

INFORMATION BULLETIN

2019-20



RAJIV GANDHI INSTITUTE OF TECHNOLOGY KOTTAYAM

(GOVERNMENT ENGINEERING COLLEGE)

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Rajiv Gandhi Institute of Technology Kottayam

Information Bulletin 2019-20

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1. AN OVERVIEW

1.1 Brief History

Rajiv Gandhi Institute of Technology (RIT), Kottayam is one of the nine Government Engineering Colleges fully owned and run by the Government of Kerala. The college started functioning in 1991, and is named after late Prime Minister Sri. Rajiv Gandhi. The Government has started this institution with the view of making it a centre of excellence for post-graduation and research studies.

The college at its days of infancy was functioning at Technical High School, Velloor and PTM High School, Velloor. Within few years, the college was shifted to the present sprawling campus. Over the years, it has developed a vast infrastructure, and has shown a steady growth. It is worth mentioning the following milestones in the history of RIT:

- 1991-Commencement of B. Tech in Civil, Mechanical, Electrical and Electronics Engg.
- 1999-Commencement of B. Tech in Computer Science Engg.
- 2001-Commencement of MCA
- 2005-Commencement of M. Tech in Mechanical and Electrical Engg.
- 2007-Accreditation by NBA
- 2011-Commencement of B. Arch
- 2011- Commencement of M. Tech programmes in Civil and Electronics Engg.
- 2012-Commencement of Technical Education Quality Improvement Programme (TEQIP)
- 2013-Starting of QIP centre for Ph.D programmes in Civil and Electrical Engg.
- 2014-Commencement of M. Tech in Computer Science Engg.
- 2015-Commencement of Silver Jubilee Celebrations
- 2016-Accreditation by NBA
- 2016-Cessation of Silver Jubilee Celebrations
- 2017-Successful completion of TEQIP Phase-II
- 2019- Extension of Accreditation by NBA for 3 years

1.2 Location and how to reach

The campus, nestling amidst the scenic beauty of central Kerala, is situated at Nedumkuzhy about 14 km, from Kottayam on the side of K. K. Road (NH 183).

By Road: Kottayam is well connected by road to all parts of India by national high ways and numerous other routes. Bus services are available from almost all major cities in Kerala, Tamilnadu and Karnataka. Buses are available from main centres in Kottayam. The private and KSRTC bus stations are situated about 14 km away.

By Rail: Kottayam is a major railway destination with trains running to all parts of the country. College is located 13 km from Kottayam railway station.

By Air: The nearest airport is at Nedumbassery, Kochi, which is 89 km from Kottayam. It is an international airport connected by major aircraft operators.

Within Kottayam: The college can be reached from KSRTC bus station, Private bus station and Sastri road by taking buses to Pampady, Ponkunnam, Kumali and Kanjirappally, and disembarking at Nedumkuzhi bus stop. The college is about 1 km from the bus stop. The college can be reached from Kottayam railway station by taking buses from Logos Junction. Autorikshaws are available from Nedumkuzhi bus stop.

1.3 Campus

The campus extends over 87 acres of rubber plantation. The magnificent buildings of the college itself serve as a source of inspiration for a student. Displaying a perfect blend of aesthetic values and functional designs, the buildings stand for their architectural excellence. The buildings have been designed to suit the steep contoured site with lesser disturbance to the environment. In addition to the administrative block and library block, separate self-contained blocks are provided for each department.

1.4 Vision and Mission of the Institute

Vision

Be a centre of technological excellence for the betterment of society.

Mission

To impart professional education to students from all sectors of the society to mould them to be competent, committed, research oriented and socially responsible citizens capable of deploying technology for the goodwill of society and studying its performance.

1.5 Important Contact Details

College Office	0481-2507763
College E-mail address	info@rit.ac.in
Principal's Office	0481-2506153
Principal's E-mail address	principal@rit.ac.in
Career Guidance & Placement Cell (CGPC)	9446397919
Centre for Continuing Education	9495496458
TEQIP Office	0481-2505963
Institute website	www.rit.ac.in

2. ACADEMIC PROGRAMMES

The Institute currently offers 6 undergraduate and 6 post graduate programmes. All programmes from 2015 admission batch onwards are affiliated to APJ Abdul Kalam Technological University (KTU). All courses are approved by All India Council for Technical Education (AICTE). The Institute offers the following undergraduate and postgraduate programmes.

2.1 Undergraduate Programmes

Programme	Department/Branch	Intake
B. Tech	Civil Engineering	60*
	Mechanical Engineering	60*
	Electrical & Electronics Engineering	60*
	Electronics & Communication Engineering	60*
	Computer Science & Engineering	60*
B. Arch	Architecture	40

* 5% extra as per fee waiver scheme of AICTE and 10% extra as per lateral entry scheme

The B. Tech programmes are of 8 semester (4 year) duration. The first and second semester courses are common for all branches of all B.Tech programmes. B. Arch programme is of 10 semester (5 year) duration.

2.2 Postgraduate Programmes

Programme	Department	Specialisation	Intake
M. Tech	Civil Engineering	Transportation Engineering	18
	Mechanical Engineering	Industrial Engineering & Management	18
	Electrical & Electronics Engineering	Industrial Drives & Control	18
	Electronics & Communication Engineering	Advanced Communication & Information Systems	18
		Advanced Electronics & Communication	18
	Computer Science & Engineering	Computer Science & Engineering	18
M.C.A.	Computer Applications	Computer Applications	60

The M. Tech programmes are of 4 semester (2 year) duration, and the MCA programme is of 6 semester (3 year) duration.

2.3 Ph.D Programmes

Department	No.of scholars		No. of registered supervisors
	Part time	Regular	
Civil Engineering	KTU -1	KTU- 3 NDF -5	6
Electronics & Communication Engineering	KTU- 7	KTU- 6	5

Electrical & Electronics Engineering	KTU- 4	KTU- 2 NDF -1 QIP - 4	4
Mechanical Engineering	NIL	KTU- 1 NDF-1	5

2.4 Admission

The students for the B. Tech programmes are admitted based on the rank list prepared based on two scores, namely the score obtained in the entrance examination conducted by the Commissioner for Entrance Examinations, Government of Kerala (www.cee-kerala.org) and the marks scored in the qualifying board examination. The annual sanctioned intake is 60, and 3 students are admitted under fee waiver scheme of AICTE. Additional 6 students are admitted in the third semester through lateral entry. B. Arch students are admitted based on two scores, namely the score obtained in NATA and the marks scored in the qualifying board examination. Admission to M. Tech programmes is done through centralized allotment process by the Director of Technical Education, Government of Kerala based on a valid GATE score [www.dtekerala.gov.in]. Admission to MCA is carried out based on a state wide entrance examination conducted by LBS. The application for the exam is invited during May/June every year. Details about the exam can be obtained from www.lbscentre.kerala.gov.in.

2.5 Fee Structure

2.5.1 B.Tech Fee Details

Sl. No.	Category	Amount (Rs.)
1	Admission fee	240
2	Tuition fee	6300 per year
3	Special fee	2110 per year
4	Caution deposit	1000
5	University affiliation fee	1000
6	Exam fee	1700 per semester
7	KTU Arts & sports fee	500
8	Bus fee	2250 per year
9	College development fund	1000
10	Placement cell	1000
11	Co-operative society	30

2.5.2 M.Tech Fee Details

M. Tech First Year Fee Details		
Sl. No.	Category	Amount (Rs.)
1	Admission fee	240
2	Tuition fee	12600
3	Special fee	3690
4	Caution deposit	1500
5	University affiliation fee	1000

6	Exam fee	3000
7	KTU Arts & sports fee	500
8	Bus fee	2250
M. Tech Second Year Fee Details		
1	Tuition fee	12600
2	Special fee	3690
3	Exam fee	2900
4	Bus fee	2250

2.5.3 M.C.A. Fee Details

M.C.A. First Year Fee Details		
Sl. No.	Category	Amount (Rs.)
1	Admission fee	630
2	Tuition fee	7360
3	Special fee	2330
4	Caution deposit	1000
5	University affiliation fee	1000
6	Exam fee	3000
7	KTU Arts & sports fee	500
8	Bus fee	2250
M.C.A. Second Year Fee Details		
1	Tuition fee	7360
2	Special fee	2330
3	Exam fee	3000
4	Bus fee	2250
M.C.A. Third Year Fee Details		
1	Tuition fee	7360
2	Special fee	2330
3	Exam fee	3500
4	Bus fee	2250

2.6 General Discipline

The college functions on 5 days a week with 6 working hours per day. Class timing is from 9 am to 4 pm. Students are expected to be in the classroom 5 minutes before the commencement of the class, and leave only when the class is over. Attendance will be taken on hourly basis. Students are warned against loitering in the campus during working hours. Making noise inside the class and disturbing other classes will be viewed seriously. All students should wear the identity card inside the campus and should produce the same whenever asked for.

2.7 Staff Mentoring System

A staff advisory system has been adopted for mentoring the students. Two staff members will be in charge of one class/group. The group advisor keeps the records of all academic and extracurricular activities of the students. All matters academic and others pertaining to the students should be timely routed through the staff advisor for the attention of the authorities. Applications for leave, scholarships, certificates etc.

are to be forwarded through the advisor. Parents can get details about their ward from the staff advisors, and parents are advised to contact the advisor before meeting the Principal/Head of the Department for any purpose.

2.8 Rules Regarding Duty Leaves and Other Leaves

The following instructions are given in strict adherence with KTU regulations.

