

GOVERNMENT ENGINEERING COLLEGE

BARTON HILL, THIRUVANANTHAPURAM – 695035

PH: 0471-2300484, 2300485 FAX: 0471-2300484

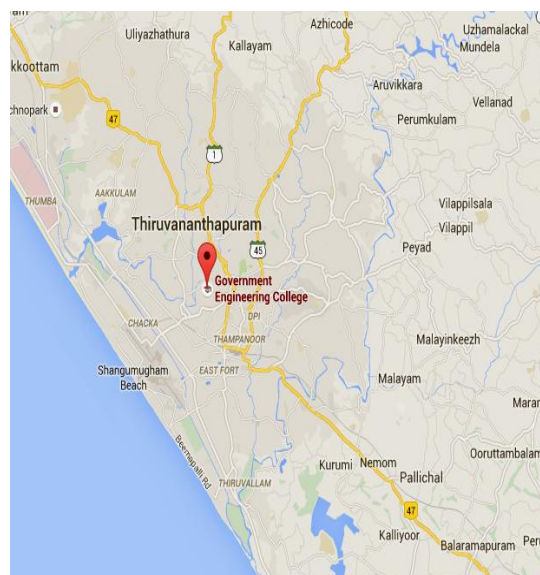
Email: principal@gecbh.ac.in

MANDATORY DISCLOSURE

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UPDATED ON 13/11/2017

1. AICTE File No. F.No. South-West/1-3330473995/2017/EOA
Date & Period of last approval 30.03.2017 FOR THE ACADEMIC YEAR 2017 - 18
2. Name of the Institution GOVERNMENT ENGINEERING COLLEGE, BARTON HILL
Address of the Institution BARTON HILL, THIRUVANANTHAPURAM
City & Pin Code THIRUVANANTHAPURAM, PINCODE-695035
State / UT KERALA
Longitude & Latitude 76.94E; 8.50N



Location of the institution in map

- Phone number with STD code 0471-2300484, 2300485
- FAX number with STD code 0471-2300484
- Office hours at the Institution 09.00 AM to 04.00 PM
- Academic hours at The Institution 09.30 AM to 04.00 PM
- Email principal@gecbh.ac.in
- Website <http://www.gecbh.ac.in>
- Nearest Railway Station (dist in Km) THIRUVANANTHAPURAM CENTRAL (4kms)

Nearest Airport (dist in Km)	THIRUVANANTHAPURAM AIRPORT (5kms)
Vision of the Institution	<i>A centre of higher learning in engineering that nurtures inquisitive young minds, fosters innovative research and reaches out to the society, while incessantly improving itself</i>
Mission of the Institution	<ul style="list-style-type: none"> ❖ Impart engineering knowledge and skills ❖ Mould professionals with integrity ❖ Nurture the spirit of innovation, creativity and sustainability to address needs of society ❖ Collaborate with industry, academic and research institutions of repute
3. Type of Institution	Government
Category (1) of the Institution	
Category (2) of the Institution	Co-Ed
4. Name of the organization running the Institution	Govt. of Kerala
Type of the organization	
Address of the organization	
Registered with	
Registration Date	6/10/2001
Website of the organization	http://www.gecbh.ac.in
5. Name of the affiliating University / Board	A.P.J. Abdul Kalam Kerala Technological University (KTU)
Address	VANCHIYOOR P. O, THIRUVANANTHAPURAM
Website	www.ktu.edu.in
Latest affiliation period	2014-15
6. Name of Principal / Director	Dr. Rajasree M S
Exact Designation	PRINCIPAL
Phone number with STD code	0471-2300484
FAX number with STD code	0472-2300485
Email	rajasree40@gmail.com

Highest Degree Ph.D.

