 41707494

The IEEE Student Branch of Government Engineering College Barton Hill started functioning from January 2005 with 35 student members and three faculty members. The branch got its formal approval from the IEEE Headquarters on September 27, 2005 and obtained the branch code (STB 64271) and school code (41707494) from the IEEE Headquarters wide letter dated September 29, 2005. Prof. K.C Raveendranathan (LM ISTE, FIE, FIETE, SM IEEE, LM IRSS) took charge as the branch counselor.

Since its formation the student branch has been actively involved in all activities within the Kerala Section. The members of the branch have participated in all HUB level and LINK level events. The branch has also successfully organized many events in which students from some of the most reputed engineering colleges in Kerala have participated. IEEE GECBH student branch is one of the active student branches in the Kerala section.

The branch also formed a WIE affinity group which got its formal approval from the IEEE headquarters on October 3, 2008. The group has organized many activities within the college as well as outside the college premises. The student branch has witnessed a steady growth in its number of members over the years. The branch has 150 student members and 5 faculty members at present. We are also planning to organize many more events this year. The activities of the student branch ever since its formation strongly upholds our motto ‘Scaling New Heights’.

3.17 Innovation and Entrepreneurship Development Cell (IEDC)

The Innovation and Entrepreneurship Development Cell of GECBH has been established in the year 2017. The mission of the IEDCs is to develop institutional mechanism to create entrepreneurial culture in academic institutions to foster growth of innovation and entrepreneurship amongst the faculty and students . The cell usually conducts programmes that ensures the promotion of startups and new innovative ideas and the beneficiaries will be the students and faculties. In a short span of 2 years, the cell has secured a position in the top ten engineering colleges in Kerala. The cell is controlled by an elected board of governors and is headed by Prof. Shijin Knox G U of Department of Information Technology GECBH as Nodal Officer.

3.18 Indian Society for Technical Education (ISTE)

Indian Society for Technical Education (ISTE) is a national professional body consisting of nearly 40,000 engineering teachers and academicians. The activities of ISTE have several dimensions such as career development, subject upgradation, personality development, communication skill development, aptitude development, preparation for competitive examination etc. The aim of ISTE is to prepare faculty and students into master trainers

and master students respectively. This college is an institutional member of ISTE and the institution code of ISTE is **IM4567** (Chapter Code: **KE - 068**). prof. Jayasree P, Assistant professor Department of Information Technology is the secretary if ISTE Chapter.

3.19 Computer Society of India

Computer Society of India established in the year 1965 is today the largest IT professionals Society in India. The purposes of the Society are scientific and educational advancement of the theory and practice of computer science, computer engineering and technology, systems science and engineering, information processing and related arts and sciences. The mission of the CSI is to facilitate research, knowledge sharing and career enhancement for all categories of IT professionals, while simultaneously inspiring and nurturing new entrants into the industry and helping them to integrate into the IT community. Today, the CSI has 66 chapters all over India, 381 student branches, and more than 40,000 members, including India's most famous IT industry leaders and dedicated academicians.

Government Engineering College Barton Hill is an institutional member of this premier professional society. The student branch of CSI at this college, with Prof. Josna V.R, Assistant Professor of IT Department as the branch counselor is organizing various programs for meeting the envisaged vision of the society. The chapter organizes workshops and technical talks for the member every year.

3.20 National Service Scheme (NSS)

National Service Scheme is a powerful and dynamic movement in the country. The NSS unit in our college provides opportunities to the teachers and students to gain practical experience through community service. The staff member in charge of the unit is Prof.Saji, Associate Professor, ECE.

3.21 Advanced Diploma In Automotive Mechatronics (ADAM)

Advanced Diploma in Automotive Mechatronics (ADAM) is a one year course introduced at Govt. Engineering College, Baron Hill in collaboration with Mercedes Benz, India in the year 2014. The collaborative course designed by M/s Mercedes Benz, India 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. Candidates who have a Degree/Diploma in Mechanical Engineering/Automobile Engineering Electrical / Electronics Engineering/ Electronics and Instrumentation Engineering/ Mechatronics/Applied Electronics and equivalent disciplines is eligible for admission to ADAMS. Course duration is one year with fee of Rs. 85,000/- (Rupees Eighty Five Thousand only). 20 students are admitted for each academic year, out of which a maximum of 5 seats are reserved for Mercedes-Benz India Dealer nominees. Admission to the course is through entrance test conducted at the college. Entrance test comprises of theory and practicals. On successful completion of the course, the candidates will be awarded certificate duly signed by the Director of Technical Education, Kerala and Mercedes-Benz India Pvt. Ltd. Dr. N.R. Rajesh, Associate Professor, Department of Mechanical Engineering is staff member in charge.

GECEB-Bosch , Joint certification centre

The centre has been established under the ADAM scheme. Certificate programs are offered by the centre on Automotive Vehicle Diagnosis, automotive Electricals and Wheel alignment for B Tech/Diploma/ITI students of relevant branches. Prof Anu Muhammed is Staff member in charge

3.22 Translational and Professional Leadership Center (TPLC)

TPLC is a promising research center started in collaboration with Columbia University; New York, University of Montreal; Canada and IITM; Chennai which focus on promoting Programmes which focus on bridging the gap between Research and Practice. The gap between Research and Practice in all areas of engineering is increasing at an alarming rate and it calls for urgent attention from our side. TPLC started functioning in the year 2013 with its office at Government Engineering College Barton Hill. The major maiden Programme of TPLC is the upcoming Interdisciplinary M.Tech programme in Translational Engineering with special emphasis on Social Responsibility, aiming at moulding Engineers to step forward to become responsible engineers beneficial for the society as well as for the Nation. The other programmes proposed are Training Programmes for practicing Engineers, Motivational Programmes for MTech students, Community level Programmes etc.

3.23 Step 4 U

Step 4 U is a special Training and empowerment programme exclusively for the Scheduled caste (SC) / Scheduled Tribe(ST) youth which aims at ensuring better livelihood opportunities through developing employable Technical skills that are in tune with technological advancements and the needs of the Industry. The project undertaken by the Department of Technical Education with the financial assistance of the Scheduled caste (SC) / Scheduled Tribes Development department (SCDD) will be implemented through Government Engineering Colleges. Prof. Santhosh Kumar.S.V, Assistant Professor, Mechanical Engineering is the programme coordinator.

3.24 Scholar Support Programmes

The Scholar Support Programme, part of the ‘New Initiatives in Higher Education’ initiated by the Department of Higher Education, Govt. of Kerala aims at imparting additional support to students in curricular areas of weakness. Students who are backward in their academic activities are found out and they are given special care and attention to achieve their goal. Prof. Santhosh Kumar.S.V, Assistant Professor, Mechanical Engineering is the Coordinator.

3.25 Additional Skill Acquisition Programme

Government of Kerala has initiated an ambitious programme, the Additional Skill Acquisition Programme (ASAP) with the objective of tackling the issue of growing unemployment in the state. The programme aims at equipping selected school/college students with skills in Communication, IT and selected areas of industry and service sectors. At Level 1, ASAP imparts 300 hours of skill training to selected first year students (30 per batch, maximum 2 batches in an institution). Of this, 180 hours will be a foundation module comprising of Communication Skills and IT skills and the remaining 120 hours will be the module related to the skill sector chosen by the student.

ASAP has been launched in the college during 2012-13. The Classes under ASAP will be engaged by Skill Development Executives identified by the Government/Industry, generally for one hour on working days, before/after

the normal working hours of the Institution. The college has arranged rooms with Computer and LCD facilities (Smart Class Rooms) to conduct the classes.

3.26 CERD Innovation Center

Centre for Engineering Research and Development (CERD), established by Government of Kerala to act as a platform for the faculty and students of engineering colleges in the State to pursue their interest in basic and applied research in Engineering and Technology.

The innovation centre funded by CERD Trivandrum for an amount of Rs: 20 Lakhs, is functioning in GEC Barton Hill from 3rd December 2013 onwards. The facilities of an innovation centre have to evolve as new ideas; projects and requirements come in. The broader objective of the innovation centre is to provide a platform for students and faculty to experiment with their innovative ideas. Dr.Elizabeth Cheriyan, Assistant Professor, Department of Electronics and Communication, is the staff member in charge of the innovation centre. Students of any branch/batch can utilize the facilities by presenting their ideas in front of a committee and getting it approved for future implementation and funding.

3.27 Technology Business Incubation Center

A Technology Business Incubator (TBI) has been established in the month of June 2014 with focus on software development as an important facility of Government Engineering College Barton Hill . TBI-GECBH provides services and support for a wide range of requirements needed by a new business start-up in a technology area. Depending on the demand and resources availability, TBI-GECBH will provide Training and Information support, Office Support and Common Facilities, Infrastructure and Man-pocompanyr, Industry Oriented Software Training, Memorandum of Understanding, Strategic Planning and Business Development etc. Presently, Six companies registered and started functioning in TBI-GECBH and have Signed MoU with the institution.

3.28 Parent Teacher Association

A Parent Teacher Association is actively working in the college. The objectives of the association are:

1. to work for the welfare of the students and the institution.
2. to offer constructive suggestions for the smooth and successful functioning of this college.
3. to promote better participation of the parents in the various programs of the college and to establish better liaison with the teachers

The PTA provides financial assistance to meritorious and needy students with consistent academic record. The best student in each branch of engineering is awarded by the PTA. Cash awards are also given to top scorers of even semesters in the university examination.

Prof.SunilKumar.T.S Memorial Endowment Award(Awarded to the highest CGPA scorer in each branch of s1s2 examination)sponsored by teachers and staff members(executed in memory of Late Prof.SunilKumar.T.S,former Prof of ECEDepartment)

Prof.S.Krishnan Kutty Memorial Endowment Award(Awarded to the highest CGPA scorer of B.tech course in each year)sponsored by teachers and staff members(executed in memory of Late Prof.S.Krishnan Kutty,former Prof of IT Department)

Sri.T.A. Madhavan Pillai–Smt.K.N.Seetha memorial endowment cash prize, instituted by former principal Prof. M. Mahadevan is given to the student with the best GATE score in the annual general body meeting of PTA. prof.Shijin Knox G U, Assistant Professor, Information Technology,is the Secretary of PTA.

Dr.B.Anil Endowment award (Awarded to the best student of final year B.tech class) executed and sponsored by Dr.B.Anil, former Principal of GECBH.

E.J. Somaraj Memorial Endowment Award (Awarded to the topper in Electrical Machines I and II (sessional and theory exam)) sponsored by Prof.Sheela.S, former PG Dean and Prof of EEE Department(executed in memory of Late Mr.E.J.Somaraj, father of Prof.Sheela.S)

Fr.John Chathoth Memorial Endowment Award(Awarded to the topper in Geotechnical Engineering I and II(sessional and theory exam))sponsored by Prof.Mary John.C,former Prof of CE Department(executed in memory of Late Fr.John Chathoth,father of Prof Mary John.C)

The office bearers of the PTA during 2013-2014

1. President	Dr. Suresh K	0471-2300484
2. Vice- President	Sri.Vijayakumar S	9746769981
3. Secretary	Prof.Shijin Knox G.V	9961395039
4. Joint Secretary	Smt.Gigi Cherian	7907518528
5. Treasurer	Prof.Nelsa Abraham	9495975074
6. Member (Parent)	Sri.Saji Varghese	9447222043
7. Member (Parent)	Sri. Suresh S	9447112247
8. Member (Parent)	Smt. Preetha C.G	8301833739
9. Member (Parent)	Sri.Robinson B	9895033921
10. Member (Parent)	Sri.Mohanakumar V	9495348642
11. Member (Parent)	Sri.V P Suresh.	9496686254
12. Member (Parent)	Sri.Satheesh Chandran	9447770368
13. Member (Parent)	Sri. Rajendran S	9447489017
14. Member (Parent)	Smt. Priya V	9061245937
15. Member (Parent)	Smt.Pushpamany T.S	9400714534
16. Member (Parent)	Prof.Anithakumari	8078275102
17. College Warden	Dr.Rahmathulla K	9447104551
18. HoD EEE	Dr. Dr. Asok Kumar	9446130386
19. HoD IT	Dr. Shamna H.R	9446422003
20. HoD ME	Dr. K.Jayaraj	9400288670
21. HoD ECE	Prof. Rishidas	9847099201
22. HoD CE	Dr. R Satheesh Chandran	9496172587
23. College Union Advisor	Prof. Sunil C Bahanan	9446536171
24. PG Dean	Dr.Dinesh Pai A	9446101858
25. HoD PE	Dr. AnilKumar N	9387772287

3.29 Staff Club

With the aim of promoting social interaction and to cater the recreational needs of the staff, the staff club was formed in the college. Teaching, non-teaching, office and library staff are the members of the club. Participation in the major events happening in the family of members, organizing lectures on specific topics by experts, health-care programs, celebrating festivals, conducting family tour, annual family get-together etc are some of the activities of the staff club.