DUTY LEAVE

The sanctioning authority is the Head of the Institution for on duty/duty leave/medical leave. Prior permission from the Head of the Department is necessary for sanctioning of on duty/duty leave. Since 75% attendance is mandatory for writing the end semester examination for each course, 65% physical presence in the class is necessary for obtaining permission. This will be strictly observed. A student upon completing the duty has to apply for duty leave to the College office within one week/ five working days, failing of which the application will not be forwarded to the office by the Department. The student has to keep the permission letter, and a copy of the duty certificate along with the duty leave application.

MEDICAL LEAVE

On medical ground the college Principal can relax the minimum attendance requirement to 60%, to write the end semester examination. Medical leave can be sanctioned, if a student is continuously absent for 3 or more days. Upon re-joining, the student has to produce the originals of medical certificate and medical fitness certificate along with the application of medical leave to the College office through the concerned Department for necessary action. This provision is applicable only to any two semesters during the entire program period.

2.9 Uniform

Uniform is compulsory for workshop and some laboratory classes.

- Workshop - Navy blue pants and shirt, shoes
- Machines lab - Pants, shirt, and shoes of any colour

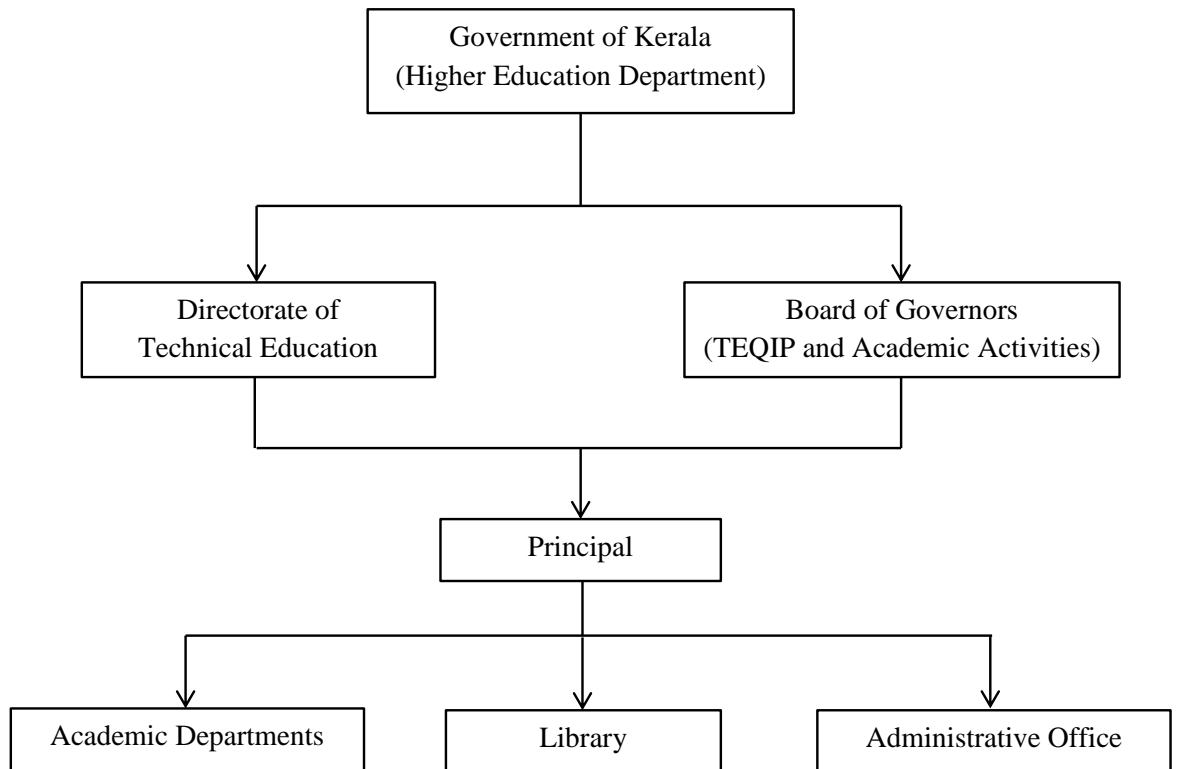
2.10 Warning against ragging and use of mobile phones

Ragging in any form is an uncivilized act and hence is strictly prohibited in the campus, in the hostel room or in the premises. Students are warned against the following consequences of ragging:

1. As ragging is a non-bailable criminal offence under Kerala Police Act, Police can arrest the offender and put him in prison. In such cases, Police can act without the consent of college authorities.
2. College authorities are bound to report ragging incidents (if any) to the local police.

Use of mobile phones is strictly banned in the campus as per Govt. of Kerala circular No. 3011/K3/09/H. Edn. Carrying mobile phones to the examination halls are strictly prohibited and is a punishable crime even if it is switched off. Use of wrist watches in the examination halls are also prohibited.

3. ORGANISATIONAL CHART



4. DEPARTMENTS

4.1 Civil Engineering

The Department of Civil Engineering has been functioning since the inception of Rajiv Gandhi Institute of Technology, Kottayam in the year 1991. The Department offers B. Tech degree programme in Civil Engineering, M. Tech programme in Transportation Engineering and PhD programme under APJ Abdul Kalam Technological University. AICTE has recognized the department as an approved centre for Ph.D programmes under QIP and NDF schemes. The B.Tech programme has been accredited for three years w.e.f. 2019 by National Board of Accreditation. The department has well experienced faculty members specialized across all the major disciplines of civil engineering. The laboratory facilities in the department are being augmented to undertake research work in all the major disciplines of Civil engineering. The department offers engineering consultancy services pertaining to the requirements of government agencies, public sector organizations and private institutions. In addition, majority of faculty members are undertaking sponsored research activities related to the investigations in their fields of specialization.

4.1.1 Vision and Mission of the Department

Vision

To be a centre of high quality academic programmes, consultancy, extension services in Civil engineering.

Mission

To develop and deliver undergraduate, postgraduate and research programmes capable of evolving various sustainable habitat and infrastructural solutions through better pedagogic practices, better facilities and constant knowledge up gradations to staff.

4.1.2 Facilities

All laboratories related to Civil Engineering are housed in the same building. Students are provided training in all disciplines of Civil engineering using modern equipments such as Microprocessor Controlled Universal Testing Machine, Compression Testing Machines, UV Spectrophotometer, Total Stations, Digital Theodolites, Automatic Levels, Ultrasound Concrete Flow Detector, Torsion Testing Machines, GPS, Brookefield Viscometer, Digital Marshall stability equipment, Gyrotory Compactor, ARRB roughometer, Falling Weight Deflectometer, Triaxial testing machine etc. The laboratories include :

- Strength of Material Lab
- Material Testing Lab (Concrete Lab)
- Survey Lab
- Geotechnical Engineering Lab
- Transportation Engineering Lab
- Environmental Engineering Lab
- Pavement Engineering Lab
- Traffic Engineering Lab

The Department has a well-equipped Computer centre with sufficient number of PCs on LAN having latest softwares such as AutoCAD, STAAD Pro, Primavera, MS

Project etc. for drafting, designing, analysis and project planning. Statistical software package SYSTAT is also available. Traffic engineering softwares like VISSIM, VI-SUM, MxRoad and Transyt also available in the department. The Department library has adequate number of books and journals. Online access to ASCE, ASME and IEEE journals are also available in the department on the campus intranet facility.

4.1.3 Activities

The Department offers considerable consultancy services in various fields of Structural Engineering, Transportation Engineering, Geotechnical Engineering and Environmental Engineering. The Department supervises the construction and developmental works in the campus. MoUs of the Department with industries and Government Organizations offer continued consultancy services. Academic supports to weaker students are provided in the form of remedial classes. Visiting faculty programme/seminars are organized in the Department by ISTE RIT chapter and under III Cell. The Civil Engineering Association also organizes technical events. The Centre for Continuing Education is managed by the faculty of Civil Engineering.

4.1.4 Sponsored Projects

An amount of 36 lakhs have been funded by Irrigation Department for the Evaluation of Kuttanad Development Package. TRC has sanctioned 11 lakhs for the study of vehicular emissions under varying road and traffic conditions. There are ongoing projects funded by CERD, TEQIP and KSCSTE. RPS project on vehicle sound signature for traffic characterization funded by AICTE has been completed in the recent past. MoUs for undertaking collaborative research work has been signed with Kerala Highway Research Institute and Space Physics Laboratory VSSC Trivandrum.

4.1.5 Faculty

Name	Designation	Contact No.	E-mail address
Dr A Praveen	Professor	9495047173	praveen@rit.ac.in
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4.1.6 Technical staff

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4.2 Mechanical Engineering

The Department of Mechanical Engineering has recorded a consistent growth over the years since its establishment in 1991 and has all infrastructure and human resources to enable students to achieve professional excellence. The laboratories are well equipped to help students to carry out project works on the latest developments in the field. The department offers B.Tech and M.Tech (Industrial Engineering & Management) programmes. The department was accredited in 2007, 2015 and 2019 by National Board of Accreditation (NBA).

4.2.1 Vision and Mission of the Department

Vision

To satisfy the regional, national and international need for technical excellence in the field of Mechanical Engineering to serve the industry and society.