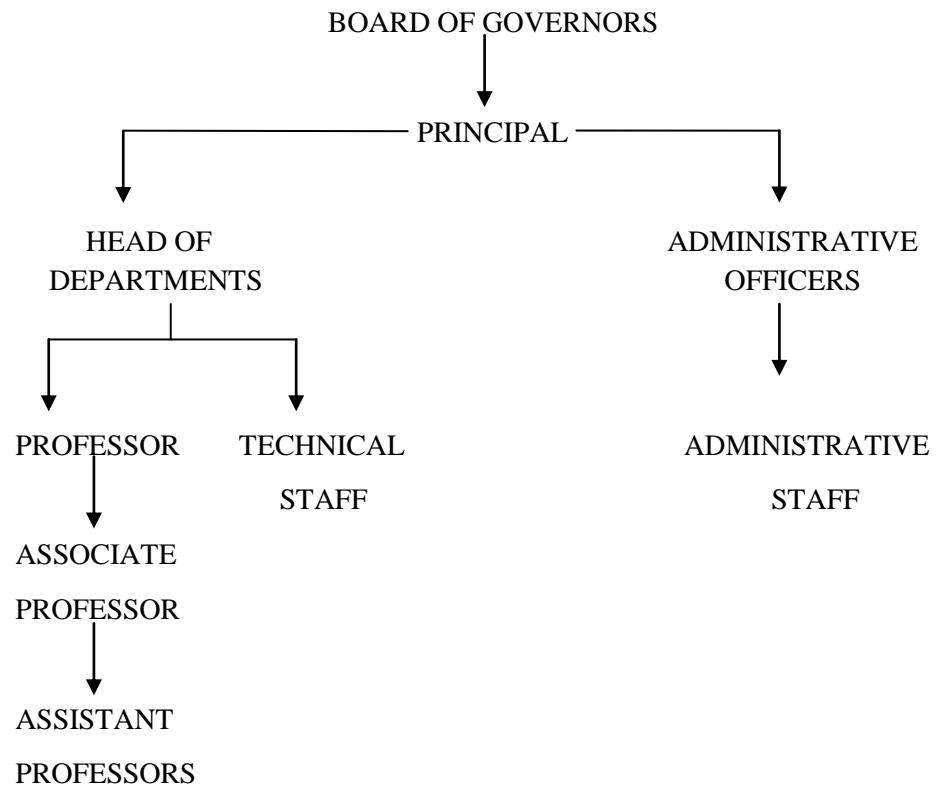
Field of Specialization Computer Science and Engineering.

Governing Body Members

S. No.	Name and Address	Position in BoG
1.	Prof. V. G. Idichandy Professor Emeritus, IIT Madras, Chennai. Pin 600 036 Email : chandy@iitm.ac.in Phone : 09962514000	Chairperson
2.	Prof. K. Kurien Isaac Professor, Aerospace Engineering, IIST, Thiruvananthapuram Pin 682030 Email : kurien@iist.ac.in Phone : 9446349505	Member
3.	Prof. (Dr.) K.C Chandrasekharan Nair. Associate Principal Consultant KITCO	Member
4.	Prof. (Dr.) Vijayakumar N. Professor (ECE), Government Engineering College Barton Hill . Pin 695035 Email : dr.nvkr@gmail.com Phone : 9446700859	Member
5.	Dr. K. P Indiradevi Director of Technical Education	Member (Ex-officio)
6.	Prof. Gangadharan K V Professor, National Institute of Technology, Surathkal	Member (AICTE Nominee)
7.	Addl Secretary/Jt. Secretary/Dy. Secretary Higher Education Department, Government of Kerala	Member (Ex-officio)
8.	Secretary/Addl. Secretary/Jt. Secretary Finance Department, Government of Kerala	Member (Ex-officio)
9.	University Nominee	Member University Nominee (Ex-officio)
10.	Prof. (Dr.) Rajasree M S Principal, GEC Barton Hill. Pin 695 035 Email : principal@gecbh.ac.in	Member (Ex-officio)
11.	Prof. (Dr.) S Anil lal Professor (ME), Government Engineering College Barton Hill . Pin 695035	Member

Frequency of meetings and date of last meeting Four Times in a Year ; 24th March 2017

Organizational Chart



Student feedback mechanism on Institutional Governance / faculty performance

Yes; Online evaluation of teachers by students is conducted regularly, at the end of each semester. In addition to the online feedback, two intermediate feedbacks (after one month and mid semester) from students are obtained to monitor the performance of the faculty and facilities.