3.30 R and D

Research and development has become a dominant part of academics. There are a lot of uncertainties and / or difficulties associated with carrying out R and D activities and hence an R and D committee is constituted under TEQIP II to motivate and guide students to take up innovative research works. It aims to provide meaningful contribution to sustainable technological development of the country and to promote interdisciplinary research.

Under R and D, student projects of latest research significance are given a maximum assistance of Rs.50, 000/- to accomplish the task. Financial assistance (of maximum two lakhs rupees) in the form of seed money is granted to faculty to initiate research work in engineering and technology. Students and faculty are encouraged to publish their research work in leading journals. The committee members are Dr. Jiji Anna Varughese (Nodal officer, R and D), Dr. Rajesh N.R., ME, Prof. Beena S, EC, Prof. Sunil C Behanan, CE, Prof. Vinod V, EEE and Prof. Jayasree P, IT

3.31 Bamboo Research Centre

Bamboo is universally admired for its pleasing shapes, colors and overall aesthetic, and as a renewable resource that grows quickly and has low-impact requirements for land area, water and nutrients. Govt.Engg College, Barton Hill is selected for the implementation of Bamboo Technology Center by the Govt. of Kerala in March 2016. The main objectives of the center are to promote research, standardize bamboo as an engineering material, provide database to support the development of codes, guidelines, standards and manual for sustainable infrastructure development, Promo-

tion of regional level consultancies along with various governmental and non governmental agencies, to offer research fellowships for activities coming under the scope of the centre.

4 KERALA TECHNOLOGICAL UNIVERSITY ORDINANCE

This may be called the A. P. J. Abdul Kalam Technological University Academic Regulations for B. Tech, 2019. These are subject to the provisions of the APJ Abdul Kalam Technological University Act, 2015, the statutes and ordinances if any issued in the subject from time to time. It is the express understanding that these regulations are subject to the approval of the concerned statutory bodies of the University. These regulations shall be applicable for students admitted from 2019 onward.

4.1 Preamble

R1.1 The University has the right to modify the regulations from time to time.

R1.2 In all matters related to the regulations, the decision of the University and its interpretation given by the BOG shall be final and binding.

4.2 Admission

R2.1 Admission policy, eligibility for admission and admission procedure shall be decided by the University or the competent statutory authority for admissions from time to time.

R2.2 If at any time after admission, it is found that a candidate has not fulfilled any of the requirements stipulated by the University or the statutory body concerned, the Vice Chancellor may revoke the admission of the candidate and report the matter to the BOG.

R2.3 No student shall be permitted, under any circumstances, to change the branch/stream to which he/she is admitted by the competent authority for admission.

R2.4 A student admitted to a particular institute shall continue studying in that institute till the completion of the course, unless he/she is permitted an inter college transfer as per R9.1 to 9.12.

4.3 Structure of B.Tech. Program.

R3.1 The duration of the B.Tech. Program shall be 4 years (8 semesters)

R3.2 The maximum duration shall be six academic years spanning 12 semesters.

R3.3 Every academic year shall have two semesters “1st July to 31st December (Odd semester)” and “1st January to 30th June (Even semester)”. Each semester shall have minimum of 72 working days. The vacation of the faculty and staff shall be as per the Government orders from time to time.

R3.4 Every branch of the B.Tech Program shall have a curriculum and syllabi for the courses approved by the Academic Council. Syllabus for any course shall be normally modified / updated once in four years. However, innovative elective courses can be included as 3 and when required, on the recommendations of the respective Board of Studies and subject to the approval of the Academic Council. All revisions shall be based only on the recommendations of the Board of Studies concerned.

R3.5 The academic programs of the University follow the credit system. The general pattern is as below:

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 to 2 Hours Practical(P) per week	1 credit
3 to 4 Hours Practical(P) per week	2 credit
The workload of a faculty member shall be the actual number of hours engaged by the faculty member.	

R3.6 The curriculum of any branch of the B.Tech. Program shall have a total of 160 academic credits and 2 additional pass/fail credits.

R3.7 Every course of B. Tech. Program shall be placed in one of the nine categories as listed in table below.

Sl. No.	Category	Code	Breakup of Credits
1	Humanities and Social Sciences including Management courses	HSMC	8
2	Basic Science courses	BSC	26
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc	ESC	22
4	Professional core courses	PCC	76
5	Professional Elective courses relevant to chosen specialization/branch	PEC	15
6	Open subjects – Electives from other technical and/or emerging subjects as specified in the curriculum concerned.	OEC	03
7	Project work, seminar and internship in industry or elsewhere	PROJ	10
8	Mandatory Courses [Environmental Sciences, Induction training, Indian Constitution, Essence of Indian Traditional Knowledge]	MC	Non Credit
9	Mandatory Student Activities (Pass/Fail)	SA	2
Total Credits			162

R3.8 No semester shall have more than six lecture-based courses and two laboratory and/or drawing/seminar/project courses in the curriculum. Credit per semester shall not be less than 15 or greater than 25 and cumulative credits shall not be less than 162.

R3.9 The medium of instruction shall be English. All examinations, project/seminar reports and presentations shall be in English.

4.4 Academic Monitoring and Student Support.

R4.1 Advisory System: There shall be one Senior Faculty Advisor (SFA) for a class and a faculty advisor (FA) each for 25 to 35 students in the class. The Principal shall assign a regular faculty member with minimum five years of experience as the Senior Faculty Advisor (SFA) in discussion with the Head of Department concerned.

R4.2 The documents regarding all academic and non academic matters

of students under an advisory group shall be kept under the custody of Faculty Advisor/Senior Faculty Advisor.

R4.3 All requests/applications from a student or parent to higher offices are to be forwarded/recommended by his/her Faculty Advisor/Senior Faculty Advisor. Students and parents shall first approach their Faculty Advisor/Senior Faculty Advisor for all kinds of advices, clarifications and permissions on academic matters. It is the official responsibility of the institution to provide the required guidance, clarifications and advices to the students and parents strictly based on the prevailing academic regulations.

R4.4 The SFA shall arrange separate or combined meetings with advisors; course faculty, Parents and students as and when required and discuss the academic progress of students under their advisory group. The Senior Faculty Advisor/ Faculty Advisor shall also offer guidance and help to solve the issues on academic and non-academic matters including personal issues of the students in their advisory group. Advisory meetings shall preferably be convened:

1. Immediately after the commencement of the semester.
2. Immediately after announcing the marks of first internal evaluation test.

The internal marks, activity points earned during the semester and eligibility of attendance shall be uploaded in the University portal only after displaying the same in the department notice board at least for two working days. This is for the information and feed back of the students. Any concerns raised by the students regarding attendance and internal marks and activity points shall be looked into in the combined meetings of advisors, course faculty and the students concerned. The principal/ HoD shall ensure the proper redressal of the concerns raised by the students regarding internal assessment and attendance. The FA/SFA shall be the custodian of the minutes and action taken reports of the advisory meetings.

R4.5 The SFA shall get the minutes and action taken reports of advisory meetings approved by the Head of Department and the Principal. It shall be the duty of the HoD and the Principal to produce it before the University as and when required.

R4.6 The FA/SFA shall keep a hard copy of the consolidated statement of attendance, activity points and internal marks of the students in their advisory group. It shall be kept with the HoD without fail for all sorts of inspections.

R4.7 Regular communication with the parents of students in respect of progress in academic matters and other general issues shall be the responsibility of the Senior Faculty Advisor/ Faculty Advisor.

R4.8 The Principal shall inform/forward all regulations, guide lines, communications, announcements etc issued by the University regarding student academic and other matters to the HoDs/ Senior Faculty Advisors for information and timely action.

R4.9 It shall be the official responsibility of the Principal to arrange necessary orientation programmes to the HoDs, SFAs and SAs regarding student counseling, the prevailing University norms, regulations, guidelines and procedures on all academic and other University related matters.

4.5 Academic Auditing of Affiliated Institutions.

R5.1 There shall be academic auditing in each affiliated college at stipulated intervals. The academic auditing shall be conducted jointly by an Internal Quality Assurance Cell (IQAC) within the college and external academic auditor(s) appointed by the University. The Internal Quality Assurance Cell (IQAC) in each college shall oversee and monitor all the academic activities including all internal evaluations and examinations. This cell shall prepare academic audit statements in the formats prescribed by the University for each semester at regular intervals. These reports shall be presented to the external academic auditor(s), who shall use it as reference for independent auditing. The external auditor(s) shall submit the final audit report to the University in the prescribed format. Academic auditing shall cover:-

1. Course delivery and adherence to the course plan, syllabus coverage, quality of question papers used for internal examinations, internal evaluation, maintenance of laboratory experimental set ups and equipments, practical assignments, mini projects and conduct of practical classes and their evaluation.

2. Co-curricular and Extra-curricular activities available for students, the monitoring mechanism of activity points to be earned by the students.
3. Academic functioning of the college encompassing students, faculty and college administration covering punctuality, attendance, discipline, academic, environment, learning ecosystem, academic accountability, academic achievements and benchmarking.
4. The audit shall also cover the quality criteria prescribed by NBA/NAAC.

4.6 Assessment

R6.1 There shall be End Semester Examinations (ESE) in every semester for all courses as prescribed under the respective curriculum, except the Lab/ workshops courses for 1 & 2 semesters. The End Semester Examinations shall be conducted by the University. Semester classes shall be completed at least ten days before the commencement of the End Semester Examination.

R6.2 The End Semester Examinations (ESE) shall be held twice in a year – May/June session (for even semesters) and November/December session (for odd semesters). However, the End Semester Examinations of the VII and VIII Semesters shall be conducted in both the sessions. **R6.3** Candidates in each semester shall be evaluated both by Continuous Internal Evaluation (CIE) and End Semester Examinations (ESE). The ratio of Continuous Internal Evaluation (CIE) to End Semester Examinations (ESE) shall be as below :

1. Theory Courses	:	1 : 2
2. Laboratory Courses	:	1 : 1
3. Project	:	CIE only
4. Seminar	:	CIE only

R6.4 Continuous Internal Evaluation (CIE)): The Continuous Internal Evaluation shall be on the basis of the day-to-day work, periodic tests (minimum two in a semester) and assignments (minimum two). The faculty member (s) concerned shall carry out the Continuous Internal Evaluation (CIE) for the course allotted to him/her. The CIE marks for in-

dividual subjects shall be computed by giving weightage to the following parameters unless otherwise specified in the curriculum.

Course	Attendance	Tests	Assignment/ Class work/ Course project.
Theory	20%	50%	30%
Drawing/ Practical	20%	40%	40%

There shall be minimum two internal evaluation tests, each of 2 hrs duration. Each test shall cover 50% of the syllabus and shall be for 50 marks. Retest shall be permitted to the students who could not appear for the internal tests due to genuine grounds. Three days shall be utilised for conducting the internal evaluation test.

Project Work	<p>a. Work assessed by the project guide – 30%</p> <p>b. Three member Continuous Internal Evaluation Committee – 40% (Guide shall be one member in the CIE committee)</p> <p>c. Final Evaluation by a three member Committee comprising of the department project coordinator, guide and an external expert. The external expert shall be an academician or from industry. The industry expert is preferred : 30%</p> <p>d. One third of the project credit shall be completed in VII semester and two third in VIII semester.</p>
Seminar	<p>The report and the presentation shall be evaluated by a team of internal members comprising three senior faculty members based on the style of presentation, technical content, adequacy of reference, depth of knowledge and overall quality of the report.</p> <p>a) Attendance : 10%</p> <p>b) Guide : 20%</p> <p>c) Technical content : 30%</p> <p>d) Presentation : 40%</p>

The CIE marks for the attendance (20%) for each theory, practical and drawing shall be awarded in full, only if the candidate has secured 90%

attendance or above in the subject. If a student has attendance for a subject below 90%, reduction in the marks for the attendance shall be made proportionally. The CIE marks obtained by the student for all subjects in a semester are to be published at least 5 days before the commencement of the University examinations. Duty leave shall be accounted for awarding the internal marks for attendance.