Mission

To deliver professional competence by:

- Moulding competent mechanical engineers with expertise, endurance and empathy to cater the global need and equip them to pursue higher studies.
- Enable outreach programmes through continuing education.
- Effective industry institute interaction for synergistic co- existence through sustained Research and Development

4.2.2 Facilities

A full-fledged computer centre with over 35 independent workstations and LAN, supporting more than 20 nodes with latest software like CATIA, NISA, ANSYS, AUTOCAD, STARDYNE, MVTA (Multimedia Video Task Analysis software) etc., and facilities like laser printers, scanners etc., are available. The department has independent reference library having more than 1000 volumes and library is managed through a digital library management system developed by M.Tech students. The labs and workshops are equipped with latest software and modern machines like Rapid Prototyping machine and CNC machines. The department has the following well-equipped spacious laboratories:

- Heat Engines Lab
- Heat Transfer Lab
- CAD/CAM Lab
- Fluid Mechanics Lab & Hydraulics Lab
- Measurements Lab
- Industrial Engineering Lab & Software Lab
- Ergonomics Lab

Mechanical Workshop consists of:

- Machine shop
- Welding shop
- Foundry section
- Sheet metal section
- Carpentry section
- Fitting section
- Smithy section

The department has organised an International conference on Energy and Environment (ICEE) jointly with department of Civil Engineering. A short term course on 'Repairing and Maintenance of Two and Three Wheelers' had been organised in the Department under Additional Skill Acquisition Programme (ASAP). This course is introduced for uplifting of financially backward, unemployed youths belonging to all communities. The department has also organised 12 Short Term Training Programmes under Technical Education Quality Improvement Programme (TEQIP). A project done in the department titled 'anthropomorphic robotic hand' has obtained a provisional patent. Professional skill development programmes and sessions by experts from industry are continuously being organized in the department under Industry Institute Interaction Cell (III cell) for making the students industry ready, thereby enhancing the employability of students. A Technology Business incubator (TBI) is also functioning in the department.

4.2.3 Faculty

Name	Designation	Contact No.	E-mail address
Dr. A Ramesh	Professor	9447422303	rameshgec71@gmail.com
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4.3 Electrical and Electronics Engineering

Department of Electrical and Electronics Engineering provides excellent environment for the development of young professionals in the field of Electrical and Electronics Engineering. With ever increasing demand for energy, sustainable ways of electrical energy production and its efficient utilization are of paramount importance. In this context, the academic programmes in Electrical & Electronics Engineering provide ample opportunities for employment in India and abroad. The department has been accredited in 2015 and 2019. The department presently offers a four-year B.Tech. programme in Electrical and Electronics Engineering and an M.Tech. programme in Industrial Drives & Control. The department is an approved research centre and AICTE approved QIP centre for Ph.D programme. The curricula of these programmes have been systematically designed to mould a competent electrical engineer to cater the needs of industry and R & D organisations. The main features of the curricula include outcome based instruction and an emphasis on engineering practise. The syllabus is periodically updated in order to introduce the state-of-the-art technologies in modern heavy duty machines, power system, power electronics, drives and control, renewable energy systems, signal processing, computer and communication engineering.

4.3.1 Vision and Mission of the Department

Vision

To be a centre of technological excellence in Electrical and Electronics Engineering for the betterment of society.

Mission

- To bestow high quality education through excellence in its faculty and facilities.
- To transform young minds into competent and full fledged professionals.
- To nurture ethical values and invoke a passion to serve the society.

4.3.2 Facilities

The department has modernized classrooms and an air-conditioned seminar hall with multimedia facilities. The department library has a stock of over 1600 volumes. International/ National journals and other periodicals are available in the library. On-line access to IEEE, ASME and ASCE journals is made available in the department. The Department has eleven laboratories. The software lab provides central computing facility with simulation software like MATLAB, PSIM, PSS/E, PSCAD. The Advanced

Power Electronics and Drives Laboratory is set up in the department for the PG programme and to support research activities with the aid of National Mission for Power Electronics Technology (NaMPET), Govt. of India. Virtual Instrumentation laboratory is a new research initiative utilizing the LabVIEW software set-up under TEQIP-II.

Laboratories in the departments are the following:

- Electrical Workshop
- Electrical Measurement Lab
- Software Lab
- Electrical Machines Lab I
- Electrical Machines Lab II
- Electronics Circuit Lab
- Digital Electronics Lab
- Control and Simulation Lab
- Microprocessor and Micro controller Lab
- Power Electronics Lab
- Advanced Power Electronics and Drives Lab

4.3.3 Activities

The department has a group of hardworking and dynamic faculty and supporting technical staff. Many of the faculty has obtained doctoral degree from leading institutes of the country like IITs, IISc, NITs etc. The Department is well-equipped to undertake consultancy activities to cater the need of different industries, local self-governing departments. All electrical maintenance and installation activities within the campus is overseen and undertaken by the department. The social responsibility of the department is fulfilled by arranging skill development and awareness program for the general public and school children. The department also arranges training programs for the faculty, staff and students for enhancing the knowledge of latest technologies and developments in the industry

4.3.4 Faculty

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4.3.5 Technical staff

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4.4 Electronics and Communication Engineering

Electronics and Communication Engineering department is housed in an independent spacious three-storied building. The Department offers B.Tech in Electronics and Communication Engineering. Advanced Communication and Information Systems and Advanced Electronics and Communication Engineering are the two PG programmes offered by the department. Department is an approved research centre for Ph.D programme.

The department has been accredited in 2007, 2015 and currently the accreditation is extended to 2022. Full-fledged laboratories to train the undergraduate and postgraduate students from the very basics to modern trends in the field of Electronics and Communication is one of the prominent attribute of the department. The department organizes seminars and workshops to cater the needs of society as well as to enhance their life

skills.

Academic system of the department follows the practices recommended by outcome-based education (OBE) by conducting periodic reviews by class committee, class parent teachers association (PTA), and department advisory board from 2013 onwards. Evaluation of faculty by students are performed twice in a semester. Surveys are conducted among students, parents and alumni to evaluate the attainment of the outcomes of the course.

4.4.1 Vision and Mission of the Department

Vision

Be a centre of excellence in Electronics Engineering education for the benefit of mankind

Mission

To impart knowledge in the field of electronics and its related areas with a focus on developing the required competencies and virtues to meet the requirements of society

4.4.2 Facilities

The department has a software managed technical library with more than 900 titles. The well-equipped laboratories of the department enable students to do their practical and projects successfully within the time schedule of the academic calendar. The laboratory facilities include:

- Circuits Lab
- Digital Lab
- Systems Lab
- Microwave Lab
- Communication Engineering Lab
- Computer Lab
- Centre for Advanced Signal Processing (CASP)
- Advanced Communication System Lab
- Incubation/testing Centre
- Power Electronics Lab/ Workshop
- Telecommunication and Machine Learning Lab (Research Lab)

4.4.3 Activities

The department is vibrant in academic as well as technical fields. The department conducts student's technical festival namely PROMINENCE every year. Students are benefited by this event, as they can exhibit the products designed by them to the public. Thesis presentation contest is another event coordinated in every year for the M.Tech students of the department. Expert talks by faculty from industry and premier institutes are arranged through Industry Institute Interaction (III) cell and Visiting Faculty Scheme (VFS).

4.4.4 Sponsored Projects and Consultancies

Department has received a funding of 50 lakhs under the centre of excellence (CoE) scheme of CERD for setting up advanced digital signal processing research (ADSPR)

lab, later renamed as Centre for Advanced Signal Processing. ADSPR lab has taken up many sponsored projects funded by Government agencies such as Department of Electronics and Information Technology (DeiTy), Kerala State Council for Science Technology Environment (KSCSTE) and so forth. Faculty members of the department are associated with these projects as investigators.

A testing and incubation centre for quality assurance of e-products is functioning in the department which was setup by the financial support of district industries centre (DIC), Kerala. The department has also offered training programmes on computer hardware and maintenance for public with the assistance of additional skill acquisition programme (ASAP) Kerala during 2016 and 2017.

4.4.5 Faculty

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4.4.6 Technical staff

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Sri. Anoop A V	Tradesman	9605802340
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Sri. Vishnu S		8891488548
Sri. Bijumon P T		9526973142

4.5 Computer Science and Engineering

The Department of Computer Science and Engineering at RIT Kottayam was established in 1999. The Department offers B.Tech and M.Tech programmes in Computer Science and Engineering. The department has been accredited by National Board of Accreditation (NBA) in 2007, 2015 and 2019.

4.5.1 Vision and Mission of the Department

Vision

To be a Centre of excellence for nurturing the young minds to become innovative computing professionals for the empowerment of society.

Mission

- To offer a solid foundation in computing and technology for crafting competent professionals.
- To promote innovative and entrepreneurial skills of students by exposing them to the forefront of developments in the field of computing.
- To inculcate strong ethical values in the young minds to work with commitment for the progress of the nation.

4.5.2 Facilities

The Department has software laboratories with local area network of more than 120 modern computers as clients, monitored by multiple high configuration servers. The Department also has a hardware lab with ample computers, microprocessor kits and interfacing devices to train the students in assembling, hardware maintenance, and troubleshooting. Laboratory facilities include:

- Networking Lab
- DBMS Lab
- Operating Systems Lab
- Advanced Computing Lab
- Hardware and Microprocessor Lab

The Department library has sufficient volumes of textbooks and reference books, journals, magazines and provides online access to ACM and IEEE journals.

4.5.3 Activities

The Department has now become full-fledged in new Computer Science & Engineering Block with well-equipped laboratory facilities, well established Department Library, to mould a competent Computer Science engineer to cater the needs of industry and Research and Development. The Department is always keen in maintaining a good academic record with a pass percentage of more than 80% every year. More than

90% of the eligible candidates are placed at various multi-national firms every year. With a vision to impart technical exposure to the students, the Department regularly conducts programs under Industry Institute Interaction Cell, Visiting Faculty Scheme, QEEE and CSE Association. The students have also initiated several Entrepreneurship activities at Technological Business Incubation (TBI) Centre at RIT and Startup Village, Cochin such as Rolling Dice Developers and ProBuk. The Department has also signed a Memorandum of Understanding (MOU) with POORNAM Info Vision, Infopark-Cochin. Currently the Department has 10 regular and 5 ad-hoc faculty members, 11 technical staff members and about 270 undergraduate students and 36 post-graduate students. Faculty members are involved in various researches and consultancy works such as Principal Investigator of CERD projects, DIT project, Member of IISc - York University Project and Reviewers of several National and International Journals. As part of ongoing faculty development, several Short Term Training Programs are also conducted by the Department.

