

course c

Institution Code TOC

B.Tech in **ELECTRICAL & COMPUTER** ENGINEERING

(FIRST TIME IN KERALA UNDER KTU)



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ở tistcochin.edu.in







INDUSTRY 4.0 – AUTOMATION REVOLUTION

Industry 4.0 represents the fourth industrial revolution and represents a new stage in the organization and control of the industrial value chain. Industry 4.0 refers to the intelligent networking of machines and processes for the industry with the help of information and communication technology. Cyber-physical systems form the basis of Industry 4.0 (e.g., 'smart machines'). They use modern control systems, have embedded software systems and employs an internet address to connect via IoT (the Internet of Things).

Industry 4.0 (Automation Revolution) has created huge demands for industry-ready engineers. A lot of job opportunities in various industrial sectors are vacant due to the lack of highly skilled, industry-ready engineers. To fill up the dearth of skilled industry-ready



engineers, B.Tech in Electrical and Computer Engineering was newly introduced under the Department of Electrical and Electronics Engineering, TIST in the year 2020. TIST is the only college under KTU in Kerala to offer this exclusive undergraduate B.Tech program in Electrical & Computer Engineering.

WHAT IS ELECTRICAL & COMPUTER ENGINEERING?

The present industrial scenario requires industry-ready engineers with multiple skillsets. In the era of smartindustrialization, the knowledge of all the latest technologies including Artificial intelligence, Data Science, Machine Learning, IoT, Deep Learning, Data Mining, and Data Analytics have extremely great demands especially

in the drastically automating electrical engineering fields.

Electrical and Computer Engineers are the key players in countless industries including the process automation, electric vehicle, robotics, biomedical healthcare, and renewable energy sectors.

At TIST, the B.Tech programme of Electrical and Computer engineering offers real-world exposure to enable students to excel in future careers offering a plethora of opportunities for growth and professional development.



ABOUT THE COURSE

B. Tech in Electrical & Computer Engineeringis a 4-year undergraduate programme approved by AICTE, New Delhi and affiliated to APJ Abdul Kalam Technological University (KTU). The new programme exquisitely blends the latest technological developments in Computer Engineering to the various applications of Electrical Engineering. It is designed to enhance the technical skills of students in the vast arenas of Electrical, Computer and Electronics engineering, and to mould industry-ready engineers.



B.Tech Electrical and Computer Engineering is a novel branch that incorporates the trending technologicallyrelevant industry-oriented subjects like Artificial intelligence, Data Science, Machine Learning, IoT, Block Chain, Cloud Computing, and Data Analytics in its curriculum itself.

The curriculum has been designed in consultation with the Department of Computer Science and Engineering (NBA accredited) of TIST taking into account the requirements from industries and from reputed universities.

Electrical & Computer Engineering students will be able to do innovative and multidisciplinary projects in the new frontiers of robotics, Artificial intelligence, Internet of Things, cyber security, wearable electronics, machine learning, and renewable energy technologies.

WHY B.TECH IN ELECTRICAL & COMPUTER ENGINEERING IN TIST?

With today's evolving technology landscape, the world is at the forefront of many social challenges that can only be met through multidisciplinary teamwork. To prepare the students to address these modern challenges, the latest developments in computer science arena are incorporated into the traditional electrical engineering discipline. This will help both the students and the industry to equip them with both the adequate technical skills and the required knowledge for facing these social challenges.

The new B.Tech Electrical & Computer Engineering programme at TIST is endorsed by Halliburton Far East PTE LTD., Singapore. Halliburton Company is an American multinational corporation. One of the world's largest oil field service companies, having the Energy Services Group (ESG) as its major business segment.



HALLIBURTON

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November 18, 2019

The Principal, Toc H Institute of Science and Technology, Kochi, India - 682313

Dear Sir/Madam,

Halliburton, which was founded in 1919, is one of the world's largest providers of products and services to the energy industry. Halliburton offers the world's broadest array of products, services and integrated solutions for oil and gas exploration, development and production. We have over 60,000 employees, representing 140 nationalities in more than 80 countries. We help our customers maximize value throughout the lifecycle of the reservoir – from locating hydrocarbons and managing geological data, to drilling and formation evaluation, well construction and completion, and optimizing production throughout the life of the asset. Halliburton comprises 14 product service lines.