Grievance redressal mechanism for faculty, staff and students

Yes; 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 related to actions and find solutions to the problems and issues raised by the students for the smooth functioning of the college

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

- ❖ to work for the welfare of the students and the institution. 51 Information Bulletin 2017
- ❖ to offer constructive suggestions for the smooth and successful functioning of this college.
- ❖ 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.

7. PROGRAMMES (UG)

Sl No.	Name of the Programme	No. of Seats	Duration
1.	Civil Engineering	63	8 Semesters
2.	Electronics & Communication Engineering	63	8 Semesters
3.	Electrical & Electronics Engineering	63	8 Semesters
4.	Information Technology	63	8 Semesters
5.	Mechanical Engineering	63	8 Semesters

PROGRAMMES (PG)

Sl No.	Name of the Programme	No. of Seats	Duration
1	Machine Design (ME)	18	4 Semesters

2	Network Engineering (IT)	18	4 Semesters
3	Power System & Control (EEE)	18	4 Semesters
4	Signal Processing (ECE)	18	4 Semesters
5	Translational Engineering (TE)	18	4 Semesters

8. Facilities

8.1 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 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 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 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.

8.2 Industry-Institute Interaction Cell (IIIC) Industry–Institute Interaction Cell is functioning in this college as a forum of interaction between industries and the college, for mutual benefit. A committee consisting of representatives from industry and the faculty is monitoring the activities of the cell.

- 8.3 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 is usually carried out in the reputed firms such as KAL, BRAHMOS, Cochin Shipyard, Hyundai Motors, Toyota Kirloskar Motors, Travancore Titanium Ltd, KELTRON, BSNL, AIR etc.
- 8.4 The visiting faculty program:** 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 or conduct seminars on latest technological and scientific developments. Distinguished faculty from prestigious academic institutions (IISc Bangalore, 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.
- 8.5 IPR Cell:** Intellectual Property Rights (IPR) cell has been setup in the college. This cell will function 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.
- 8.6 College Library:** The college is having a full fledged library. It has 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 is installed in the library.
- 8.7 College Hostel:** A ladies hostel is functioning in the college precincts since July 2012. The hostel provides accommodation to 210 inmates. The hostel mess is running on a dividing system under the supervision of mess committee.
- 8.8 Personal Growth Center:** A student counselling centre is functioning in the institution. It is involved in various types of activities which include arranging counselling sessions for students as well as faculty and giving suggestions for the students problems. Prof. Viswambharan, Adjunct Faculty, mech is the cheif counselor.
- 8.9 The Ladies' Amenity Center:** The amenity center for women is working at Room No. MG 05 in the main building of Government Engineering College, Barton Hill. The library section of the Women's

Study Unit 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.

8.10 Student Facilitation Center (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.

8.11 The IEEE Student Branch:

Website : www.ieeegecbh.org

e-mail : ieeegecbh@gmail.com

IEEE Student Branch Code : 64271

School Code : 41707494

The student branch of the Institute of Electrical and Electronics Engineers, USA is functioning in the college, since March 2005. The motto is to create an awareness in the budding engineers on the latest technological innovation and networking with the peers. The student branch is a well organized body and is planning to build up a separate office and library of volumes on Electrical/Electronics, it and Computer streams and a handful of periodicals including iee journals. The student branch takes up a host of activities throughout the year including guest lectures, video 32 Information Bulletin 2015 screening, technical quizzes, mock interviews and design contests for the benefit of students of Electronics and Communication/it branches.

8.12 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).

8.13 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 chapter organizes INCEPTRA - an inter-collegiate technical festival - every year.

- 8.14 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.
- 8.15 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.
- 8.16 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. 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.
- 8.17 Technology Business Incubation cell (TBI):** A Technology Business Incubation cell Barton Hill (TBI-B) has been established in the month of June 2014 with focus on software development as an important facility of Government Engineering College Barton Hill (GECBH). TBI-B will provide 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-B will provide Training and Information support, Office Support and Common Facilities, Infrastructure and Manpower, Industry Oriented Software Training, Memorandum of Understanding, Strategic Planning and Business Development etc.
- 8.18 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.