R6.5 Students, who have completed a course but could not write the end semester examination, shall be awarded ‘I’ Grade, provided they meet other eligibility criteria

R6.6 They shall register (exam registration) and appear for the end semester examination at the next opportunity and earn the credits without having to register (course registration) for the course again.

R6.7 The students with FE grade shall register for the courses during the normal semesters in which the courses are offered. However, for the seventh and eighth semester FE grade students can register for the courses in the next immediate chance, if offered by their institute.

R6.8 A student who does not register for all the courses listed in the curriculum for a semester shall not be eligible to enroll for the next higher semester.

R6.9 The maximum number of credits a student can register (course registration) for, in a semester is limited to 08 credits in excess of the total mandatory credits allotted in the curriculum for that semester.

R6.10 A student will be eligible for the award of B. Tech. Degree of the University on satisfying the following requirements: 1. Fulfilled all the curriculum requirements within the stipulated duration of the course. 2. Earned the required minimum credits as specified in the curriculum for the branch of study (R3.6 and R3.7). 3. No pending disciplinary action. 8

R6.11 Students registered for a course have to attend the course regularly and undergo the Continuous Internal Evaluation (CIE) and appear for the End Semester Examinations (ESE). Credits for the course are deemed to be earned only on getting at least a pass grade ‘P’ or better in the composite evaluation.

R6.12 Pass minimum for a course shall be 40% for the End Semester Examination and 50% of CIE and ESA put together. Letter grade ‘F’ will

be awarded to the student for a course if either his/her mark for the End Semester Examination (ESE) is below 40 % or the overall mark [Continuous Internal Evaluation (CIE) + End Semester Examination (ESE)] is below 50 %.

R6.13 Students who received F grade in an End Semester Examination shall have to appear for the End Semester Examination at the next opportunity and earn the credits. They shall not be permitted to register for the course again. **R6.14** Continuous Internal Evaluation mark percentage shall not exceed 30% over the End Semester Examination mark accordingly. For example if the end semester mark % is 40, then the maximum eligible CIE mark

R6.15 Grading is based on the overall % marks obtained by the student in a course, as given in 6.16. The grade card shall only give the grades against the courses the student has registered. Semester grade card shall give the grade for each registered course, Semester Grade Point Average (SGPA) for the semester as well as Cumulative Grade Point Average (CGPA).

R6.16

Grade and Grade Points		
Grades	Grade Point (GP)	% of Total Marks obtained in the course
S	10	90% and above
A+	9.0	85% and above but less than 90%
A	8.5	80% and above but less than 85%
B+	8.0	75% and above but less than 80%
B	7.5	70% and above but less than 75%
C +	7.0	65% and above but less than 70%
C	6.5	60% and above but less than 65%
D	6.0	55% and above but less than 60%
P (Pass)	5.5	50% and above but less than 55%
F (Fail)	0	Below 50% (CIE + ESE) or Below 40 % for ESE
FE	0	Failed due to lack of eligibility criteria (R6.6)
I	0	Could not appear for the end semester examination but fulfills the eligibility criteria.
Classification of B.Tech Degree	First Class with distinction	CGPA 8.0 and above
	First Class	CGPA 6.5 and above
Equivalent percentage mark shall be = $10 * \text{CGPA} - 2.5$		

R6.17

Minimum Cumulative Credit Requirements for Registering to Higher Semesters				
Semester	Allotted Credits	Cumulative Credits	Min. Cumulative Credits required for B.Tech	Minimum Cumulative Credits required for B. Tech Lateral Entry
First	17	17	NA	NA
Second	21	38	Not Insisted	Not Insisted
Third	22	60	Not Insisted	Not Insisted
Fourth	22	82	Not Insisted	Not Insisted
Fifth	23	105	21 Credits from S1 & S2	Not Insisted
Sixth	24	129	Not Insisted	Not Insisted
Seventh	15	144	47 Credits from S1 to S4	09 Credits from S3 to S4
Eight	16	160	Not Insisted	Not Insisted

R6.18 There is no provision for improving the grade. However, the student is permitted to check the answer books of the End Semester Examination after the results are declared, on payment of the prescribed fee. Any discrepancy in evaluation could be brought to the notice of the Controller of Examination, who shall initiate appropriate action as per the University Examination Manual.

R.6.19 The students can apply for revaluation of the answer books of the end semester examination after the results are declared. The final mark awarded will be the better of the two marks. If the difference in marks obtained in revaluation and the original valuation is more than 15 The final mark shall then be the average of the closer of the two marks obtained in the three valuations to the advantage of the student or the mark obtained in the original valuation whichever is higher. The Controller of Examination shall examine such cases and conduct proper enquiry to see whether any of the examiners is responsible for negligent valuation of answer script and initiate suitable action as per the University Examination Manual.

R6.20 Grade cards shall be made available in the student login for the registered courses, in every semester. On earning the required credits for the degree, the University will issue the final consolidated grade sheet for the B. Tech program including CGPA.

R6.21 Calculation of SGPA/CGPA

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows.

$SGPA = \frac{\sum C_i * GP_i}{\sum C_i}$, where C_i is the credit assigned for a course and GP_i is the grade point for that course. Summation is done for all courses specified in the curriculum of that semester. The failed and incomplete courses shall also be considered in the calculation. $CGPA = \frac{\sum C_i * GP_i}{\sum C_i}$, where C_i is the credit assigned for a course and GP_i is the grade point for that course. Summation is done for all courses specified in the curriculum up to that semester for which the CGPA is needed. Here the failed courses shall also be accounted. CGPA for the B. Tech programme is arrived at by considering all course credits that are needed for the degree and their respective grade points. For students admitted under lateral entry scheme, credits for the first and second semester courses shall not be accounted for the calculation of CGPA.

Equivalent percentage mark shall be = $10 * CGPA - 2.5$

R6.22 Any act of violation of University directions, indiscipline, misbehavior, or unfair practice in examinations from the part of students, faculty members, staff, institution, management or any other source shall be viewed very seriously. It is the legal responsibility of the principal and the college management to see that the examinations are conducted strictly as per the directions of the University and as specified in the examination Manual. Malpractices in examinations observed or reported by an official employed by the University, faculty member, invigilator or anybody shall be immediately reported to the Principal. The principal shall in turn conduct a preliminary enquiry giving the student concerned a chance to explain his/her case. The Principal shall then forward the case with his/her preliminary enquiry report and remarks to the Controller of Examinations along with all related documents and evidences within two working days. The Controller of examination shall decide the course of action on the issue as per the prescribed norms in the University Examination Manual.

R6.23 A student shall earn 2 credits by actively involving in co – curricular and extra – curricular activities as per the guidelines issued by the University from time to time. On getting minimum 100 activity points the student passes the course and earns the two credits which shall not be counted for the calculation of CGPA but mandatory for the award of the Degree. For the students admitted under lateral entry scheme the 2 credits shall be considered to be earned on getting 75 activity points. The students are required to keep a file containing documentary proofs of activities done by him/her attested by the Senior Faculty Advisor/ Faculty Advisor.

4.7 Break of Study

R7.1 A student is permitted to avail break of study: i) In case of accident or serious illness needing prolonged hospitalization and rest. ii) In case the student has a bright idea and would like to initiate a start-up venture or develop a product. iii) In case of any personal reasons that need a break in study. iv) For internship leading to employment. For break of study due to illness, student shall submit all necessary medical reports together with the recommendation of the doctor treating him giving definite reasons for break of study and its duration. Before joining back, the student should submit the fitness certificate from the doctor who treated him. Students who want to initiate a start-up venture or a product development, have to submit a project report, clearly indicating the purpose, action plan, technical details, funding details and future plans to the college Principal. The Principal shall evaluate the proposal by constituting an expert team consisting of a technocrat and a bank executive and take an appropriate decision based on the team's recommendation. The break of study for the start up shall be permitted only after the 4th semester for a maximum duration of two semesters. This is however permitted only on successfully completing the courses listed out in the first two semesters. Students who require a break in study due to personal reasons shall convince the Principal on the genuine need for it by giving authentic evidence for the same. Students who require break in study for 'internship leading to employment' shall produce the offer letter obtained from the employer concerned. The principal shall verify the authenticity of the offer and submit his recommendation to the University sufficiently in advance for approval. Only campus placed students with an annual compensation more than 6 lakhs

are eligible to avail this facility. In the semester system followed by the University, break of study for an academic year is the preferred option than break of study for a semester. The student can avail the break of study only with the prior approval of the University. The Principal shall upload the request of the student with all relevant documents to the University portal for the approval with his/her recommendations. Students shall have to rejoin on the first working day of the same semester on which he/she had started availing the break of study.

4.8 Attendance

R8.1 Students are expected to attain 100 unavoidable circumstances they are permitted to avail leave. Total leave of absence shall not exceed 25 mandatory for registering to the end semester examination. On medical ground the college Principal can relax the minimum attendance requirement to 60 or more courses registered in the semester. Principal shall keep all records which led to his decision on attendance, for verification by the Academic Auditors/ University officials. This provision is applicable only to any two semesters during the entire program period. In case of prolonged illness, break of study is permitted as per R7.1.

R8.2 The Principals are authorized to grant attendance relaxation (duty leave) to the students in officially sponsored national level competitions / championships/ tournaments when called upon to do so, up to a maximum of 10%. Such students should produce the participation certificate countersigned by the University Sports Coordinator/ the Director of Physical Education in the case of sports activities and the Senior Faculty Advisor in the case of other extracurricular activities: within ten days of the event. The participation certificate thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the principal shall not consider the certificate if the overall attendance of the candidate is less than 60. The student shall get official prior permission from the University for representing the University.

8.3 The Principals are authorized to grant attendance relaxation (duty leave) to the students for organizing extra/ co-curricular activities, up to a maximum of 05 should produce the required documents countersigned by the University Sports Coordinator/ the Director of Physical Education in

the case of sports activities and the Senior Faculty Advisor in the case of other extra/ co-curricular activities: within ten days of the events. The documents thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the principal shall not consider the documents, if the overall attendance of the candidate is less than 60any account.

4.9 Inter College Transfer

R9.1 Inter college transfer shall be applicable only for regular B. Tech students.

R9.2 The transfer shall be permitted just before the commencement of third semester.

R9.3 The transfer shall be with effect from the first working day of the third semester.

R9.4 The transfer shall be only within the sanctioned strength of the receiving college.

R9.5 The following Category of students shall not be eligible for inter college transfer 1. Govt. of India Nominee. 2. Management Quota in Aided colleges. 3. Management Quota in private Self Financing Colleges 4. Students admitted under NRI/PIO quota. 5. Lateral Entry students. 6. Students admitted under TFW Scheme. 7. Students admitted in any supernumerary seats. 8. Any other category which are ineligible as per the conditions for admission prescribed by Govt. of Kerala/Govt. of India.

R9.6 The transfer shall be permitted: 1. Between Govt/ Govt. Aided Colleges. 2. Between Self – Financing Colleges. (Including Govt. Controlled SFC).

R9.7 Notification inviting application for inter college transfer shall be issued by the University just before the commencement of the third semester.

R9.8 The candidate should fulfill the academic eligibility requirement for promotion to the third semester.

R9.9 If the number of applicants is more than the vacant seats available, the transfer may be based on the Kerala Engineering Entrance Rank.

R9.10 The students shall opt only one college for inter college transfer.

R9.11 The selected candidates shall remit a fee of Rs 3000/- (No fee for SC/ST students) within the stipulated date to the University. However, this rule is not applicable to the students transferred to other institutes under “Shift College” University order.

R9.12 The College transfer once approved by the receiving college will be final and binding on the applicant. No student will be permitted, under any circumstances, to refuse the change of college once offered.