4.5.4 Faculty

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4.6 Computer Applications

Since its inception in the year 2001, the department has been a fertile soil for the budding professionals of Computer Applications. Armed with a bunch of experienced faculty and expert technical staff, it is well prepared to transform the students to meet the requirements of the information technology industry. Currently the department offers the post-graduate programme - Master of Computer Applications, having a duration of 3 years with an intake of 60. Curriculum of the MCA course has been designed with emphasis on theoretical and practical applications of computer technology, for enabling the students to be knowledgeable in various programming languages, computer hardware, database management, data mining, etc. The laboratories of the department are equipped with state-of-the-art computing and networking devices. They form the hardware platform on which different frontiers of Computer Science like Data Structures, DBMS and various programming languages like C, C++, Java, Python, etc. are introduced to the students. The projects (both the mini project and the main project), which are miniature forms of real, industry standard assignments, are also carried out as part of curriculum. As the Government of Kerala has been promoting Free and Open Source Software, the department has fully switched on to the Open Source realm.

Students of the department have already undertaken various software assignments in the College. Some of them are Installing and configuring Koha, the world's most popular Library Management System, in Central library of College, web-based software for selection and allotment of global electives, web-based software for selection of subjects for remedial classes, online attendance monitoring Transfer Certificate, and Course and Conduct Certificate generating System for the college. The entire system is known as RITSOFT. The department has a Technology Business Incubation venture titled OLIU (Our Logic Is Undeniable), owned by the students, which illustrate its commitment to realise the Entrepreneurship Development.

4.6.1 Faculty

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4.7 Architecture

The Department which took birth in 2011 at RIT Kottayam envisages an arena of architecture programme in which its multiple missions are celebrated, and the varied talents of the faculty and students are encouraged in a scholarly climate that stands for excellence in teaching, research, the application of knowledge, and the interpretation of learning.

At present the Department of Architecture functions in the Civil Engineering Block of the college utilizing the drawing hall, classrooms, seminar hall, the computer lab, masonry workshop, the survey lab of Civil Block, separate studio in the general workshop block, carpentry and welding workshop of Mechanical Engineering Department, Electrical workshop of Electrical Engineering Department, general library as well as central computing facility of the college.

4.7.1 Mission

- The mission is to help students prepare for an engaging, inspiring and productive career in order to make them **leaders in the professions of design and planning**.
- The effort builds upon a strong context of professionalism striking highly on the **relationship between intellectual development, technological advancement and creative activity** with a strong emphasis on **community service**.

4.7.2 Curriculum

- The School offers **studio based** curricula encouraging nature studies.

- The curriculum is based on developing new ideas about creating livable habitats in the midst of intense pressures for growth and existence of fragile ecosystems and environmental degradation.
- It explores how the **digital design revolution and sustainable design practices** in Architecture as well as urbanism can coexist.
- **Heritage understanding** and appraisal, interpreting and preserving our cultural heritage in design and planning, including historic buildings, landscapes and intellectual and cultural ideas are weaved effectively into the curriculum.

4.7.3 Faculty

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4.7.4 Technical staff

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4.8 Applied Science and Physical Education

Mathematics, Chemistry, Physics and Physical Education come under the jurisdiction of Department of Collegiate Education. Applied Science is a foundation for engineering and involve application of scientific knowledge. It leads to better insightful understanding of engineering. Engineering is the application of scientific knowledge to create things. Science is hence obviously important, as without knowing science we

can not apply it.

4.8.1 Faculty

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4.8.2 Physical Education

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5. ADMINISTRATION WING

The college administration wing functions in the first floor of the administrative block.

5.1 College Office

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Smt. Jessy Joseph	Senior Superintendent	9447747469
Sri. Santhosh Kumar V	Senior Superintendent	9447138988
Smt. Swapna Sasidharan	Junior Superintendent	8113820440
Smt. N Bindu	Technical Store Keeper	9446079373
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Establishment	establishment@rit.ac.in

5.3 Library staff

Name	Designation	Contact No.	E-mail address
Smt. Bindu G	Scientific Information Officer	9446664956	librarian@rit.ac.in
Mr. Saji K S	Librarian Grade II	9447308778	
Ms. Remya M	Librarian Grade IV	9496428979	
Ms. Athira R	Library Assistant	9562919744	

6. OFFICIAL BODIES IN COLLEGE

6.1 Board of Governors (BoG)

Vide G.O (Ms) No. 207/10/H Edn. dated Thiruvananthapuram, 31-7-2010, Government of Kerala have constituted BoG for the College for performing the following functions:

- Take all policy decisions with regard to smooth, cost effective and timely implementation of the institutional sub project.
- Form, supervise and guide various committees required for project implementation and internal project monitoring.
- Ensure overall faculty development.
- Enable implementation of all academic and nonacademic institutional reforms.
- Ensure proper utilization of project fund and timely submission of Financial Management Reports (FMR) and Utilization Certificates.
- Ensure compliance with the agreed procedures for procurement of goods, works and services and financial management.
- Ensure compliance with other fiduciary requirements under the project such as Equity Assurance Plan (EAP), Environment Management Framework (EMF) and Disclosure Management Framework (DMF), and Monitor progress in the carrying out of all the proposed project activities, resolve bottlenecks, and enable the institution to achieve targets for all key indicators.

6.1.1 Members of Board of Governors

Name of the member	Designation	Role in BoG
Dr. V G Idichandy	Professor (Emeritus), IIT Madras	Chairman
Dr. P Ravikumar	Associate Director, CDAC, Thiruvananthapuram	Member
Er. Shaji M Varghese	Managing Director, KEL	Member
Dr. Sobhana N V	Professor in CSE	Institute Member
Prof. Geetharanjin P R	Professor in ECE	Institute Member
Sri. Jaisukhlal N	Addl. Chief Secretary, Higher Education Dept.	Govt. Nominee
Smt. T Kanchana	Joint Secretary, Finance Dept.	Govt. Nominee
Dr. K P Indiradevi	Director of Technical Education	Member (Ex-officio)
Dr. K Najeeb	Director, SPFU, Kerala	Member (Ex-officio)
Dr. Suresh Babu V	Controller of Examination, APJAKTU	University Nominee
Dr. Ramesh Unnikrishnan	Regional Officer & Director, AICTE-South Western Office	AICTE Nominee
Dr. M J Jalaja	Principal	Member Secretary (Ex-officio)

6.2 College Council

College Council consists of the Principal, Heads of Engineering Departments, Head of Mathematics, Head of Physical Education and Hostel Warden. Some of the general administration work of the college may be distributed among the members of the college council, to be done under the general supervision of the Principal. Functions and responsibilities involve Decision making, supervision of day to day working and progress and development of the Institute. The council is empowered to consider and report on any question concerning rules of discipline. All questions of promotion, course certificate, cases of misconduct on the part of students etc. will be dealt with the Principal in consultation with the members of the council.

6.2.1 Members of College Council

Name	Designation	Contact No.	E-mail address
Dr. M J Jalaja	Principal	9400006409	principal@rit.ac.in
Dr. A Praveen	PG Dean	9495047173	dean.pg@rit.ac.in
Prof. P R Geetharanjin	UG Dean	9446356269	dean.ug@rit.ac.in
Dr. Manju B	HOD (EE)	9037103918	hod.eee@rit.ac.in
Dr. Ciby Thomas	HOD (ME)	9446382576	hod.me@rit.ac.in
Prof. Abdul Raoof A	HOD (CE)	8075752580	hod.ce@rit.ac.in
Dr. Sobhana N V	HOD (CSE)	9496123130	hod.cse@rit.ac.in
Dr. Cibile K K	HOD (ECE)	9447237411	hod.ece@rit.ac.in
Prof. Tomsy Paul	HOD (MCA)	9446917617	hod.mca@rit.ac.in
Dr. Manju G Nair	HOD (Arch)	9884402791	hod.arch@rit.ac.in
Dr. Vinoy George	HOD (Maths)	9497244894	hod.mathematics@rit.ac.in
Dr. A Ramesh	TEQIP Coordinator	9447422303	rameshgec71@gmail.com
Ar. Deepa Rani R	Warden (LH)	9496640532	deeparani.r@gmail.com
Dr. Renu Jose	Warden (MH)	9496328890	renu.jose@rit.ac.in
Dr. George Joseph	HOD (PD)	9447848660	dr.georgejoseph69@ yahoo.com
Smt. Bindu G	Librarian	9446664956	librarian@rit.ac.in

6.3 Parent Teacher Association (PTA)

The Parent Teacher Association has a prominent role in aiding smooth functioning of the college. All parents/guardians of the students on the roles of the college, are members of the association. It is compulsory for a parent/guardian to be a member of the PTA. PTA plays a major role in the day-to-day activities of the institute by providing

- Financial assistance to departments and library
- Financial assistance to economically backward students
- Grant for NSS camps
- Financial assistance to cultural/technical activities
- Assistance to the activities of placement cell
- Emergency loan to hostels, labs, and office

6.3.1 PTA Office Bearers

Name	Position	Contact No.	E-mail address
Dr. M J Jalaja	Principal-cum Patron	9400006409	principal@rit.ac.in
Sri. Sunny P J	President	8547003415	sunnypjacob62@gmail.com
Sri. Mohandas E N	Vice President	9747698707	
Prof. Dinesh C	Secretary	8113920480	dinreturns@gmail.com
Sri. Jayadev Anand	Member	9447772946	jayadev.aak@gmail.com
Sri. Ponnappa M M	Member	9349507703	mmponnappa@gmail.com
Sri. R Unnikrishna Pillai	Member	9495558646	
Sri. C V John	Member	9495505084	
Sri. K R Gopakumar	Member	9446474028	
Sri. Sunil Issac	Member	9037888776	
Dr. Leny Mathew	Member	8606569173 9495469173	
Sri. Johnkutty Jose	Member	9446166799	

6.4 College Union

The college union consists of Chairman, General Secretary, Vice-chairman (woman), Arts Club Secretary, University Union Councilors (2 numbers), Magazine Editor, Association Secretaries, Year Representatives, Lady Representatives and Bus Representative. The term of the union is generally one year from the date on which the union assumes office till the date of the election of the union in the subsequent year. Funds for union activities are collected from students every year. Funds for activities and magazine are raised through sponsorship. A staff member, nominated by Principal, is in charge of College Union activities. It is the responsibility of the College Union to publish college magazine through the elected magazine editor. A staff editor will guide and support the student editor under the monitoring of the Principal.