9. Scholarships offered:

i. 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.

ii. 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.

iii. Merit Scholarship: District Merit Scholarship (DMC) based on sslc marks, Rs. 4000 per year, University Merit Scholarship (UMS) based on hsc marks, Rs. 2000 per year, are also available.

iv. Government of India Post Metric Scholarship: This is a Government of India scholarship based on economic criteria of students.

v. Government of Kerala National Loan Scholarship Schemes: This is available on the basis of marks obtained in the qualifying examination.

vi. Interest free repayable loan scholarship by Government of Kerala: This scholarship is given by the Government of Kerala to students of engineering institutions based on marks obtained in the qualifying examinations.

vii. 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.

viii. Educational concession to the students belonging to backward community: Full fee concession, Lump sum grant for purchase of books and dresses, pocket money of Rs. 45 per month and monthly stipend or boarding and lodging charges.

ix. Converted to Christianity from Scheduled Caste and Scheduled Tribes and other eligible communities: Full fee concession, monthly stipend of Rs. 180 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. All students whose parent's annual income does not exceed Rs. 42,000 are eligible for fee concession under KPCR scholarships.

10. DEPARTMENT'S DETAILS

A. Mechanical Engineering

Name of the Department	MECHANICAL ENGINEERING
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Course	B. Tech in Mechanical Engineering , M.Tech in Machine Design
Level	UG & PG
1 st year of approval by the Council	2001; 2012
Accreditation status of the course	Applied for Accreditation
Doctoral Courses	No
Foreign Collaborations, if any	NIL
Professional Society Memberships	ISTE
Professional activities	ISTE

B. Civil Engineering

Name of the Department	CIVIL ENGINEERING
Course	B. Tech in Electrical and Electronics Engineering
Level	UG
1 st year of approval by the Council	2012
Accreditation status of the course	Not Accredited
Doctoral Courses	No
Foreign Collaborations, if any	
Professional Society Memberships	ISTE
Professional activities	ISTE

C. ELECTRICAL AND ELECTRONICS ENGINEERING

Name of the Department	ELECTRICAL AND ELECTRONICS ENGINEERING
Course	B. Tech in Electrical and Electronics Engineering , M.Tech in Power System and Design
Level	UG & PG
st 1 st year of approval by the Council	2006 (UG); 2013 (PG)
Accreditation status of the course	Not Accredited
Doctoral Courses	No
Foreign Collaborations, if any	
Professional Society Memberships	IEEE
Professional activities	IEEE

D. Electronics & Communication Engineering

Name of the Department	ELECTRONICS AND COMMUNICATION ENGINEERING
Course	B. Tech in Electronics and Communication Engineering , M.Tech in Signal Processing
Level	UG & PG
st 1 st year of approval by the Council	1999
Accreditation status of the course	Applied for Accreditation
Doctoral Courses	No
Foreign Collaborations, if any	
Professional Society Memberships	ISTE
Professional activities	

E. Information Technology

Name of the Department	INFORMATION TECHNOLOGY
Course	B. Tech in Information Technology, M.Tech in Network Engineering
Level	UG & PG
1 st year of approval by the Council	1999
Accreditation status of the course	Applied for Accreditation
Doctoral Courses	No
Foreign Collaborations, if any	
Professional Society Memberships	ISTE
Professional activities	

11. TEACHING STAFF DETAILS

A. Department of Electrical and Electronics Engineering

Sl. No	Faculty Name	Designation	Qualification
1	Dr. Dinesh Pai	Professor	Ph.D
2	K.L. Sreekumar	Associate Professor	M.Tech
3	Sreeja S	Assistant Professor	M.Tech
4	Ansarudeen. H	Assistant Professor	M.Tech
5	Biji G	Assistant Professor	M.Tech
6	Remyamol N	Assistant Professor	M.Tech
7	Shaini A. P	Assistant Professor	M.Tech
8	Raji Krishna	Assistant Professor	M.Tech
9	Monish. M	Assistant Professor	M.Tech