4.10 Migration from other Universities

R10.1 Migration to the University from other Universities shall be permitted only if the parent University and the APJ Abdul Kalam Technological University enters into a bipartite agreement/ MoU for this purpose. However, this condition is not applicable to the students in any of the Engineering colleges/ institutions, which, before the commencement of KTU Act remained affiliated to Universities except Deemed to be Universities in the State of Kerala.

R10.2 The student shall be permitted to migrate only if he/she fulfills the University eligibility criteria for admission to the course applied for migration.

R10.3 The migration shall be permitted only up to the fifth semester of the B. Tech program and half the duration of the program in the case of other programs.

R10.4 The admission shall be offered on migration basis through lateral transfer of credits. Lateral credit transfer shall be as recommended by the concerned Board of Studies.

R10.5 The students shall be allowed to migrate to the University subject to satisfying the rules and regulations of the University as regards to, maximum number of backlogs, grade points, minimum credit requirement for promotion to higher semesters, etc.

R10.6 The student shall be offered admission in any of the affiliated colleges/institutions of the University subject to availability of seats. The student shall produce no objection certificate from the concerned college/institute in this regard.

R10.7 The students offered admission shall have to take transitory courses/

additional courses of the previous semesters to satisfy the program requirement as recommended by the concerned board of studies.

R10.8 The students offered admission shall pay the migration fees and the University fees as prescribed by the University. The application processing fee (University fee) shall be Rs 5000/- (Rupees five thousand only) and the migration fees shall be Rs 20000/- (Rupees twenty thousand only). The migration fee is charged for the meeting expenses of the concerned Board of studies to decide on the student suitability for migration and to recommend the transitory courses/ additional courses to be done by the student to fulfill the academic requirement of the University. The processing fee shall be paid along with the application, and the migration fee shall be paid to the University at the time of offering admission. The fee once paid shall not be refunded under any circumstances. The students in any of the Engineering colleges / institutions, which, before the commencement of KTU Act remained affiliated to Universities except Deemed to be Universities in the State of Kerala, are exempted from paying the processing fee and the migration fee.

R10.9 The migrated students shall follow the rules and regulations of the University.

R10.10 The students offered admission shall produce a migration certificate from the parent University at the time of admission.

R10.11 The student offered admission shall produce a character certificate from the parent institute/University at the time of admission.

R10.12 Regulations, Scheme and Syllabus of the respective specialization attested by the Registrar of the parent University or equivalent authority shall be submitted to the University along with the application seeking migration to the University.

R10.13 Attested copies of all certificates and mark lists from 10th onwards shall be submitted along with the application for migration (Original certificates and mark lists shall be 14 produced as and when required by the University).

R10.14 Assessment of the student suitability for migration in terms of programs, backlogs, grade points, credit requirements, etc shall be done by the concerned Board of Studies.

R10.15 Assessment of the transitory courses/ additional courses to be done by the student as per the academic requirement of the University shall be as recommended by the concerned Board of Studies.

4.11 Minor in Engineering.

R11.1 All B. Tech students shall be eligible to register for Minor in Engineering.

R11.2 The Minor in Engineering registration shall be along with the registration of the 3rd semester.

R11.3 If a student fails in any course of the minor, he/she shall not be eligible to continue the B.Tech Minor. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA.

R11.4 The student shall earn additional 20 credits to be eligible for the award of B. Tech Degree with Minor.

R11.5 Out of the 20 Credits, 12 credits shall be earned by undergoing a minimum of three courses, during the specified period. The total number of contact hours for these three courses shall be 126 Hrs (42Hrs/course). The duration of a course shall be minimum 14 weeks. The remaining 8 credits could be acquired through two MOOCs recommended by the Board of studies and approved by the Academic Council.

R11.6 Curriculum and the syllabus of the three courses shall be approved by the Board of studies and the Academic Council.

R11.7 The assessment of the courses other than MOOCs and earning of credits shall be as per R6.1 to R6.23. The assessment and certification of the MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOCs conducting agency in proof of credit attainment.

R11.8 Under graduate Degree with minor shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech program and Minor in Engineering.

4.12 B. Tech (Honours)

R12.1 All B. Tech students are eligible to register B.Tech (Honours). However, their mandatory CGPA at the end of eighth semester shall be 8.5 or higher to be eligible for the award of B. Tech (Honours).

R12.2 The B. Tech (Honours) registration shall be along with the registration of the 4th semester.

R12.3 If a student fails in any course including the course chosen for B. Tech (Honours), he/she shall not be eligible to continue the B.Tech(Honours). However, the additional credits thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA.

R12.4 The student shall earn additional 20 credits to be eligible for the award of B. Tech (Honours) Degree.

R12.5 Out of the 20 Credits, 12 credits shall be earned by undergoing minimum three specified B. Tech (Honours) Elective courses of the respective stream. Credits for the B. Tech (Honours) Elective courses are deemed to be earned only on getting at least a grade 'C' or better in the composite evaluation. A student shall not be permitted to select the normal elective courses of the respective B. Tech programs for attaining the credit requirements of B. Tech (Honours). The remaining 8 credits could be acquired through two MOOCs of the respective streams recommended by the Board of studies and approved by the Academic Council.

R12.6 The assessment and certification of the MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOCs conducting agency in proof of credit attainment.

R12.7 The institutions offering B. Tech Honours programs shall not charge any additional fee from the students.

R12.8 B. Tech (Honours) Degree shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech and B. Tech (Honours) programs.

4.13 Grace Marks for Sports /Arts Competitions.

R13.1 Only bona-fide, regular candidates are eligible for the award of Grace Marks.

R13.2 The criterion for the award of Grace Marks is representing the University in officially sponsored national level competitions/championships/tournaments when called upon to do so. The student shall get official prior permission from the University for representing the University.

R13.3 The maximum grace marks that can be awarded to a candidate in a particular semester for all activities put together shall be 5 Examination marks of all theory courses for which the University conducts End Semester Examinations.

R13.4 The maximum grace marks that can be awarded to a student for a theory course in a particular semester for all activities put together shall not exceed 10 aggregate marks of End Semester Examination of the course.

R13.5 The Grace Marks shall not be awarded to a student for Practical/ Lab/ Viva Voce/ internal assessment/ Seminar etc even though she/he fails for the same.

R13.6 Eligible Grace Marks shall be distributed equally on all theory papers/courses of an examination. However, re – distribution of Grace Marks shall be allowed only in the case of those courses of an examination for which the candidate has passed. Redistribution is possible from passed courses to failed courses only. Re-distribution of Grace Marks is not permissible from failed courses to other courses for a pass.

R13.7 The Grace Marks shall be awarded for all theory papers/courses/subjects in a semester.

R13.8 Re- distribution shall be done only for enabling a candidate to obtain the minimum marks required for a pass.

R13.09 Grace Marks shall not be re – distributed from one semester to another semester.

R13.10 If the candidate does not secure the minimum marks required for a pass even after effecting re- distribution, eligible moderation fixed by the respective board if any, shall be awarded to that candidate in addition to

the Grace Marks for a pass.

R13.11 Eligible Grace Marks shall be awarded for the regular examination of the performing semester only. Grace Marks shall not be awarded for supplementary examinations.

R13.12 The performing semester shall be considered from 1st July to 31st December (Odd semester) and 1st January to 30th June (Even Semester).

R13.13 Grace Marks shall be awarded on the basis of performance in the respective semester.

R13.14 The request for Grace Marks shall be submitted to the Controller of Examinations through the principal along with all relevant documents, within the time limit prescribed by the University. The request for Grace Marks received after the time limit shall not be entertained on any account.

R13.15 Only a single highest achievement during the period of a semester shall be considered for awarding the grace marks.

4.14 Grace Marks for Persons With Disability (PWD)

R14.1 A person with disability means a person suffering from not less than 40% disability as certified by the District Medical Board. To be eligible for the grace marks, the certificate of disability specifying the percentage of disability shall be produced before the Principal at the time of admission.

R14.2 The Grace Marks that can be awarded for PWD candidates shall be 25% scored by the candidate in each course at the time of finalization of the results.

R14.3 Transfer of marks from one paper to another shall not be permitted. Fractions of marks if any, while computing the Grace Marks shall be rounded off to the next higher integer.

R14.4 PWD candidates who are eligible for Grace Marks shall be awarded Grace Marks for regular and supplementary chances until they pass the whole examination.

R14.5 Grace Marks shall be awarded only for the marks of the End Semester Examinations conducted by the University.

R14.6 The request for Grace Marks shall be submitted to the Controller

of Examinations through the principal along with all relevant documents, within the time limit prescribed by the University. The request for Grace Marks received after the time limit shall not be entertained on any account.

4.15 Transitory Provision.

15.1 Notwithstanding anything contained in these regulations, the Vice-Chancellor shall, for a period of two years from the date of coming into force of these regulations, has the power to provide by order that these Regulations shall be applied to any B. Tech program with such modifications as may be necessary.

5 ACHIEVEMENTS

5.1 Academic/Sports

1. Haritha V. Kumar of 2007 Electronics and Communication Engineering secured All India First Rank in Civil Service Examination(2012).
2. Nikita S Chandran,Electronics and Communication Engineering secured 326 rank in Civil Service Examination.
3. Gayathri M,Electronics and Communication Engineering secured 642 rank in Civil Service Examination (2015).
4. Nidhin S L (ME 12-16 batch) achieved All India rank 405 in GATE -2016 examination.
5. Suryanarayanan 06-10 batch qualified forest service examination in 2014.
6. Abdul Rahim A 06-10 batch qualified civil service examination in 2017.
7. Aneesh D S(Rank-189),Sainath S (Rank-317), Adarsh M L (Rank-516) Mechanical engineering achieved high score in GATE -2017 examination.
8. Aarsha N S (Rank-258) ME2013-17 batch qualified civil service examination
9. Sanchana Prakash EC 2013-2017 has secured First rank in SSB Examination-2018
10. Merin Rose Tom IT 2015-2019 secured 7th rank in world chess federation 2018
11. Rohith Jayakumar IT 2018-2022 Senior State Ranking:2 Mixed Doubles (XD) ; 5 Men's Doubles (MD), represents Kerala senior team at south zone interstate zonal championship held at Gulbarga Karnataka sept 2019

UNIVERSITY FIRST RANK HOLDERS

2019

Information Technology - Sandra V S Nair

2018

Mechanical Engineering - Anu V S Nath

2017

Information Technology - Aiswarya V I

Electrical engineering - Aswathy M P

Electronics & communication - Arya V

Mechanical Engineering - Jiji Renj

2016

Information Technology - Minu Menon

2013

Information Technology - Aswini K.S

Mechanical Engineering - Unnikrishnan R

2012

Information Technology - Arya Chandran S

2011

Information Technology - Roopesh R

Mechanical Engineering - Manu Alex Thomas

2009

Information Technology - Asha Paul

2008

Information Technology - Retina Satish

2006

Information Technology - Biesson Varghese

Mechanical Engineering - Krishnachandran R

2003

Information Technology - Thiruvambalam Sreenivas

Mechanical Engineering(A) - Sooraj V.S

6 CURRICULUM AND SCHEME OF EXAMINATION

6.1 M.Tech Degree Course 2018 Admission

6.1.1 Network Engineering

SEMESTER I:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01CS6101	Mathematical Foundations of Computing Systems	3-0-0	40	60	3	3
B	01IT6101	Distributed Systems and Algorithms	3-1-0	40	60	3	4
C	01IT6103	Network Routing Protocols	3-1-0	40	60	3	4
D	01IT6105	Security in Computing	3-0-0	40	60	3	3
E		Elective I	3-0-0	40	60	3	3
S	01IT6999	Research Methodology	0-2-0	100			2
T	01IT6191	Seminar I	0-0-2	100			2
U	01IT6193	Network Engineering Lab	0-0-2	100			1
		TOTAL	15-4-4	500	300	-	22