6.5 Grievance Redressal Cell

The grievance redressal cell is functioning at RIT Kottayam with the objective of hearing the complainants, conducting enquiries and settle the complaints or providing recommendations to the Principal / College council. Earlier, the functioning of the cell was intended to the regular students of the college. As per the GO: K3/195/19 HEdn dated 7/6/2019, on line grievance redressal system has been implemented in the college by purchasing an adequate software. The software has been enabled provisions to log in every student/ parent / staff and to register complaint / grievance related to any matter applicable to the college life / functioning and to upload audio / video or other type of digital evidences. The Principal shall act as the patron and the grievance redressal cell chairman will act as the system administrator. The system will function with the manual complaint redressal facility also. This facility is activated from 10/12/2019 onwards. Students/ parents / faculty shall access the link to this system through RIT Soft, which is already operational.

Dr. Biju Augustine P, Associate Professor, ME Dept. is the chairman of the Cell. The details of the committee members are given in the next section.

6.6 Other Official Bodies

Committees / Cells	Chairperson / Coordinator	Members
Internal Audit Cell	Dr. Manju Manuel EC Dept.	Dr. Dhanya B S, CE Dept.
		Dr. Rajesh R, ME Dept.
		Prof. Umesh A C, EC Dept.
		Prof. Tomsy Paul, MCA Dept.
		Dr. Vincent G, EE Dept.
		Dr. Manju G Nair, Arch. Dept.
		Prof. Anu Bonia Francis, CS Dept.
Disciplinary Action Committee	Dr. Manju B HOD, EE Dept.	Dr. Bindhu B K, CE Dept.
		Prof. Anu Pankaj, Maths Dept.
		Dr. Vinish V Nair, CE Dept.
		Prof. Ramesh Krishnan S, ME Dept.
Student Welfare Committee	Prof. Abdul Raof HOD, CE Dept.	Prof. Jose Martin M J, EC Dept.
		Dr. Vinoy George, Maths Dept.
		Prof. Anu Bonia Francis, CS Dept.
Ethics Committee	Dr. G Venugopal ME Dept.	Dr. George Joseph, Phy. Edn.
		Prof. Unnikrishnan K, CS Dept.
		Prof. Dinesh C, Arch. Dept.
Grievance Redressal Cell	Dr. Biju Augustine P, ME Dept.	Prof. Shiji P V, CE Dept.
		Dr. Vineetha S, CS Dept.
		Prof. Ambily P, Arch. Dept.
		Prof. Aswathy Rajan, MCA Dept.
		Prof. Sujitha Mol S, EC Dept.
Anti-Ragging Committee	Prof. Geetharanjin P R, ECE Dept.	PTA President
		PTA Vice President
		S.I. of Police, Pampady
		Panchayath Ward Member
		All HODs
		Warden(LH)
	Warden(MH)	

7. FACILITIES IN THE COLLEGE

7.1 Central Library

The Central Library, functioning here as the key resource of information for the academic community catering to the needs of students, researchers and staff. It is housed in a star shaped multi-storied building and spreads over to three floors with an area of 822 m². The Library has a collection of 33832 volumes of books in Basic sciences, Engineering and technology, and humanities. Central Library has access to E resources of IEEE Xplore digital library, ASCE, ASME, Science Direct, EBSCO art and architecture. More than 2000 e-books are also available. The library is kept open from 9.30 a.m. to 5 p.m. on all working days. Library is divided into three sections viz.

- Reference and reading area
- Book bank and digital library
- General section and circulation area

Library is fully automated using the library management software KOHA. It is the most advanced open source integrated library management software using today by hundreds of libraries world wide. Bibliographic records of books available in the library can be accessed through Online Public Access Catalogue (OPAC). Web OPAC is available in the public IP address 14.139.188.88. RFID based circulation system is being adopted in the library. Following are the library services.

- Books for loan
- Digital library service
- Internet services
- Reference services
- Reprographic facility

7.2 Central Computing Facility

Apart from sufficient computing facilities in each department, a central computing facility is functioning in the administrative block. It houses sufficient number of terminals on LAN and standalone PCs. Computer centre has a pool of software like Matlab, Staad Pro etc., and it is responsible for maintaining intranet in the campus. Computer centre also facilitates an interactive terminal of EDUSAT.

7.3 Hostels

RIT has three ladies hostels and one mens hostel with an intake of 360 and 110, respectively. Apart from this, RIT runs a separate P.G. hostel for men in the campus with an intake of 20. Procedure for hostel admission is as per the government norms. The students under the supervision of Warden run the mess in hostels. The students and other activities in the hostels are under the supervision of Warden. All residents of college hostels have to strictly obey the following rules:

- The admission to the hostel is for one academic year. Rooms once allotted to the students for an academic year will not be changed except on special situations
- Guests can be permitted only if the permission is obtained. Entertaining unauthorized guest will lead to severe punishment, including expulsion from the hostel.

- Use of personal computer by a resident will be permitted only with prior permission of the Warden. PC should not be used for objectionable purpose.
- The use of electrical appliances such as immersion heaters, electric stove are forbidden. Private cooking is strictly forbidden.
- Students should co-operate in carrying out maintenance works and should vacate rooms when the maintenance work is required.
- The residents shall not move furniture from its allotted place.
- All visitors to the hostel will have to make necessary entries in the visitor's book.
- The residents shall not paste any posters, pictures etc. on the walls, doors, windows, and shelves. The warden shall levy an amount proportional to the damage.

Dr. Renu Jose, Asst. Professor, EC Dept. is the Warden of Men's hostel and Dr. Sunilkumar P. R., Asst. Professor, EE Dept. is the Warden of Ladies hostels.

7.4 College Buses

There are seven buses operating on a regular basis. Two buses operate to Kottayam town, and two buses to Changanacherry (via Karukachal and via Chingavanam), one bus to Ettumanoor (via Kottayam), one bus to Pala and one bus to Kanjirappally. The bus timings are given below.

RIT-Collectorate-Kottayam	
T B	08:10 am
Post Office	08:15 am
Collectorate	08:20 am
Kanjikuzhy	08:25 am
Kalathipady	08:28 am
Vadavathoor	08:30 am
Madhavanpady	08:32 am
Manarcadu	08:37 am
Annadivayal	08:40 am
San Jose	08:42 am
7-th mile	08:45 am
RIT	08:50 am
Canteen	04:10 pm
RIT-Railway station-Kottayam	
T B	08:15 am
Baker Junction	08:20 am
Nagampadom	08:24 am
Railway	08:26 am
Kanjikuzhy	08:30 am
Kalathipady	08:32 am
Manarcadu	08:40 am
RIT	08:50 am
Canteen	04:10 pm
RIT-Karukachal-Changanacherry	
Railway	07:50 am
Pareppally	07:52 am

Kurisumoodu	07:55 am
Valiyakulam	07:57 am
Madukkumoodu	08:00 am
Estate Padi	08:02 am
Thengana	08:07 am
Perumpanachy	08:10 am
Illimoodu	08:12 am
Nadackapadam	08:15 am
Mamoodu	08:17 am
Koothrapally	08:20 am
Karukachal	08:25 am
Manthuruthy	08:35 am
RIT	08:50 am
Canteen	04:10 pm
RIT-Chingavanam-Changanacherry	
Revenue Tower	07:40 am
Post Office	07:50 am
SB College	07:53 am
Madhumoola	07:55 am
Thuruthy	08:03 am
Outpost	08:05 am
Chingavanam	08:07 am
Nellickal	08:10 am
Velluthuruthy	08:12 am
Njaliyakuzhy	08:15 am
Thrikodamangalam	08:17 am
Elamallor	08:20 am
Puthuppally	08:30 am
Kanjirathumoodu	08:35 am
Thalapady	08:40 am
RIT	08:55 am
Canteen	04:10 pm
RIT-Ettumanoor	
Universiy	07:30 am
Ettumanoor	07:45 am
Caritas	07:50 am
Gandhinagar	08:07 am
Sankranti	08:10 am
Kumaranallor	08:12 am
Chavittuvari	08:13 am
Chuttuveli	08:15 am
Nagampadom	08:20 am
Railway	08:23 am
Manarcadu	08:35 am
RIT	08:50 am
Canteen	04:10 pm
RIT-Pala	

Pala	07:55 am
Kottaramattom	08:00 am
Marian	08:05 am
Mutholi	08:07 am
Arunapuram	08:10 am
Cherpunkal	08:12 am
Kummannor	08:13 am
Kidangoor	08:15 am
Manthadi	08:17 am
Chandakavala	08:18 am
Punnathura	08:19 am
Narivelipally	08:21 am
Ayarkunnam	08:23 am
Amayannoor	08:25 am
Oravackal	08:30 am
Malam	08:32 am
Kavumpadi	08:33 am
Manarcadu Palli	08:35 am
Manarcadu	08:40 am
RIT	08:50 am
Canteen	04:10 pm
RIT-Kanjirappally	
Kanjirappally	07:55 am
Thaluk Hospital	08:05 am
Shanti Hospital	08:10 am
Ponkunnam	08:15 am
17-th mile	08:20 am
Kodungoor	08:30 am
15-th mile	08:33 am
14-th mile	08:35 am
12-th mile	08:38 am
Alampally	08:43 am
Pampady	08:45 am
RIT	08:50 am
Canteen	04:10 pm

Prof. Anilkumar K. N., Associate Professor, Mechanical Engg. Dept. is the faculty in charge of college buses.