I have been with Halliburton for five years and, now, working as a Principal R&D electrical engineer at our R&D center in Singapore. I have a masters and PhD degree from Nanyang Technological University, Singapore. I have over 13 years' experience in various industries. In Halliburton, we consistently recruit engineers from different backgrounds. We attract and retain the best talent by investing in our employees and empowering them to develop themselves and their careers. Halliburton has over 20 training facilities around the world to deliver technical, operational and leadership training for all employees. We offer numerous structured development programs, including fast-track career development programs.

Nowadays, considering the diverse range of products and requirements, industries prefer Electrical/Electronics engineers who possess multiple skill sets. In this era of information technology it is desired that engineers have sufficient IT knowledge and programming skills. Moreover, nowadays, data analytics, machine learning, etc. are extensively used in different areas such as data analysis and process automation. In our R&D center we focus more on 'generic' engineers who can work with our technical experts to cater for our different technical needs.

It is glad to know that TocH is contemplating on starting a new BTech course in Electrical and Computer Engineering, incorporating the latest development in information technology into the conventional electrical engineering discipline. As computing technology and data science are ramping up, such courses will definitely help both the students as well as industry to equip them with adequate knowledge and technical skills required to address the new challenges in the modern industry. The linking of computer technology with conventional electrical engineering topics for framing the curriculum for a BTech course in Electrical and Computer engineering is a wise initiative and a highly appreciable move.

Rashobh R. S, PhD Pr. R&D Electrical Engineer, PH: +65 63097056

HALLIBURTON FAR EAST PTE LTD COMPANY REG NO.: 199001491D





This program rightly addresses the emerging trend in industry and research in which various aspects of Computer Science are finding increasing use in Electrical Engg.. A degree in Electrical & Computer Engineering empowers students to work at the frontier of the latest technologies including Data Science, Artificial Intelligence, Machine Learning, IoT, Robotic Process Automation, Deep Learning etc. makes onewell equipped to face the automation challenges in the industry and enables them to enhance their career to other fields.



Industrial Relevance

Considering the diverse range of job requirements in the field of Electrical Engineering, an Electrical Engineer needs to acquire additional skills in the areas including process control and automation, machine learning, deep learning etc



The key features of this program include skill development, job readiness, professional certification and the use of the latest software tools for analysis. This program enables the students to choose appropriate domains to apply Electrical and Computer Engineering principles to emerging areas like Artificial Intelligence, process control & automation, advanced computer application, electric vehicle design, and power & energy systems.



The knowledge of Electrical and Computer Engineering will give the job seekers an edge over other competitors. By selecting this branch, students are assured of employment opportunities in a wide diaspora of industries readily waiting to recruit Industry 4.0-ready engineers. More than a graduation degree, the course develops them as a professional and supports their career aspirations in the electrical and IT fields.

Excellent Faculty

Classes for this programme are handled by an eminent, qualified, and dedicated team of faculty members both from Department of Computer Science Engineering (CSE) and Department of Electrical & Electronics Engineering (EEE) who continuously strive to bring in excellent results, improve teaching and learning methods, and undertake research.

Electrical & Computer Engineering students are closely monitored and guided under the mentorship of three PhD qualified faculty members (CSE Department) and 22 faculty members (CSE Department-12, EEE Department-7) pursuing PhD programme under different reputed universities in India.

The research interests of the faculty include Deep Learning & Block Chain, Computational Intelligent Algorithms, Encryption techniques, Mobile Learning Applications (CSE), Renewable Energy, Electric Vehicles, Smart Grid (EEE).

STATE OF THE ART LABORATORY INFRASTRUCTURE

This program utilizes the laboratory facilities available in the EEE department (established in the year 2004) and the CSE department (established in the year 2002).

Programming Lab



The programming lab is well equipped with Core i5 Machines, installed with a variety of software catering to the needs of the students and covering the curriculum specified by the affiliated Kerala Technological University.

A sufficient number of computers is available in the laboratories with 49 MBPS internet facility. Laboratories are kept open beyond office hours as per the need.

Telepresence Lab



Telepresence Lab was set up to

✓ Create a State-of-the-art Technology-enabled Learning platform that would enable remote delivery of high-quality skills and programs from the industry.