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 22

ELECTIVE I

01CS6151 Data Warehousing and Mining

01IT6111 Advanced Operating Systems

01IT6113 Advanced Database Systems

SEMESTER II:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01CS6102	Parallel Computer Architecture	3-1-0	40	60	3	4
B	01IT6102	Applied Cryptography	3-0-0	40	60	3	3
C	01IT6104	Modern Computing Paradigms	3-0-0	40	60	3	3
D		Elective II	3-0-0	40	60	3	3
E		Elective III	3-0-0	40	60	3	3
V	01IT6192	Mini Project	0-0-4	100			2
U	01IT6194	Software Testing Lab	0-0-2	100			2
		TOTAL	15-1-6	400	300	-	19

TOTAL CONTACT HOURS : 22

TOTAL CREDITS : 19

ELECTIVE II

01CS6252 Access Networks and Cellular Communication

01IT6112 High Speed Switching Architecture

01CS6154 Soft Computing

ELECTIVE III

01IT6114 Multimedia Communication

01IT6116 Web Technologies

01IT6118 Information Retrieval Techniques

SEMESTER III:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A		Elective IV	3-0-0	40	60	3	3
B		Elective IV	3-0-0	40	60	3	3
T	01IT7191	Seminar II	0-0-2	100			2
W	01IT7193	Project (Phase 1)	0-0-12	50			6
		TOTAL	6-0-14	230	120	-	14

TOTAL CONTACT HOURS : 20

TOTAL CREDITS : 14

ELECTIVE IV

01CS7157 Ad-hoc and Sensor Networks

01IT7111 Embedded Networks

01IT7113 Mathematical Models for Internet

ELECTIVE V

01ITF7115 Performance Evaluation of Computer Systems and Networks

01ITF7117 Network Architecture and Design

01ITF7119 Interconnection Networks

SEMESTER IV:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
W	01IT7194	Project (Phase 2)	0-0-23	70	30		12
		TOTAL	0-0-23	70	30	-	12

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 12

TOTAL NUMBER OF CREDITS:67

6.1.2 Signal Processing**SEMESTER I:**

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01EC6301	Applied Linear Algebra	3-0-0	40	60	3	3
B	01EC6303	Random Processes and Applications	3-1-0	40	60	3	4
C	01EC6205	Advanced Digital Communication	3-1-0	40	60	3	4
D	01EC6307	DSP System Design	3-0-0	40	60	3	3
E		Elective I	3-0-0	40	60	3	3
S	01EC6999	Research Methodology	0-2-0	100			2
T	01EC6391	Seminar I	0-0-2	50			2
U	01EC6393	DSP Systems Lab	0-0-2	50			1
		TOTAL	15-4-4	400	300	-	22

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 22

ELECTIVE I

01EC6311 Speech Signal Processing

01EC6313 Optical Signal Processing

01EC6315 Biomedical Signal Processing

SEMESTER II:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01EC6302	Estimation and Detection Theory	3-1-0	40	60	3	4
B	01EC6304	Digital Image Processing	3-0-0	40	60	3	3
C	01EC6306	Multirate Systems and Wavelets	3-0-0	40	60	3	3
D		Elective II	3-0-0	40	60	3	3
E		Elective III	3-0-0	40	60	3	3
V	01EC6392	Mini Project	0-0-4	100			2
U	01EC6394	Image Processing Lab	0-0-2	50			1
		TOTAL	15-1-6	350	300	-	19

TOTAL CONTACT HOURS : 22

TOTAL CREDITS : 19

ELECTIVE II

01EC6312 Adaptive Signal Processing

01EC6314 Audio Signal Processing

01EC6316 Pattern Recognition and Machine Learning

ELECTIVE III

01EC6122 Design of VLSI Systems

01EC6218 Soft Computing

01EC6322 Optimization Techniques

SEMESTER III:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A		Elective IV	3-0-0	40	60	3	3
B		Elective IV	3-0-0	40	60	3	3
T	01EC6306	Seminar II	0-0-2	50			2
W		Project (Phase 1)	0-0-12	100			6
		TOTAL	6-0-14	230	120	-	14

TOTAL CONTACT HOURS : 20

TOTAL CREDITS : 14

ELECTIVE IV

01EC7311 VLSI Structures for Digital Signal Processing

01EC7313 Space Time Coding and MIMO Systems

01EC7315 Computer Vision

ELECTIVE V

01EC7317 Array Signal Processing

01EC7319 Bio Informatics

01EC7213 Secure Communication

SEMESTER IV:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
W	01EC7394	Project (Phase 2)	0-0-23	70	70		12
		TOTAL	0-0-23	70	30	-	12

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 12

TOTAL NUMBER OF CREDITS: 67

6.1.3 Machine Design**SEMESTER I:**

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01MA6011	Special Functions, Partial Differential Equations And Tensor	3-0-0	40	60	3	3
B	01ME6101	Advanced Theory of Vibration	3-1-0	40	60	3	4
C	01ME6103	Finite Element Method	3-1-0	40	60	3	4
D	01ME6105	Continuum Mechanics	3-0-0	40	60	3	3
E	01ME6107	Industrial Tribology	3-0-0	40	60	3	3
S	01ME6999	Research Methodology	0-2-0	100			2
T	01ME6191	Seminar-I	0-0-2	50			2
U	01ME6193	Machine Dynamics Lab	0-0-2	50			1
		TOTAL	15-4-4	400	300	-	22

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 22

SEMESTER II:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01ME6102	Advanced Theory of Mechanisms	3-1-0	40	60	3	4
B	01ME6104	Design of Pressure Vessels and Piping	3-0-0	40	60	3	3
C	01ME6106	Experimental Stress Analysis	3-0-0	40	60	3	4
D		Elective I	3-0-0	40	60	3	3
E		Elective II	3-0-0	40	60	3	3
V	01ME6192	Mini Project	0-0-4	100			2
U	01ME6194	Modelling And Analysis Lab	0-0-2	50			1
		TOTAL	15-1-6	350	300	-	19

TOTAL CONTACT HOURS : 22

TOTAL CREDITS : 19

ELECTIVE I

01ME6112 Design of Power Transmission Elements

01ME6114 Design And Analysis of Composite Structures

01ME6116 Advanced Computer Graphics

01ME6118 Condition Monitoring And Maintenance Engineering

ELECTIVE II

01ME6122 Optimization Techniques for Engineering

01ME6124 Acoustics and Noise Control

01ME6126 Advanced Finite Element Methods

01ME6128 Robotics

SEMESTER III:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A		Elective III	3-0-0	40	60	3	3
B		Elective IV	3-0-0	40	60	3	3
T	01ME7191	Seminar II	0-0-2	40			2
W	01ME7193	Project (Phase 1)	0-0-12	100			6
		TOTAL	6-0-14	230	120	-	14

TOTAL CONTACT HOURS : 20

TOTAL CREDITS : 14

ELECTIVE III

01ME7111 Advanced Numerical Methods

01ME7113 Advanced Non Destructive Evaluation

01ME7115 Advanced Design Synthesis

01ME7117 Mechatronics System Design

01ME7119 Computational Plasticity

ELECTIVE IV

01ME7121 Fracture Mechanics

01ME7123 Mechanical Behaviour of Materials

01ME7125 Computational Methods in Design And Manufacturing

01ME7127 Advanced Vehicle Dynamics

01ME7129 Control System

SEMESTER IV:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
W	01ME7194	Project (Phase 2)	0-0-23	70	30		12
		TOTAL	0-0-23	70	30	-	12

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 12

TOTAL NUMBER OF CREDITS: 67

6.1.4 Power System and Control**SEMESTER I:**

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01MA6021	Advanced Mathematics And Optimisation Techniques	3-0-0	40	60	3	3
B	01EE6101	Dynamics of Linear Systems	3-1-0	40	60	3	4
C	01EE6301	Modelling of Electrical Machines	3-1-0	40	60	3	4
D	01EE6405	Operation and Control of Power System	3-0-0	40	60	3	3
E	01EE6601	Power Conversion Techniques	3-0-0	40	60	3	3
S	01EE6999	Research Methodology	0-2-0	100			2
T	01EE6691	Seminar-I	0-0-2	50			2
U	01EE6693	Power System Simulation Lab	0-0-2	100			1
		TOTAL	15-4-4	500	300	-	22

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 22

SEMESTER II:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A	01EE6402	Digital Protection of Power System	3-1-0	40	60	3	4
B	01EE6404	Design of Pressure Vessels and Piping Power System Dynamics and Control	3-0-0	40	60	3	3
C		Elective I	3-0-0	40	60	3	3
D		Elective II	3-0-0	40	60	3	3
E		Elective III	3-0-0	40	60	3	3
V	01EE6692	Mini Project	0-0-4	100			2
U	01EE6694	Advanced Power Systems Lab	0-0-2	100			1
		TOTAL	15-1-6	400	300	-	19

TOTAL CONTACT HOURS : 22

TOTAL CREDITS : 19

ELECTIVE I

01EE6612 Advanced Power Electronic Systems

01EE6412 New and Renewable Sources of Energy

01EE6414 Distributed Generation

01EE6416 Computer Aided Power System Analysis

ELECTIVE II

01EE6614 Control of Industrial Drives

01EE6616 Captive Power Systems

01EE6418 Flexible AC Transmission Systems

ELECTIVE III

01EE6126 Soft Computing Techniques

01EE6618 Control Techniques for power systems

01EE6426 Smart Grid Technologies and Applications

SEMESTER III:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
A		Elective IV	3-0-0	40	60	3	3
B		Elective V	3-0-0	40	60	3	3
T	01EE7691	Seminar II	0-0-2	100			2
W	01EE7693	Project (Phase 1)	0-0-12	50			6
		TOTAL	6-0-14	230	120	-	14

TOTAL CONTACT HOURS : 20

TOTAL CREDITS : 14

ELECTIVE IV

01EE7411 EHVAC and DC Transmission

01EE7413 Energy Auditing, Conservation and Management

01EE7611 Power System Management

01EE7415 Restructured Power System

ELECTIVE V

01EE7417 Transient Analysis in Power System

01EE7419 Power System Stability and Reliability

01EE7421 SCADA System and Applications

SEMESTER IV:

Examination Slot	Course Number	Name	L-T-P	Internal Marks	Marks	Duration (hours)	Credits
W	01EE7694	Project (Phase 2)	0-0-23	70	30		12
		TOTAL	0-0-23	70	30	-	12

TOTAL CONTACT HOURS : 23

TOTAL CREDITS : 12

TOTAL NUMBER OF CREDITS: 67

6.2 B.Tech Degree Course 2019 Admission

6.2.1 SYLLABUS-SEMESTER 1

SLOT	CATE GORY	COURSE CODE	COURSES	L-T-P	HOURS	CREDI T
A	BSC	MAT 101	LINEAR ALGEBRA AND CALCULUS	3-1-0	4	4
B 1/2	BSC	PHT 100	ENGINEERING PHYSICS A	3-1-0	4	4
		PHT 110	ENGINEERING PHYSICS B	3-1-0	4	4
	BSC	CYT100	ENGINEERING CHEMISTRY	3-1-0	4	4
C 1/2	ESC	EST 100	ENGINEERING MECHANICS	2-1-0	3	3
	ESC	EST 110	ENGINEERING GRAPHICS	2-0-2	4	3
D 1/2	ESC	EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING	4-0-0	4	4
	ESC	EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	4-0-0	4	4
E	MNC	HUN 101	LIFE SKILLS	2-0-2	4	—
S 1/2	BSC	PHL 120	ENGINEERING PHYSICS LAB	0-0-2	2	1
	BSC	CYL 120	ENGINEERING CHEMISTRY LAB	0-0-2	2	1
T 1/2	ESC	ESL 120	CIVIL & MECHANICAL WORKSHOP	0-0-2	2	1
	ESC	ESL 130	ELECTRICAL & ELECTRONICS WORKSHOP	0-0-2	2	1
TOTAL					23/24 *	17