7.5 Canteens

A canteen is functioning in the college for staff and students. It is located near the three departments and Workshop building. Separate dining spaces for staff and students, ergonomic seating arrangements, clean and hygienic food at affordable prices are noteworthy. A mini-canteen is functioning near to CSE department.

7.6 Cafeteria

A cafeteria is running for the students, staff, and visitors. It is located near the administrative block. PTA constructed the building and the dining space for this purpose.

The working of canteens and cafeteria is being monitored by a Canteen committee. Dr. George Joseph, Physical Education Dept. is the convenor of Canteen committee.

7.7 Auditoriums

A mini-auditorium is available near the workshop building for academic or nonacademic activities of the college. The auditorium has a seating capacity of 500. An open air theatre has also started functioning from 2017 onwards. The OAT has an open stage and two AC bath attached VIP guest rooms. Total plinth area is 250 m² with a stage area of 160 m². The 36 Lakh OAT project is the Silver Jubilee Gift of the RIT Alumni Association.

7.8 Conference and Seminar Halls

Conference hall adjacent to Principal's chamber is equipped with overhead projector, slide projector, LCD projector, amplifiers etc. for conducting conferences and short-term programmes. An air-conditioned seminar hall (Sopanam) in administrative block with a seating capacity of 200, is also used for common programmes of the institute. The hall is equipped with power backup, LCD projector and public addressing system. The hall, maintained by career guidance and placement cell, has been renovated with the support of PTA in 2015. Apart from this facilities, all the departments have individual seminar halls.

7.9 Co-operative Society

Co-operative Society No. K943 is functioning from 1997 onwards in the ground floor of administrative block. A co-operative store under this society is catering to the needs of the students and staff of this institution. The store located in the ground floor of administrative block supplies textbooks, work records, drawing instruments and other stationery articles needed for the students and staff.

7.10 HRD Cell - Counselling and Medical Facility

The counselling cell of our college has been functioning since 2004. Now the counselling unit is functioning under the auspices of HRD Cell. The objective of the counselling unit is to help the students who are facing any curriculum-related or personal problems. Orientation programs and workshops are organised for students, faculty and staff of RIT, at the beginning of every academic year. Service of a professional counsellor is available in the campus, which can be utilized by everyone, including students, faculty and staff. Counsellor visits the campus on every Tuesday, and can be contacted on phone during emergency. Counselling room (CE206) is located near the Dept. library in the Civil Engineering block. For more details, HRD Cell coordinator or faculty representatives of various departments can be contacted. A medical unit is also functioning, where doctors from Taluk Head Quarters Hospital are attending duty on every Friday (1:30 pm to 4:00 pm). Financial assistance to the counselling/medical facility is provided by the PTA of RIT.

Dr. Mini Koshy, Asst. Professor, Civil Engg. Dept. is the faculty in charge of HRD Cell.

7.11 FAB LAB

As part of the initiative by Kerala startup mission and Kerala Technological University, a mini Fab Lab has been established at RIT. A Fabrication Laboratory (Fab Lab) is a technical prototyping platform for innovation and invention which aims at providing stimulus for local entrepreneurship and serves as a platform for learning and innovation. It is a small scale workshop offering digital fabrication which empowers the users to create smart devices for themselves which can be tailored to local or personal needs. The FabLab also becomes a medium for connecting to a global community of learners, educators, technologists, researchers and innovators - essentially becoming a self-sustaining global knowledge sharing network. The FAB LAB programme involves setting up state-of-the-art fabrication laboratories in the state to encourage startups in printed electronics and other such fields. The fab labs being established in the college comprises of the following inventories: Laser Cutter, CNC Mill: Shopbot, 3D printers, Vinyl Plotter, Sand Blaster, Electronic Components and Tools, Molding and Casting, Electronics Test Equipment

7.11.1 Beneficiaries of FABLAB facility

- **Students:** The primary beneficiaries are the students of the institute. Many students have approached to use the FABLAB facilities for various projects. FABLAB has played a key role in enabling a lot of ideas to be worked out into real life innovations. Most of these projects were put for exhibitions and a lot others were established for their purpose. Many of them have won prizes in various competitions as well. The variety of facilities available within the FABLAB, was effectively put into use, by an enthusiastic, experimenting community within the college, at various occasions.
- **Public:** A number of workshops and exhibitions were conducted with the aid of various facilities available within the FABLAB. An exhibition undertaken by Kerala Start up Mission (DISHA) has been conducted and many of the facilities were displayed to the public with elaborate description about their workings. Workshops were conducted as a part of the college techno cultural fest, which has introduced these facilities to a large number of new faces.
- **SAE Participants:** Various products were framed with the help of FABLAB facilities, which were later on used in manufacturing the prototype for many SAE competitions.
- **Startups:** The start-ups working inside the campus are making use of it

Prof. Antony J. K., Asst. Professor, Mechanical Engg. Dept. is the faculty in charge of FABLAB.

7.12 Physical Education and Training

RIT offers all round development of students by giving importance to physical education. The department functions in a three- storied building where the ground floor has a well equipped gym and fitness center with motorized electronic equipments, free weight and multi gym that are being used by students from 6.00 - 8.00 in the morning and 4.30-6.30 in the evening. The first floor consists of Table Tennis hall and the second floor is utilized for Chess and Carrom. Students in their leisure time during college

working hours are permitted to practice these games. The well-built basketball, volleyball and football court are being used after class hours. Physical education is a learning experience that offers a unique opportunity for problem solving, self-expression and socialization. Sports is in fact a way of life for the students conscious of health, fitness and those looking for professional star status. A well implemented, comprehensive Physical Education programme is an essential component for the growth of both mind and body. The Department of Physical Education, RIT includes activities like Basketball, Volleyball, Badminton, Table Tennis, Cricket, Handball, Football, Chess, Throw ball, Athletics etc. The Department of Physical Education is going to modernize the fitness center in the near future separately for both men and women with new fitness equipments. The Department of Physical Education, RIT also organizes Intramural activities, Extramural activities, coaching for various games and training for elite sports competitions.

7.13 Stadium Complex

The stadium complex consists of cricket stadium, football stadium, handball court, volleyball court, basketball court. The facility gives provision for practicing athletics also. The total area of the stadium is 150 m x 100 m.

8. CO-CURRICULAR ACTIVITIES

8.1 Career Guidance and Placement Cell

Career Guidance and Placement Cell (CGPC) is functioning in this college from 1997 onwards. All students of the college are members of the Placement Cell and their registration is done at the time of admission. CGPC maintains very good rapport with top software companies and industries in India. The cell arranges campus selection and placement by various top-ranking companies/industries. Training sessions are conducted for the students to develop their personality, communication skills, leadership qualities, interpersonal relationship, management capacity etc. Special pre-placement training program of about one-week duration is conducted for the final year students, just before the commencement of campus selection process. CGPC encourages and supports students in taking up industrial Training and internships during the semester breaks. CGPC helps the students to widen up their horizons and achieve their dream jobs. The cell also offers guidance and coaching for GATE Examination for the final year students. In addition, information regarding higher education facilities in India and abroad is also made available. Since inception the cell functions very effectively.

8.1.1 Career Guidance and Placement Cell Services

- Conduct campus placement drives
- Coordinate off-campus placement drives
- Conduct training and up-skilling programmes
- Conduct higher studies orientation programmes
- Conduct industry awareness events
- Conduct career awareness sessions
- Conduct test and evaluation sessions
- Hold guidance sessions
- Career information dissemination of opportunities, events and programmes and providing support
- Promotion and campaign activities to increase visibility
- Hold in-house brain storming sessions for operational improvement of the cell
- Coordinate data-collection efforts and create database for Academic data, Aspire data, Recruiter data, Higher Education Institute data, Alumni Data, Parents data and HR data
- Student centered career information support from CGPC database
- Provides platform and enables sessions for linking EDC, IIC, PTA, Alumni and Other student bodies
- Initiate innovative practices and sustain them. Current practices are listed below.