10	Frieda Mohan	Assistant Professor	M.Tech
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B. Department of Electronics and Communication Engineering

Sl. No	Faculty Name	Designation	Qualification
1	Dr. Vijayakumar. N.	Professor	Ph.D
2	Dr. Suresh Babu	Professor	Ph.D
3	Christy James Jose	Associate Professor	M.Tech
4	Alex Raj. S. M	Assistant Professor	M.Tech
5	K. M. Nadheera	Assistant Professor	M.Tech
6	Biju. K. S	Assistant Professor	M.Tech
7	Ambil. N	Assistant Professor	M.Tech
8	Anu Mohammed	Assistant Professor	M.Tech
9	Nelsa Abraham	Assistant Professor	M.Tech
10	Beena S	Assistant Professor	M.Tech

C. Department of Information Technology

Sl. No	Faculty Name	Designation	Qualification
1	Sathee Bhai. P. R	Associate Professor	M.Tech
2	Balu John	Associate Professor	ME
3	Shamna H R	Assistant Professor	M.Tech
4	Vijayanand K S	Assistant Professor	M.Tech
5	Josna. V.R	Assistant Professor	M.Tech
6	Divyaprasad K H	Assistant Professor	M.Tech
7	Simi Krishna. K.R	Assistant Professor	M.Tech
8	Jayasree. P	Assistant Professor	M.Tech
9	Shijin Knox	Assistant Professor	M.Tech
10	Anju J S	Assistant Professor	M.Tech

11	Dhanya C K	Assistant Professor	M.Tech
12	Sreedivya R S	Assistant Professor	M.Tech

D. Department of Mechanical Engineering

Sl. No	Faculty Name	Designation	Qualification
1	Dr. S Anil lal	Professor	Ph.D
2	Suneesh S S	Associate Professor	M.Tech
3	Remesh. S	Associate Professor	M.Tech
4	Dr.Rajesh. N.R	Associate Professor	Ph.D
5	Dr. Rakesh P	Associate Professor	Ph.D
6	Satheesh Kumar. S	Associate Professor	M.Tech
7	Anitha S Nair	Assistant Professor	M.Tech
8	Gopakumar. S	Assistant Professor	M.Tech
9	Santhosh Kumar. S. V	Assistant Professor	M.Tech
10	Ganesh. J	Assistant Professor	M.Tech
11	Dr. Anish K John	Assistant Professor	Ph.D
12	Prasanth V S	Assistant Professor	M.Tech
13	Jyothish	Assistant Professor	M.Tech

E. Department of Civil Engineering

Sl. No	Faculty Name	Designation	Qualification
1	Dr. Jaya V	Professor	Ph.D
2	Dr. Suja. R	Associate Professor	Ph.D
3	Dr. Jiji Anna Varughese	Assistant Professor	Ph.D
4	Dr. Raji. M	Assistant Professor	Ph.D
5	Dr. R Wilbert	Assistant Professor	Ph.D

6	Kiran C J	Assistant Professor	M.Tech
7	DivyaChandran	Assistant Professor	M.Tech
8	Sunil C Bahanan	Assistant Professor	M.Tech
9	Thushara	Assistant Professor	M.Tech

F. Department of Mathematics

Sl. No	Faculty Name	Designation	Qualification
1	Anitha kumara S S	Assistant Professor	M.Phil
2	Sheeba G	Assistant Professor	M.Phil
3	Dr. Rahumathulla K	Assistant Professor	Ph.D
4	Deepa devi V	Assistant Professor	M.Phil
5	Dr. Indu R S	Assistant Professor	Ph.D

Department of Physics

Sl. No	Faculty Name	Designation	Qualification
1	Dr. Neena Sugathan	Assistant Professor	Ph.D

Department of Chemistry

Sl. No	Faculty Name	Designation	Qualification
1	Dr.Ajith Dain Thomas	Assistant Professor	Ph D

Department of Physical Education

Sl. No	Faculty Name	Designation	Qualification
1	Dr.Anilkumar N	Assistant Professor	PhD