6.2.2 SYLLABUS-SEMESTER 2

SLOT	CATE GORY	COURSE CODE	COURSES	L-T-P	HOURS	CREDIT	
A	BSC	MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS	3-1-0	4	4	
B 1/2	BSC	PHT 100	ENGINEERING PHYSICS A	3-1-0	4	4	
		PHT 110	ENGINEERING PHYSICS B	3-1-0	4	4	
	BSC	CYT100	ENGINEERING CHEMISTRY	3-1-0	4	4	
C 1/2	ESC	EST 100	ENGINEERING MECHANICS	2-1-0	3	3	
	ESC	EST 110	ENGINEERING GRAPHICS	2-0-2	4	3	
D 1/2	ESC	EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING	4-0-0	4	4	
	ESC	EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	4-0-0	4	4	
E	MNC	HUN 102	PROFESSIONAL COMMUNICATION	2-0-2	4	--	
F	ESC	EST 102	PROGRAMMING IN C	2-1-2	5	4	
S 1/2	BSC	PHL 120	ENGINEERING PHYSICS LAB	0-0-2	2	1	
	BSC	CYL 120	ENGINEERING CHEMISTRY LAB	0-0-2	2	1	
T 1/2	ESC	ESL 120	CIVIL & MECHANICAL WORKSHOP	0-0-2	2	1	
	ESC	ESL 130	ELECTRICAL & ELECTRONICS WORKSHOP	0-0-2	2	1	
TOTAL						28/29	21

7 ACADEMIC CALENDER

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY Academic Calendar July 2019-July 2020

KTU/DIRECTOR(ACADEMIC)



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY Academic Calendar - Jul 2019 to Jan 2020

(B.Tech, B.Arch, BIMCT, B.DeS, M.Tech, M.Arch, M.Planning, MCA and Evening B.Tech & M.Tech)

Please see separate Academic Calendar for MBA

(Bold Numbers in Class indicates Instructional days)

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Jul-19				Aug-19				Sep-19				Oct-19			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Mon	1			Thu	1	Commencement of Classes for all other programs	8	Sun	1			Tue	1	Exam Registration ends	43
Tue	2			Fri	2			9	Mon	2		27	Wed	2	Gandhi Jayanthi
Wed	3			Sat	3				Tue	3		28	Thu	3	
Thu	4			Sun	4				Wed	4		29	Fri	4	
Fri	5			Mon	5			10	Thu	5		30	Sat	5	
Sat	6			Tue	6			11	Fri	6		31	Sun	6	
Sun	7			Wed	7			12	Sat	7	Onam Vacation begins		Mon	7	Mahnavami
Mon	8			Thu	8			13	Sun	8			Tue	8	Vijaydasami
Tue	9			Fri	9	Introduction program ends: S1 & Tech		14	Mon	9	Muharam		Wed	9	
Wed	10			Sat	10				Tue	10	First Onam		Thu	10	
Thu	11			Sun	11				Wed	11	Thiruvonam		Fri	11	
Fri	12			Mon	12	Course-Set, Reg & Mapping begins		15	Thu	12	Third Onam		Sat	12	
Sat	13			Tue	13			16	Fri	13	Fourth Onam		Sun	13	
Sun	14			Wed	14			17	Sat	14			Mon	14	
Mon	15			Thu	15	Independence Day			Sun	15	Onam Vacation ends		Tue	15	
Tue	16			Fri	16			18	Mon	16	Classes reopens	32	Wed	16	
Wed	17			Sat	17				Tue	17	Exam Registration begins	33	Thu	17	
Thu	18			Sun	18				Wed	18		34	Fri	18	
Fri	19			Mon	19				Thu	19		35	Sat	19	
Sat	20			Tue	20				Fri	20		36	Sun	20	
Sun	21			Wed	21				Sat	21	Sree Narayana Guru Samadhi Day		Mon	21	
Mon	22	Commencement of Classes S1 & Tech & Arch	1	Thu	22	Course-Set, Reg & Mapping ends	22	Sun	22				Tue	22	
Tue	23		2	Fri	23	Sreekrishna Jayanthi			Mon	23	Test 1 to be Completed	37	Wed	23	
Wed	24		3	Sat	24				Tue	24		38	Thu	24	
Thu	25		4	Sun	25				Wed	25		39	Fri	25	
Fri	26		5	Mon	26			23	Thu	26		40	Sat	26	
Sat	27			Tue	27			24	Fri	27		41	Sun	27	Deepavali
Sun	28			Wed	28	Birthday of Ayyanazi		Sat	28	Sports Meet (Coll. level) to complete		Mon	28	Sports Meet (Dem. level) to complete	
Mon	29		6	Thu	29			25	Sun	29			Tue	29	
Tue	30		7	Fri	30			26	Mon	30			Wed	30	
Wed	31	Karkada Vnu		Sat	31								Thu	31	



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
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 Please see separate Academic Calendar for MBA
 (Bold Numbers in Class indicates instructional days)

Nov-19				Dec-19				Jan-20				Feb-20			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Fri	1		63	Sun	1			Wed	1	57 B.Arch: Jury for training		Sat	1		
Sat	2			Mon	2	Last date for Forwarding IA marks & Attendance to Uty of all Programs		Thu	2	Mannam Jayanthi		Sun	2		
Sun	3			Tue	3			Fri	3			Mon	3		
Mon	4		64	Wed	4	Exam 57 B.Tech, 57B.Arch, MCA3 and S3 PG Begins		Sat	4			Tue	4		
Tue	5		65	Thu	5	Exam 52 B.Tech, 52B.Arch, 52BHMCT, MCA3, MCA 3and 53 PG Begins		Sun	5			Wed	5		
Wed	6	Test 2 to be Completed	66	Fri	6	Exam 55 B.Tech, 55B.Arch, 55 BHMCT 51 B.DeS and MCA3 Begins		Mon	6	Commencement of classes for all other programs		Thu	6		
Thu	7		67	Sat	7			Tue	7			Fri	7		
Fri	8		68	Sun	8			Wed	8			Sat	8		
Sat	9			Mon	9			Thu	9			Sun	9		
Sun	10			Tue	10			Fri	10			Mon	10		
Mon	11		69	Wed	11			Sat	11			Tue	11		
Tue	12		70	Thu	12			Sun	12			Wed	12		
Wed	13		71	Fri	13			Mon	13			Thu	13		
Thu	14		72	Sat	14			Tue	14			Fri	14		
Fri	15	Class ends for 51 B.Tech/B.Arch, Publish attendance	73	Sun	15			Wed	15			Sat	15		
Sat	16			Mon	16	Commencement of classes 52 B.Tech/B.Arch		Thu	16			Sun	16		
Sun	17			Tue	17			Fri	17			Mon	17		
Mon	18	Publish IA Marks for all programs	74	Wed	18			Sat	18			Tue	18		
Tue	19	Forwarding IA marks & Attendance to Uty of 51 B.Tech/B.Arch	75	Thu	19			Sun	19			Wed	19		
Wed	20		76	Fri	20			Mon	20			Thu	20		
Thu	21	Last date for evaluation of jury(B.Arch)	77	Sat	21	Christmas Vacation begins		Tue	21			Fri	21	Maha Shivarathri	
Fri	22	Last date for Forwarding IA marks & Attendance to Uty of 51 B.Tech/B.Arch	78	Sun	22			Wed	22			Sat	22		
Sat	23			Mon	23			Thu	23			Sun	23		
Sun	24			Tue	24			Fri	24			Mon	24		
Mon	25	Class ends for all other programs, publish attendance	79	Wed	25	Christmas		Sat	25			Tue	25		
Tue	26	Start date for Forwarding IA Marks & Attendance to Uty of all other Programs		Thu	26			Sun	26	Republic Day		Wed	26		
Wed	27	Exam 51/58 B.Tech, 51 B.Arch Begins		Fri	27			Mon	27			Thu	27		
Thu	28	Last date for uploading Jun Marks (B.Arch)		Sat	28			Tue	28			Fri	28		
Fri	29			Sun	29			Wed	29			Sat	29		
Sat	30			Mon	30	Classroom response, Reporting 57 B.Arch to College after routine		Thu	30			Fri	31		
				Tue	31										



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
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(B.Tech, B.Arch, BHMCT, B.DeS, M.Tech, M.Arch, M.Planning, MCA and Evening B.Tech & M.Tech)

Please see separate Academic Calendar for MBA

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Sl. No.	Events	Important Dates
ODD SEMESTER (2019-2020)		
1(a)	Commencement of ODD Semester Classes S1 B.Tech, S1 B.Arch	July 22, 2019
(b)	Induction Program for S1 B.Tech	July 22 to Aug 9, 2019
(c)	Commencement of ODD Semester for all other programs	Aug 1, 2019
(d)	Commencement of S1 B.Tech regular class	Aug 12, 2019
2	Course Committee/Class Committee Meeting	Aug 14 - 19, 2019
3	Course selection, Course Registration, Course Mapping	Aug 12 - 22, 2019
4	Exam Registration	Sept 17 - Oct 1, 2019
5	Test 1 to be completed	Sept 23, 2019
6	College Level Sports to be completed	Sept 28, 2019
7	Zonal level Sports Fest To be completed	Oct 28, 2019
8	Test 2 to be completed	Nov 6, 2019
9	Course Committee/Class Committee Meeting	Nov 4 - 8, 2019
10	Classes Ends for S1 B.Tech/B.Arch and Publish Attendance	Nov 15, 2019
11	Publications of IA Marks of all programs	Nov 18, 2019
12	Submission of IA marks & Attendance by Colleges to University of S1 B.Tech/B.Arch	Nov 19 - 22, 2019
13	Last date for evaluation of Jury(B.Arch)	Nov 21, 2019
14	Classes (EVEN Semester)Ends for all other programs and Publication of Attendance	Nov 25, 2019
15	End Semester Examination S1 B.Tech/B.Arch, S8 B.Tech (Time Table will be published later)	Nov 27, 2019
16	Submission of IA Marks & Attendance by Colleges to University of all other programs	Nov 26 - Dec 2, 2019
17	Last date for uploading of marks of Jury (B.Arch)	Nov 28, 2019
18	Exam S7B.Tech, S7B.Arch, MCA5 and S3 PG Begins (Time Table will be published later)	Dec 4, 2019
19	Exam S3 B.Tech, S3B.Arch, S3BHMCT, MCA3, MCA 7 and S1 PG Begins (Time Table will be published later)	Dec 5, 2019
20	Exam S5 B.Tech, S5B.Arch, S1 BHMCT S1 B.DeS and MCA1 Begins (Time Table will be published later)	Dec 6, 2019
21	Commencement of classes S2 B.Tech/B.Arch	Dec 16, 2019
22	Reporting the college after training by S7 B.Arch students	Dec 30, 2019
23	Jury for the Training: S7 B.Arch	Jan 1-3, 2020
24	Registration by S7 B.Arch students to S8 B.Arch	Jan 6, 2020
25	Commencement of classes for all other programs	Jan 6, 2020

8 STAFF DIRECTORY

Principal

Dr.Suresh K

Phone : 0471 2300484 (Office)

e-mail : principal@gecbh.ac.in

8.1 Department of Electrical and Electronics Engineering

8.1.1 Teaching

Sl.No	Name	Designation	Mobile	E-mail
1	Dr.Asokkumar A	Associate Professor & Head	9446130386& Head	asokkumarsuma@gmail.com
2	Dr. DineshPal A	Professor	9446101858	adpai@yahoo.com
3	Anjana K R	Associate Professor	9746475534	anjana2407@gmail.com
4	Dr.Elizabeth Chentan	Associate Professor	9447583771	ecjp2015@gmail.com
5	Smitha K S	Associate Professor	9495391329	smithakssarath@gmail.com
6	Dr.Sunila M S	Associate Professor	9495932621	sunilasafa@gmail.com
7	Bindu .S	Asst. Professor	9447507248	bindusnair@yahoo.com
8	Letha Kumari R	Asst. Professor	9495390559	rietha2012@gmail.com
9	Shaini A P	Asst. Professor	9961816100	shaini1016@gmail.com
10	Remya Mol N	Asst. Professor	9605489518	remyanikariyil@gmail.com
11	BIJI G	Asst. Professor	9496119870	bjij2engg@gmail.com
12	Vishal . M. j	Asst. Professor	7416570700	vishalmj@gmail.com
13	Frieda Mohan	Asst. Professor	8547660914	frieda_mohan@yahoo.co.in
14	Rajikrishna	Asst. Professor	9497421627	rv_rajjijayaraj@yahoo.com
15	Rajesh M	Asst. Professor	74004 01422	itsrajum@gmail.com
16	Simi Raj	Asst. Professor	9496847418	simiraj974@gmail.com
16	Thara Mohanan	Asst. Professor (Adhoc)	8129285688	tharamg@gmail.com