Aspire beta	(knowing 1st and 2nd year students career interest)
Aspire	(knowing career aspiration of students during course)
Employability	(self-assessment of employability by students)
Aspire+	(tracking career progression after graduation)
Career Summit	(meeting the HR)

Alumni Connect	(platform for connecting with Alumni)
Back2Classroom	(Alumni/Faculty interactions with students)
Careers@RIT	(Career mentoring by Alumni, Staff, Parents, HR to our students)
Parent Connect	(Platform connecting Parents with students)
TestMe	(Continuous evaluation of students)
My profile	(Student career profiling)

8.1.2 Placement Statistics

2018-19						
Recruiter	CE	CS	EE	EC	ME	Total Offers
Cerium Systems				2		2
Algomox		5		1		6
TATA ELXSI		3	7	9		19
TCS		11	3	4	2	20
Dexlock		1				1
Qburst		4				4
Investnet		1		1		2
Quest			3	1		4
Suntec		2				2
Agile	1					1
Oracle		2				2
VVDN				2		2
Gadgeon		1				1
Mitsogo		1				1
Digital Core Technologies			1			1
IBS		1				1
Eglobe						
Experion		3	1			4
Qwave						
Pace HiTech						
Nissan Digital		3		2		5
Infosys	3	8	1		4	16
Wipro		2	1			3
Poornam						
Kunnel Constructions						
Amazon		1				1
Cyient						
Tessolve						
AMAZON		1				1
Elitists						
Attinad						
Federal Bank						
CTS		4	1	3	1	9
Tessolve						
Orion Systems						
Reizend						

Mettle						
South India Bank					1	1
Travancore Analytics						
Wisilica						
Litmus7						
Byju's App			2		1	3
C Electric Drives						
UST		2		1		3
Kottackal Business Solutions Pvt. Ltd.						
Total Offers (B. Tech)	4	56	20	26	9	115
MCA Offers						3
M.Tech Offers						17
2017-18						
Recruiter	CE	CS	EE	EC	ME	Total Offers
ADVENSER					3	3
Algomox				1		1
Allianz		2		2		4
CareStack		2				2
CERIUM SYSTEMS			1			1
E & Y					1	1
ENEVESTNET		1	1		1	3
ENFOST					1	1
Experion		4				4
IBS		4				4
IDBI	5	16	13	12	14	60
Microsoft		1				1
Mitsogo						
ORACLE		2				2
QUEST GLOBAL		3		7		10
SunTec		4				4
TATA ELXSI		8				8
TCS		13	9	14	17	53
VVDN				4		4
Weavdin		3				3
Wipro		2		2		4
SIB		2	2		1	5
Asset Homes						
Confident						
Total Offers	5	67	26	42	38	178
2016-17						
Recruiter	CE	CS	EE	EC	ME	Total Offers
Infosys	4	18	12	16	10	60
Wipro		18	5	7	6	36
ENVESTNET		1		3		4
HUAWEI				1		1
IBS				2		2

MRF			1			1
SUNTEC						
ORACLE		3				3
Quest		1		1		2
Bosch					2	2
Good methods Global		3				3
LABGLO		1				1
Attinad Software		1				1
UST		1				1
Enfost					1	1
MRF			1			1
Total Offers	4	47	19	30	19	107

Prof. Riyas K. S., Asst. Professor, EC Dept. is the Placement Officer, and Dr. Abhilash T. Vijayan, Asst. Professor, EE Dept. is the Assistant Placement Officer.

8.1.3 Training programmes

Training programmes are envisaged with great spirits so far and is still in its course on a high note with experienced faculty from reputed institutions, people from industry and consultancy services turning up, to share their knowledge and experience. Students are given soft skill sessions, quantitative aptitude training and company specific training. The main areas are Mathematical Puzzles and Logic, Personality Development, Numerical Aptitude and Interactive English. The diverse knowledge acquired from the sessions is a new learning experience for the students and they acquire profound knowledge on corporate expectations and other arenas thereby improving the employability. Training sessions for pre-final year (3-4 days) and final year (3-4 days) for each student have been conducted by firms Les Mentors, Insight Job Guru, FACE, Pragmatix, Insight Job Guru, The Sapients, Career Launchers etc.

Prof. Shinoj K. Sukumaran, Asst. Professor, EC Dept. is the faculty in charge.

8.2 Industry Institute Interaction Cell

Industry Institute Interaction Cell (IIIC) is established to act as a platform to enhance industry institute interaction. III cell shall explore and identify common avenues of interaction with industry as per the requirements of the institution towards facilitating delivery of engineering solutions to industrial problems and enhancing the competency of the institution. The governance of the cell is through Industry Institute Interaction council chaired by the Principal.

A wide range of activities are conducted under the aegis of IIIC including organising expert lectures, interactive workshops, conferences, seminars, technical discussions, industrial training programmes, orientation courses, industrial visits, industrial exhibitions, research work and a lot more. Both students and faculty of the college are benefited from the various programmes of IIIC. The organisation provides institutional resources for lab testing, calibration, consultancy, R and D etc. Twenty seven industries in total, including Vettoor constructions, KSRTC workshops, HMT Kalamassery, Cochin Shipyard Ltd., TELK Angamaly, BHEL Hyderabad, TCS, Wipro, BEL Bangalore and CDAC Thiruvananthapuram were identified for students training. III cell has a major role in MoU between the college and a number of companies/ institutions,

viz. RUBCO Pampady, Center for Nano science and Nanotechnology in M.G University, Entuple Technologies, Bangalore, OTTOTRACTIONS (Empanelled Accredited Energy Auditor, Bureau of Energy Efficiency, Government of India), Enfost Design, Bangalore, TryCAE Industrial Engineering Pvt Ltd., Trichy, TIDE Technocrats Private Ltd., Bangalore, and Radhe Structorepair Private Ltd,Ahmedabad.

Prof. Antony J K, Asst. Professor, ME Dept. is the faculty in charge of IIC.

8.3 ISTE Chapters

Indian Society for Technical Education is a national level professional organisation working for the improvement of technical education in the country. It attempts to bring in a total quality change in personnel as well as techniques employed in the field of technical education.

ISTE chapter as well as ISTE Students' chapter, both were established in 1997 in RIT. Both are vibrant bodies in the campus organizing a bouquet of programmes. This includes fresher's orientation programmes, mock tests for CAT/GATE, invited talks etc. Also gap areas are identified in the curriculum and various workshops on software training, hardware assembling, programming etc are conducted every year. Last year workshops on Proteus, Arduino, C programming etc. were organized. Also a prestigious national level technical event, 'Bino I Koshy Symposium on Transport Infrastructure for Emerging India' attended by Professors of IITs, NITs and experts from many other institutions like CRRI was organized by ISTE.

Most of RIT students are members of Students' chapter. Activities of ISTE Students' chapter are taken up through two major forums promoted, viz., Astronomical Society of RIT and Mechatronics Club. Each club is headed by a team of students passionate in the respective area.

Prof. Jomy Thomas, Asst. Professor, CE Dept. is the faculty in charge.

8.4 IEEE Student Chapter

The Institute of Electrical & Electronics Engineers (IEEE) is the world's largest professional organization, spanning over 165 countries with more than 4,00,000 professional members. IEEE student branch of RIT is one of the most vibrant student branch in Kerala Section. It was entitled with Best Student Branch Award 2012 among colleges in Kerala. With a current strength of more than 140 members and more eager students wishing to join in from various trades of engineering, IEEE-RIT student branch has carved out a name for itself ever since its inception in 2006, and has a record of exemplary achievements. In its endeavour to create a rich pool of proficient cast, the student branch successfully moulded many professionals. Presently the branch is prospered with two societal chapters, the industrial application society, the computer society and also a woman in engineering affinity group, they too sustain the central theme of our branch and is working relentlessly in harnessing and nurturing the boundless youth potential.

The Student Branch activities are guided by the SB Counsellor along with the student Execom. The student Branch provides a platform for students who wish to excel in technical and managerial fields. The Exposure students get inside the college as well as in colleges across Kerala section then to the whole world are quite beneficial for the growth of emerging minds. IEEE chapter organizes, workshops, industrial visits,

technical quiz 'scientia' and publish newsletter - Techs N' Trends. Apart from these programmes, our members attend programmes in other colleges also, which are arranged by IEEE student branches under the networking programme called LINK. IEEE Student Branch Code: 65421, School Code: 45892341.

Prof. Anu George, Asst. Professor, EC Dept. is the faculty in charge.

8.5 SAE RIT Chapter

The college chapter of SAEINDIA, started in 2011, aims in enriching the knowledge base of the students of RIT, with developments and innovations in the automotive sector (Mobility Engineering). The chapter increases the benefits of SAEINDIA student membership through special activities that include affiliation with the section and providing students with tangible contact with their future profession. The students themselves through the elected officers administer the chapter activities. Officers are counseled by the Faculty Advisors and SAEINDIA Vice-chair of student activities, in the very first year of club activities in the college. The chapter has offered great opportunities and exposure to the students. The students can take part in the factory visits, competitions and workshops organized by SAEINDIA. Also the college has one of the best talent pools that the students can reach great height through the SAEINDIA. RIT was having the highest representation of student members in the competition organized during STUDENT CONVENTION 2011. The students are participating in the famous BAJA contest, which involves challenge projects with design, engineering, planning, manufacturing and marketing tasks.

Prof. Antony J K, Asst. Professor, ME Dept. is the faculty advisor of the chapter.

8.6 Technology Business Incubator

A Technology Business Incubator (TBI) was established as an integral part of the continuing R & D and consultancy services being rendered at RIT. The objectives of the TBI are:

1. To arrange EDP and EMD programmes for the students, professionals and personnel from industry and to arrange specialized training programmes for industry.
2. To act as a Management discussion forum for interaction among participating industries and intellectuals.
3. To arrange web enabled training programs through tie up with institutes of excellence both within and abroad, on the frontier areas of technology.
4. To undertake industry sponsored research.
5. To understand/identify talents from among the students of RIT and to create a human resources bank for the industry to utilize.
6. To provide all necessary assistance to prospective entrepreneurs, to sharpen their technology, assistance during start up, comprehensive quality assessment, etc.