 \varkappa Deploy learning platform connecting 150 Hi-Techclassrooms in the Engineering colleges in the state.

✓ Implementation of an effective eLearning solution with collaboration features to use in a distributed environment.

✓ Deliver formal skill delivery programs through Minordegrees, certification programs, expert lectures, etc. to enhance the learning opportunities and employability of students.

loT Lab



It's a meetup space for IoT enthusiasts. The students meet up to discuss IoT-related topics, projects. The students have the provision of borrowing embedded kits for project purposes. The lab is equipped with:

- ✓ 10 Raspberry pi kits
- 💉 5 Arduino kits, NODEMCU
- ✓ 6 Axis Gyro Module MPU 6050
- ✗ GPS NEO 7M Module
- ✗ NODEMCU ESP8266 Wifi ESP-12E LUA Ch340.

Machine Learning Lab



MODROB funded machine learning lab under the CSE department is specially designed for research in machine learning encompassing unsupervised, supervised, and reinforcement learning. The objective of this laboratory is to identify the innovative research directions in artificial intelligence and machine learning and to understand the current industrial requirements interms of technical projects.

Project Lab (Computer Science)



✓ Project Lab is utilized for Major and Design projects of B.Tech students. The students also utilize facilities at Machine Learning Lab and IOT lab for project purposes in addition to this lab.

✓ The students take up major projects in emerging technologies like Artificial Intelligence, IoT, Blockchain, Cyber Security, Web and Mobile based applications having applications in domains like Natural Language Processing, Computer Vision, Smart Cities, Intelligent Transportation, Smart Agriculture, Waste Management, Assistive technology for specially-abled, Smart Health, etc.

Circuits & Measurements Lab



This lab provides the platform for understanding practical implications of the fundamental laws of electric circuits, Calibration &testing of measuring instruments and accurate measurement of various electrical parameters of any circuit. It includes:

- ✗ Single Phase and three-phase energy meter.
- ✗ Wheatstone's Bridge

 \varkappa Power factor meter, Frequency meter, and TOD meter.

- ✗ Phase-shifting transformer.
- ✗ Three-phase inductive load.

Power Systems Lab



This lab provides facility to simulate various power system operations and testing procedures of various power system components. It includes:

- ✓ Insulation Tester for HT and LT Cable.
- ✓ Power Factor Improvement Trainer Kit.
- ✓ Earth Resistance Tester
- ✓ Numerical over current relay tester.

Digital & Microprocessor Lab



Experiments on electronic circuits and digital circuits are done in this lab. Experiments done in this lab are:

- ✓ Experiments using ICs 7483,7402,7400 etc.
- ✓ Programming using 8085, 8086 and 8051 trainer kits.

 $\boldsymbol{\varkappa}$ Interfacing experiments using ADC and stepper motor.

✓ Interfacing using 8279 and 8255.

Simulation Lab



This lab consists of 24 desktop systems. Simulations using MATLAB, Mipower, and PSPICE software are carried out in this lab