8.1.2 Technical

Sl.No	Name	Designation	Mobile	E-mail
1	SRI. Rajesh Kumar P S	Trade Instructor	94961 05315	amarnath.rk66@gmail.com

8.2 Department of Electronics and Communication Engineering

8.2.1 Teaching

No.	Name	Designation	Phone	Email
1	Dr. Suresh K	Professor	9446333485	suresh.kumaraswamy@gmail.com
2	RISHIDAS S	Associate Professor & Head	9847099201	rishidas19731999@gmail.com
3	Celine M S	Associate Professor	9446126125	celinemarystuart@gmail.com
4	Asha Murali	Associate Professor	9447192074	ashanmurali@gmail.com
5	Lekshmi T	Associate Professor	9946690176	lekshmit2001@gmail.com
6	AMBILY N	Assistant Professor	9447897939	nambily1972@gmail.com
7	BIRENJITH P S	Assistant Professor	876 272 8794	birenjith@gmail.com
8	ANU MOHAMED	Assistant Professor	9048344991	amdec07@gmail.com
9	NELSA ABRAHAM	Assistant Professor	9495975074	nelsaarun2016@gmail.com
10	BEENA S	Assistant Professor	9446177658	beenasomanath2016@gmail.com
11	Sooryan J S	Assistant Professor	7994443271	sooryanjs@gmail.com

8.2.2 Technical

Sl.No	Name	Designation	Mobile	E-mail
1	SRI. Rajesh Kumar P S	Trade Instructor	94961 05315	amarnath.rk66@gmail.com

8.3 Department of Information Technology

8.3.1 Teaching

No	Name	Designation	Phone	Email
1	Dr. Shamna H. R.	Associate Professor & Head	9446422003	shamnahr@gmail.com
2	Dr. Vijayanand K S	Associate Professor	9447868592	ksvijayanand@gmail.com
3	Haripriya A P	Associate Professor	9446084405	rendhirrprasad@gmail.com
4	Rendhir R Prasad	Associate Professor	8547549070	haripriya010@gmail.com
5	Josna V.R.	Assistant Professor	9495166066	josna.chandu@gmail.com
6	Divya Prasad K. H.	Assistant Professor	7012293277	divyaprasadh@gmail.com
7	Simi Krishna. K.R.	Assistant Professor	9447140283	simikrishnakr@gmail.com
8	Dr. Deepthi Sasidharan	Assistant Professor	9544170787	deepthsn@gmail.com
9	Jayasree P	Assistant Professor	9048067190	jayasreesaji@gmail.com
10	Shijin Knox G. U.	Assistant Professor	9961395039	shjinknox@gmail.com
11	Mala J B	Assistant Professor	9746825974	malaJB83@gmail.com
12	Anju J.S.	Assistant Professor	9496760020	anjujs@gmail.com
13	Dhanya C.K.	Assistant Professor	9446897555	ck.dhanya@gmail.com
14	Sreedivya R.S.	Assistant Professor	8547013554	rssreedivya@gmail.com

8.3.2 Technical

Sl.No.	Name	Designation	Phone	Email
1	Bavakutty. T	Computer Programmer	9447265499	bavakutty@gmail.com
2	Gijimole. M	Computer Programmer	9496330560	jjjibshaji@gmail.com
3	Jean V.B	Trade Instructor	9496277037	vbjean@gmail.com
4	Suresh B	Trade Instructor	8547888294	sureshgec2013@gmail.com
5	Biju G	Tradesman	9446105406	biju.govind82@gmail.com
6	Mayadevi. S	Tradesman	9995055879	mayasaif@gmail.com
7	Jobin Peter S	Tradesman (Contract)	8289848479	jobinpeter1995@gmail.com
8	Swathy Pradeep S	Apprentice Trainee	8547568209	swathypradeeps@gmail.com

8.4 Department of Mechanical Engineering

8.4.1 Teaching

No.	Name	Designation	Phone	Email
1	Dr. K Jayaraj	Professor & Head	9400288670	jayaraj@cet.ac.in
2	Dr. Bijulal D	Professor	9645357434	dbijulal@cet.ac.in
3	Farook A.	Associate Professor	9446705779	farooka@gmail.com
4	Dr. Rajesh N.R.	Associate Professor	9497849848	rajeshnrtvm@gmail.com
5	Remesh S	Associate Professor	9895342277	remeshnair2000@gmail.com
6	Satheesh Kumar S	Assistant Professor	9496064680	satheeshgecb@gmail.com
7	Dr. Mathew John	Assistant Professor	9495521917	mathewjohn18@gmail.com
8	Santhosh Kumar S V	Assistant Professor	9446530385	svsunthoshkmr@gmail.com
9	Ganesh J	Assistant Professor	9446421570	ganeshmd5@yahoo.co.in
10	Shanker Krishnan	Assistant Professor	9656080192	shankermtn@yahoo.com
11	Saji S.S.	Assistant Professor	9895495072	sajiss1978@gmail.com
12	Dr. Anish K John	Assistant Professor	9446100541	anishkjohn@gmail.com
13	Sumesh Babu C.V.	Assistant Professor	9656111386	sumeshbcv@gmail.com
14	Viji V.	Assistant Professor	9947095680	vjjvcet@gmail.com

8.4.2 Technical

Sl.No.	Name	Designation	Phone	Email
1	S. Venugopal	Trade Instructor	9048664393	-
2	D. Sudheer Kumar	Trade Instructor	9496254080	-
3	Kaneesh.K	Trade Instructor	9567275824	kaneeshkpsla@gmail.com
4	N. K Anil Kumar	Trade Instructor	9495901855	-
5	V.S. Sunil Krishnan	Trade Instructor	9037355717	vssunilkrishnan@gmail.com
6	Babu R	Trade Instructor	9446182660	-
7	M. Fasaludheen	Trade Instructor	9497781577	salmafasaludeen@gmail.com
8	Nishad S	Trade Instructor	9567322443	nishadvipanchika@gmail.com
9	T. K Saji Kumar	Tradesman	9387837928	
10	S Aneesh	Tradesman	9895498059	aneeshkattakada@gmail.com
11	P S Shaiju	Tradesman	9961449871	ps.shaiju@gmail.com
12	V S Vijin	Tradesman	8281248815	vjinvs4@gmail.com
13	S Shameer	Tradesman	9446294995	kssminnath@gmail.com
14	Lalu D S	Tradesman	9446144266	laluds1001@gmail.com
15	Sajeev V	Tradesman	9847904355	sajeevkunnil76@gmail.com

8.5 Department of Civil Engineering

8.5.1 Teaching

No	Name	Designation	Phone	Email
1	Dr. R. Sathesh Chandran	Professor & Head	9496172587	sathesh_cetcivil@rediffmail.com
2	Dr. R. Wilbert	Associate Professor	9495043483	wilbertcet@gmail.com
3	DR. Deepa Raj S	Associate Professor	9446389280	deepaajayan@yahoo.com
4	SIVAKUMAR,S	Associate Professor	9447388331	sivakumar_cet2000@yahoo.com
5	Dr. Jiji Anna Varughese	Associate Professor	9446018863	Jijiana.cet@gmail.com
6	Dr. Raji M	Assistant Professor	8281617934	rajisubash009@gmail.com
7	Lini R Chandran	Assistant Professor	9447460832	linisam@gmail.com
8	Kiran C.J,	Assistant Professor	9539063463	kiranchingu@gmail.com
9	sonali Snehajan	Assistant Professor	8848133165	sonalisnehajan@gmail.com
10	Dr. MINU S	Assistant Professor	9962211701	minu.s88@gmail.com
11	DHANYA G	Assistant Professor	9567046714	dhanyanitk@gmail.com
12	SUMI SURESH BABU	Assistant Professor	9995191481	sumisb5889@gmail.com
13	Nileena Suresh Kumar	Assistant Professor	9809229055	nileenasureshkumar@gmail.com
14	AKHIL G	Assistant Professor	8281383105	akhilg96333@gmail.com

8.5.2 Technical

Sl.No.	Name	Designation	Phone	Email
1	Sheela A. A.	Trade Instructor	9497688831	Sheela_s_06@yahoo.com

8.6 Department of Mathematics

Sl.No.	Name	Designation	Phone	Email
1	AnithaKumari S S	Associate Professor and Head	9495301118	anithakumariss1234@gmail.com
2	Sheeba G.	Assistant Professor	9847541300	sheebaben97@gmail.com
3	Dr.Rahumathulla K.	Assistant Professor	9447104551	rrh4rrh@gmail.com
4	Deepa Devi. V	Assistant Professor	9446100974	vdeepadevi@gmail.com
5	Dr.Indu. R.S	Assistant Professor	9895120338	induarun2504@yahoo.com

8.7 Department of Physics

Sl.No.	Name	Designation	Phone	Email
1	Dr.NeenaSugathan	Assistant Professor & Head	9497880192	sugathanneena@gmail.com

8.8 Department of Chemistry

Sl.No.	Name	Designation	Phone	Email
1	Valsanraj V P	Assistant Professor & Head	8547097661	valsanraju@yahoo.com

8.9 Department of Physical Education

Sl.No.	Name	Designation	Phone	Email
1	Anilkumar N	Assistant Professor	9387772287	anilkumarcoach@gmail.com

8.10 Administrative Staff

PRINCIPAL'S OFFICE				
Dr. Suresh K	Principal		principal@gecbh.ac.in	4712300484
Smt. Bindhu P R	C A			9497454030
Sri. Sreejith B S	OA			8593035549

ADMINISTRATIVE OFFICE				
Sri. Joseph Jolly A	AA		aa.gecbh@kerala.gov.in	8547902606
Smt. Raichel R	AO		raichelr3@gmail.com	9496762406
Sri. Rajeev V R	O A	Inward		9744767372
Sri. Rajesh Kumar G	O A	Despatch		9447427607

INFORMATION BULLETIN 2019-2020

ESTABLISHMENT				
Smt. Ajithambili K	Sr. Supdt	Establishment & Academic	ajithambilik@gmail.com	9446368897
Sri. Nishad T A	Sr. Clerk	Gazetted	nishad.t.a@gmail.com	9446397868
Sri. Joy Dsilva	Clerk	Non Gazetted	joydsilvab@gmail.com	9497011914
Sri. Pradeep A S	O A		kasinathanpv@gmail.com	9895042827

ACCOUNTS				
Smt. Cheerly C A	Chief Accountant		cheerly69@gmail.com	9400475906
Smt. Sreelatha A	Head Accountant		latha67chithram@gmail.com	9447699359
Sri. Arun Kumar R	Sr. Clerk	Salary	aviramomaran@gmail.com	9037865581
Sri. Suresh Kumar R S	Clerk	PF & Audit	sureshjdtpm@gmail.com	9446404235
Sri. Santhosh Kumar C S	LD Typist	Contigent Bill & Budget	essanthosh9@gmail.com	8606757900
Smt. Jiji G S	L D TYPIST		jjianil03@gmail.com	9048455886

PURCHASE				
Smt. Mini S	Jr. Supdt		minianil.s7@gmail.com	9447001191
Sri. Kapil Sreedhar	Clerk	Purchase above one lakh	kapstvm@gmail.com	8129194870
Sri. Manu Mohan	Clerk	Purchase below one lakh	manumanappally@gmail.com	9809678776

STORE				
Sri. Suresh Kumar A	TSK		sureshara2@gmail.com	7907997829
Sri. Robinson B	NTA		robinsonpirayil@gmail.com	9895033921

TRANSPORTATION				
Smt. Sanooja S	UDT	Bus Pass & Concessions	rajansanooja@gmail.com	9544592657
Sri. Arun G R	Driver (Gr.II)		arungr.18@gmail.com	9037697769
Sri. Jayachandran S.	Driver			9495226218
Sri. Shajahan S	Driver			9446218625
Sri. Vinod Kumar P S	Bus Cleaner			9645060945