The incubator will offer minimum general services which will be negotiated and agreed upon in the Memorandum of Understanding (MoU) signed such as laboratory space, office space, communication, computing and printing facilities, access to internet, reception, secretarial assistance, meeting and presentation venues, audio visual equipments, access to financial consultants, legal consultants, accountants and other such facilities deemed required. A project undertaken by RENINE Pvt. Ltd. was completed in 2017.

Prof. Antony J. K., Asst. Professor, ME Dept. is the faculty in charge.

8.7 CERD Satellite Centre

The Centre for Engineering Research and Development (CERD) was established by the Government of Kerala in the year 2009 to support the faculty and students of Engineering colleges in Kerala to pursue their interest in fundamental and applied research, develop innovative ideas and assist the faculty to publish and present their technical papers in reputed journals and conferences in India and abroad. Various schemes are implemented by the centre to motivate, mentor and support researchers. The major schemes of CERD include provision of seed money for research to the faculty, student project funding, support for research promotional activities, organizing workshops and seminars and to provide research fellowships to students and incentive for publications in peer reviewed journals. The Centre is presently attached to the APJ Abdul Kalam Technological University and the programmes are modulated to achieve the overall goals of the University. The hub centre of CERD is situated in the Thiruvananthapuram campus of the University. Satellite centres of CERD are functioning in all Government Engineering Colleges of the State.

A committee of Satellite Centre Programme Implementation Units (SCPIU) was constituted in April 2010 for the implementation of various CERD programmes at RIT, with the Principal as the Chairman. On-going programmes under SCPIU are:

1. Centre of Excellence - Advanced Digital Signal Processing Research Lab
2. Research Seed Money to faculty
3. Grand for student project
4. Incentives for Publication in SCI Index journals
5. M. Tech thesis contest

Presently, Dr. Ciby Thomas, Professor, ME Dept. is the faculty in charge of CERD RIT satellite centre.

8.8 Centre for Continuing Education

The sub-centre of CCE is functioning in RIT from March 2000 onwards. The centre conducts various technical courses, and also provides consultancy service to various government/ private organizations to carry out concrete mix design, soil investigation, analysis of water samples, structural, architectural and transportation designs etc. Various testing works and training programmes are also undertaken through CCE.

Dr. Vinish V. Nair, Asst. Professor, CE Dept. is the faculty in charge.

8.9 Innovation and Entrepreneurship Development Centre

Kerala Startup Mission has set up IEDCs in institutions across the State which provide avenues for creative students to transform their innovative ideas into viable products and services. The mission of the IEDC (also called 'Startup Bootcamp RIT') is to "develop institutional mechanism to create an entrepreneurial culture in our institution to foster growth of innovation and entrepreneurship amongst the faculty and students".

The various activities of the IEDC are:

- Organize workshop/debates

- Familiarize the youth to the latest development in business
- Interactive sessions with successful entrepreneurs
- Provide exposure to national and international events in various parts of the country related to industrial developments.

IEDC run completely by students of the college and consist of an Executive Committee. The IEDC Executive Committee consists of Nodal officer, Assistant Nodal officer and seven student members.

Prof. Sidharthan S., Asst. Professor, ME Dept. is the faculty in charge.

8.10 Department Associations

Association secretary is elected from the students along with college union elections. MCA Student Representative elected in College Union Election also act as MCA Student Association Secretary. One staff member from each department is in charge of association activities. Association secretary organizes the programmes under the guidance of staff-in-charge. Funds are collected from students. Additional funds are collected from the sponsors.

Sl. No.	Associations	Faculty Coordinator	Contact No.
1	Civil Engineering	Dr. Ajitha T	7293731212
2	Mechanical Engineering	Prof. Antony J K	9446332031
3	Electrical & Electronics Engineering	Prof. Shanifa Beevi	9447858274
4	Electronics & Communication Engineering	Prof. Upama Rajan M N	9496379199
5	Computer Science & Engineering	Prof. Unnikrishnan K, CS Dept.	9447504973
6	School of Architecture	Ar. Tessy Varkey	9846759020
7	M.C.A.	Prof. Tomsy Paul	9446917617

8.11 RIT Alumni Association

The RIT Alumni Association (Reg.No.127/04) started functioning in 2004. The General Body will meet regularly during the month of December every year. The Association has an elected executive committee of one year term. The executive committee will meet once in three months to review the progress of the decisions taken in General Body. The Association is publishing a quarterly news letter 'VAANI' to explore the College activities and achievements among the alumni. The Association's website link is <http://rit.ac.in/RITAAN>. The Association has given financial support to launch Intranet in the College campus. Issue of scholarships to financially backward students with academic excellence, issue of Best Teacher Award to faculty, participation in charitable activities of the College, giving financial support to conferences and College union, lunch assistance to financially backward students etc. are some of the regular activities of the Association.

The objective of the Association is to maintain the contacts of the alumni with alma mater and provide a forum for bringing together the old students of the college, so that they can contribute effectively to the cause of engineering education and research in

the country. The association provides opportunities for developing entrepreneurship and practical knowhow among the graduating students and also impart vocational and career guidance to them. All passed out students are directed to register and keep a good contact with the association.

Open Air Theatre (OAT) is the Silver Jubilee Gift of the RIT Alumni Association. It was inaugurated by the Hon. Minister of Education Prof. Raveendranath on 20th October 2017.

Dr. Jinesh N., Asst. Professor, ME Dept. is the secretary of the association.

8.12 Arts Club

Arts club secretary is elected from the students. A Staff member is in-charge of Arts club. Cultural activities, competitions etc. are organized within and outside the campus, to develop the inborn talents of students. College union fund is utilized. Additional funds are collected from sponsors.

8.13 Sports Club

Sports secretary is nominated by college union. A Staff member is in charge of sports club. Indoor and outdoor sports items are available. Competitions are conducted in college stadium.

8.14 Staff Welfare Committee

The Engineering college staff welfare committee is formed to improve interactions among the staff of the college. Staff welfare committee coordinates the activities of common interest among the staffs.

8.15 Clubs and Committees at a Glance

Sl. No.	Name of Committees/ Clubs/Chapters	Coordinator(s)	Contact No.
1	ISTE	Prof. Jomy Thomas, CE Dept.	9446064474
2	IEEE	Prof. Anu George, EC Dept	9447266358
3	Mechatronics	Prof. Haseena A, EE Dept.	9746160126
4	Astronomical Society	Prof. Jomy Thomas, CE Dept.	9446064474
5	Nature Club	Dr. Bindhu B K, CE Dept.	9447984350
6	Women's Club		
7	Tinker Hub	Prof. Unnikrishnan K, CS Dept.	9447504973
8	IEDC Boot Camp	Prof. Sidharthan S, ME Dept.	9995988986
9	Prayana		
10	Bodhi Quiz Club	Prof. Anish Abraham, CS Dept.	9447129261
11	SAE	Prof. Antony J K, ME Dept.	9446332631
12	TBI, III Cell		
13	YIP (Young Innovators Programme)	Prof. Antony J K, ME Dept.	9446332631
		Dr. Jinesh N, ME Dept.	9447709636
14	Swatch Bharath Internship	Prof. Shibu Kumar K B, CS Dept.	9446645071
15	Unnath Bharath Abhiyan	Prof. Nandakishore P V R, ME Dept.	7034884655

16	NSS	Prof. Helen Mary M C, EC Dept.	9446219621
17	Film Club	Prof. Haseena A, EE Dept.	9746160126
18	Dance Club	Prof. Jeena Joy, CS Dept.	8281906898
19	Music Club	Prof. Sajumon K T, ME Dept.	9446022797

9. IMPORTANT TELEPHONE NUMBERS

APJ Abdul Kalam Technological University	
Vice Chancellor	0471-2598222
Pro.Vice Chancellor	0471-2785602
Registrar	0471-2598722
Controller of Examinations	0471-2785626
Dean Research	0471-2785626
Dean Academics	0471-2785638
Support	0471-2593120, 2593128 2590029
Office	0471-2598522
General Email	university@ktu.edu.in
Academic matters	academics@ktu.edu.in
Suggestions	letters@ktu.edu.in
Affiliation	affiliation@ktu.edu.in
Examination	exam@ktu.edu.in
Administration	administration@ktu.edu.in
M G University	
Enquiry	0481-2731020, 2733300 2733378
Other Colleges	
College of Engineering, Trivandrum	0471-2515504
Govt. Engg. College Barton Hill Trivandrum	0471-2300485
Govt. Engineering College Thrissur	0487-2334144
Govt. Engineering College Kannur	0497-2780226
Govt. Engineering College Kozhikode	0495-2383220
Govt. Engineering College Palakkad	0492-6260350
Govt. Engineering College Wayanad	0493-5241267
Govt. Engineering College Idukki	0486-2233250
M.A College of Engg. Kothamangalam	0485-2822363
T.K.M College of Engineering Kollam	0474-2712024
N.S.S College of Engineering Palakkad	0491-2555255
Other Offices	
Medical College, Kottayam	0481-2597311
Taluk Hospital, Pampady	0481-2507866
District Hospital, Kottayam	0481-2563612
St.Mary's Hospital, Manarcad	0481-2370177
K.S.R.T.C, Kottayam	0481-2562935, 2562908
Railway Station, Kottayam	0481-2563535
Post Office, Pampady	0481-2505439
Post Office, Velloor	0481-2374439
KSEB Office, Pampady	0481-2505241
Panchayath Office, Pampady	0481-2505323
AG Office, Kottayam	0481-2560407
Sub-Treasury, Pampady	0481-2505495
Police Station, Kottayam West	0481-2567210
Police Station, Kottayam East	0481-2560333
Police Station, Pampady	0481-2505322