8.11 Library Staff

NAME	DESIGNATION	PHONE	E-MAIL
Sheela Pereira	Scientific Information Officer	9947474866 (M)	sheelapereira@rediffmail.com
Sreekumar G	Librarian.Gr.II	8281629864 (M)	rajisree80@gmail.com
Ajan R	Librarian Gr.IV	9895858663 (M)	ajanr84@gmail.com
Sherly T K	NTA	8281179113 (M)	tksherly@gmail.com
Mahesh Kumar M	NTA	9496252084 (M)	NIL
Joy.P.T	NTA	7558083848 (M)	joypthptc@gmail.com
Prakash D J.	NTA	7907314010 (M)	
Sudheera Chandran N V	OA	9349874146 (M)	

9 ENGINEERING COLLEGES IN KERALA

9.1 Under the Directorate of Technical Education (DTE)

9.1.1 Government

NAME	PHONE
Government Engineering College Painavu, Idukki	0486 2233250
Government Engineering College Kozhikode	0495 2383220
Government College of Engineering Kannur	0497 2780226
Rajiv Gandhi Institute of Technology Pampady, Kottayam	0481 2506153
Government Engineering College Sreekrishnapuram, Palakkad	0466 2260350
Government Engineering College Thrissur	0487 2334144
Government Engineering College Barton Hill, Thiruvananthapuram	0471 2300485
College of Engineering Thiruvananthapuram	0471 2598370
Government Engineering College Mananthavady, Wayanad	04935 271261

9.1.2 Aided

NAME	PHONE
Mar Athanasius College of Engineering, Kothamangalam	0485 2822363
NSS College of Engineering Akathethara, Palakkad	0491 2555255
TKM College of Engineering, Kollam	0474 2712022

9.2 Under The Kerala Agricultural University (KAU)

NAME	PHONE
College of Dairy Science and Technology Mannuthy, Trissur	0487 2372861
Kelappaji College of Agril.Engineering and Technology Tavanur, Malappuram	0494 2686214

9.3 Self-Financing Colleges Under The Institute of Human Resource Development (IHRD)

NAME	PHONE
College of Engineering Adoor Pathanamthitta	04734 231995
College of Engineering Attingal	04702627400
College Of Engineering Kottarakara, Kollam	0474 2453300
College of Engineering Cherthala Alappuzha	0478 2553416
College of Engineering Chengannur, Alappuzha	0479 2451424
College of Engineering Karunagapally, Kollam	0476 2665935
Model Engineering College Trikkakara, Ernakulam	0484 2577379
College of Engineering Poonjar, Kottayam	0482 2271737
College of Engineering Kallooppara, Pathanamthitta	0469 2678983

9.4 Self-Financing Colleges Under The Lal Bahadur Sastri Centre For Science and Technology (LBS)

NAME	PHONE
LBS College Of Engineering Muliyar Kasargod	04994 250290
LBS Institute of Technology For Women Poojappura, Thiruvananthapuram	0471 2349232

9.5 Self-Financing Colleges Under The Co-operative Academy of Professional Education (CAPE)

NAME	PHONE
College of Engineering Kidangoor, Kottayam	04822 255056
College of Engineering Perumon, Kollam	0474 2550400
College of Engineering and Management Punnapra, Alappuzha	0477 2267311
College of Engineering Trikarapur, Kasargod	04672250750
College of Engineering Thalassery, Kannur	0490-2388930
Co-operative Institute of Technology Vadakara, Kozhikode	0496 2536125
College of Engineering Pathanapuram, Kollam	0475 2022810
College of Engineering Aranmula, Pathanamthitta	0468 2319131

NAME	PHONE
College of Engineering Muttathara, Thiruvananthapuram	0471 2500211

9.6 Self-Financing Colleges Under Department Of Transport ,Govt.of Kerala

NAME	PHONE
Sree Chitra Thirunna College of Engineering Pappanamcode, Thiruvananthapuram	0471 2449470572

10 IMPORTANT TELEPHONE NUMBERS

Director of Technical Education

Reception	0471 2561200 0471 2451741
Director	0471 2451369 0471 2561222
CA to Director	0471 2561307
Senior Joint Director ECS	0471 2451747
Director SPFU	0471 2463822
Finance Officer	0471 2561401
Administrative Officer	0471 2561201

Collegiate Education

Director	0471 2303548
Reception	0471 2303107

University of Kerala

Vice Chancellor	0471 2306634
Registrar	0471 2305631
Controller of Examinations	0471 2305946
Enquiry	0471 2305994

APJ Abdul Kalam Technological University

Vice Chancellor	0471 2598222
Registrar	0471 2598722
Controller of Examinations	0471 2598822
Enquiry	0471 2593120

Government Polytechnics

Central Polytechnic, Vattiyoor kavu	0471 2360391
Women's Polytechnic, Karamana	0471 2491682
Government Polytechnic, Attingal	0470 2622643
Government Polytechnic, Neyyatinkara	0471 2222935
Government Polytechnic, Nedumangad	0472 2802686

Telephone Numbers (continued)**General Information**

Ministor for Education, Kerala	0471 2327561
	0471 2321228
Principal Secretary Higher Education.	0471 2328410
Enquiry	0471 2336576
Finance Secretary	0471 2518521
MLA	
Sri Binu I P, Counsellor	9645822288
Entrance Commissioner	0471 2338487
JCTE, Kaimanam	0471 2492032
Friends	0471 2338652
KSEB (Enquiry)	0471 155333
Vanchiyoor Post Office	0471 2474534
Assistant Executive Engineer (PWD)	0471 2303412
	9847102278
Water Supply Enquiry	0471 2328654
Information Center	0471 2518471
GPO	0471 2473071
BSNL Fault Repair	0471 2302198
Finger Tips	0471 2722722

Hospitals

Medical College	0471 2444270
General Hospital	0471 2443870
Cosmopolitan Hospital	0471 2521252
KIMS Hospital	0471 2447575
PRS Hospital	0471 2344443
SUT Hospital	0471 4077777
SP Fort Hospital	0471 2450540
Anadiyil Hospital	0471 2304086

Police

Control Room	100
	0471 2331843

Telephone Numbers (continued)

Help Line 9622100100

Railways

Enquiry	1361
Trivandrum Central	0471 2323066
Reservation Center, Pattom	0471 2542130

11 BUS ROUTE

BUS NO.1

MORNING

EVENING

BOARDING POINT	TIME	BOARDING POINT	TIME
CET	7.45 AM	College	4:10 PM
Chavadimukku	7.50 AM	PMG	4:15 PM
Sreekaryam	7.55 AM	Pettah	4:20 PM
Elamkulam	8.05 AM	Kannammoola	4:25 PM
Pongummoodu	8.10 AM	Medical College	4:30 PM
Ullor	8.15 AM	Ullor	4:35 PM
Medical College	8.20 AM	Pongummoodu	4:40 PM
Kannammoola	8.25 AM	Elamkulam	4:45 PM
Pettah	8.30 AM	Sreekaryam	4:50 PM
PMG	8.35 AM	Chavadimukku	4:55 PM
College	8.40 AM	CET	5:00 PM

BUS FARE FOR ONE SEMESTER

BOARDING POINT	SIS2	S3/S5/S7 (For one sem)	College Staff (Monthly)
College - Ullor	Rs. 1050	Rs.750	Rs.250/-
Beyond Ullor	Rs.1350	Rs.900	Rs.250/-

Bus Ticket Rs.10/-

BUS NO.2

MORNING

EVENING

BOARDING POINT	TIME	BOARDING POINT	TIME
College (Departure)	7:45 AM	College (Departure)	4:10 PM
Pattom	7:53 AM	PMG	4:13 PM
Kesavadasapuram	7:55 AM	Marappalam	4:18 PM
Paruthippara	7:57 AM	Kuravankonam	4:20 PM
Nalanchira	8:01 AM	Kowdiar	4:22 PM
Kottamukal	8:04 AM	Kottamukal	8:04 PM
Mannanthala	8:07 AM	Vazhayila	4:32 PM
Mukkola	8:10 AM	Peroorkada	4:36 PM
Kudappanakkunnu	8:15 AM	Kudappanakkunnu	4:40 PM
Peroorkada	8:19 AM	Mukkola	4:45 PM
Vazhayila	8:23 AM	Mannanthala	4:48 PM
Ambalamukku	8:30 AM	Kottamukal	4:51 PM
Kowdiar	8:33 AM	Nalanchira	4:54 PM
Kuravankonam	8:35 AM	Paruthippara	4:58 PM
Marappalam	8:37 AM	Kesavadasapuram	5:00 PM
PMG	8:42 AM	Pattom	5:02 PM
College(Arrival)	8:45 AM	College(Arrival)	5:05PM

BUS FARE FOR ONE SEMESTER

BOARDING POINT	SIS2	S3/S5/S7 (For one sem)	College Staff (Monthly)
College - Peroorkada	Rs. Rs. 1200	Rs.1000	Rs.300/-
Beyond Peroorkada	Rs.1500	Rs.1150	Rs.300/-

Bus Ticket Rs.10/-

BUS NO.3**MORNING****EVENING**

BOARDING POINT	TIME	BOARDING POINT	TIME
College (Departure)	7.25 AM	College (Departure)	4.10 PM
Vellayambalam	7.35 AM	PMG	4.15 PM
Sasthamangalam	7.40 AM	Panavila	4.20 PM
Maruthankuzhy	7.43 AM	Model School	4.25 PM
Vattiyoorkkavu	7.50 AM	Thampanoor	4.35 PM
P.T.P	7.55 AM	East Fort	4.40 PM
Pallimukku(pangodu)	8.00 AM	Manacaud	4.45 PM
Poojappura	8.05 AM	Attakkulangara	4.50 PM
Kunjalummoodu	8.08 AM	Killippalam	4.55 PM
Karamana	8.10 AM	Karamana	5.00
Killippalam	8.12 AM	Kunjalummoodu	5.05
Attakkulangara	8.17 AM	Poojappura	5.10
Manacaud	8.20 AM	Pallimukku(pangodu)	5.15
East Fort	8.25 AM	P.T.P	5.20
Thampanoor	8.32 AM	Vattiyoorkkavu	5.25
Model School	8.35 AM	Maruthankuzhy	5.30
Panavila	8.40 AM	Sasthamangalam	5.35
PMG	8.45 AM	Vellayambalam	5.40
College (arrival)	8.50 AM	College (arrival)	5.45 PM

BUS FARE FOR ONE SEMESTER

BOARDING POINT	SIS2	S3/S5/S7 (For one sem)	College Staff (Monthly)
College - East Fort	Rs. 1200	Rs.1000	Rs.300/-
Beyond East Fort	Rs.1500	Rs.1150	Rs.300/-

Bus Ticket Rs.10/-

12 NEAR BY HOSTELS

MEN'S HOSTEL

HOSTEL	PH NO
Model Hostel for Boys,Vellayambalam	9496330072
LMS WILLS Hostel Palayam	04712316778
YMCA Men's Hostel,Statue	04712330059

WOMEN'S HOSTEL

HOSTEL	PH NO
Ladies Hostel, GECBH	9447303825
LMS girls Hostel	04712311878
YWCA Women's Hostel Spencer junction	04712463690
	8547263690(M)

13 GECBH HIGHLIGHTS

- * The Government Engineering College, Barton Hill, Thiruvananthapuram, was founded by the Government of Kerala in August 1999 on the land donated by His Highness Sri.Chithira Thirunal Balrama Varma, the last ruling Maharaja of the Princely State of Travancore.
- * The only college in Kerala that gave an IAS first rank holder.
- * The only campus in Kerala that hosts Mercedes Benz for campus placement.
- * One among the premier institutions at the national level which has been selected for the implementation of the world bank aided Technical Education Quality Improvement program (TEQIP) by the MHRD, Government of India in its second phase.
- * Most preferred college in Kerala by Top rank holders of Entrance examinations conducted by Government of Kerala.
- * Excellent academic performance bagging many university ranks.
- * The pass percent of this college is far ahead compared to similar institutions in the state.
- * One of the highest percentage of faculty members, who are IIT alumni.
- * Many reasearch publications of staff and M.Tech students have been published in National and International Journals/ Conference proceedings.
- * Every year college hosts a National Conference (NCET) and also conducts Aagneya ,the inter college Techno-cultural festival since 2008.
- * Excellent campus placement records with number of job offers greater than the number of eligible students.
- * M.Tech program in collaboration with Montreal and Colombia University.
- * Many innovative projects by students have been adjudged as best at various levels.