CAREER PROSPECTS

ELECTRIC VEHICLES



ROBOTICS AND AUTOMATION INDUSTRY



ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING INDUSTRY



AEROSPACE MILITARY APPLICATIONS INDUSTRY



RENEWABLE ENERGY SECTOR



IT SECTOR



POWER AND ENERGY SECTOR



SMART-GRID APPLICATIONS

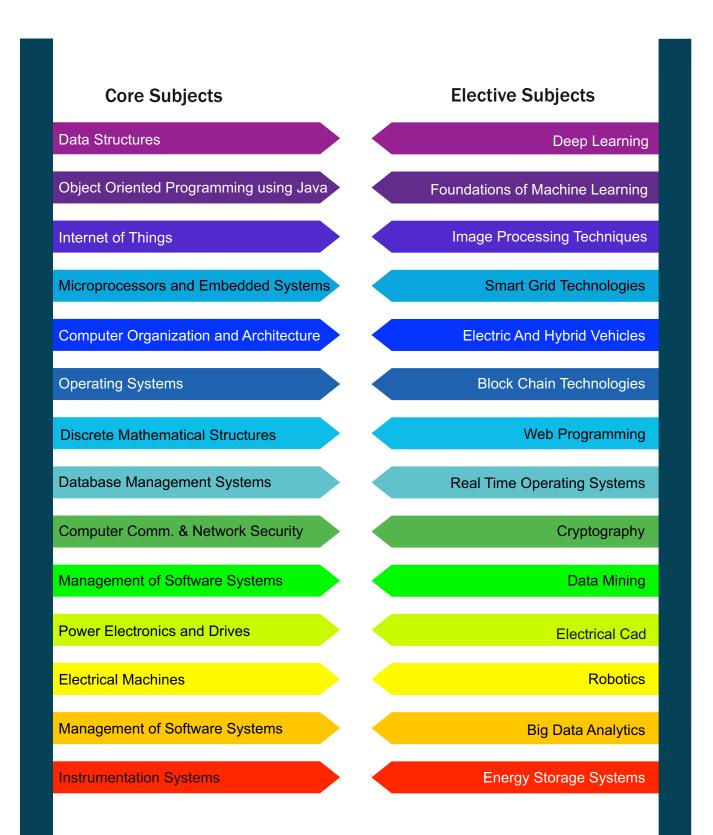


TELECOMMUNICATION

TELECOM PROJECT MANAGER

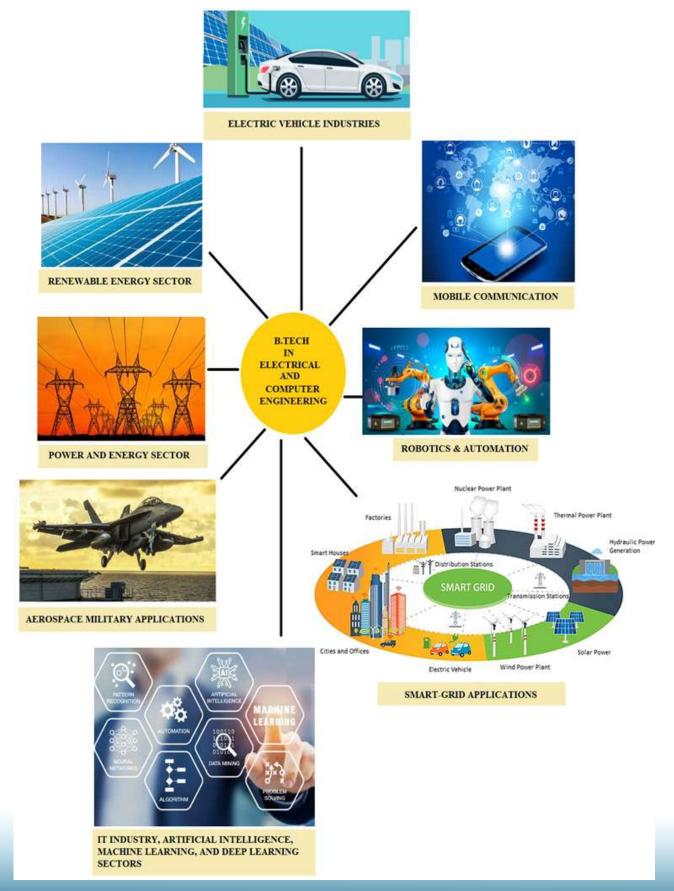


SUBJECTS INCLUDED IN THE KTU CURRICULUM FROM SEMESTER I TO VIII



JOB PROSPECTS OF B.TECH IN ELECTRICAL & COMPUTER ENGINEERING

Aspirants pursuing B.Tech Electrical and Computer Engineering have a lot of scope in diverse industries. A new graduate in electrical and computer engineering will face a bright and challenging future, with positions to be found in research, design and development, manufacturing, marketing, management and other areas. The various job prospects include:



Industry-Academia Interaction Initiatives

A talk on 'Industrial Relevance of Electrical and Computer Engineering" was conducted on 5th December 2020 by Dr. Rashobh R S., Principal Engineer, Sperry Technology, Haliburton, Singapore, exclusively for Electrical and Computer Engineering students via the GMeet platform.



Industry-Institute Interaction with Robert

Bosch Engineering & Business Solutions (RBEI)

The Programme Educational Objectives (PEO) and the Programme Specific Objectives (PSO) of the B.Tech Electrical & Computer Engineering Robert Bosch Engineering & Business Solutions, were designed in collaboration with Mr. Pradeep Kumar Keloth, (Department Head, Electric & Hybrid Vehicles)and Mr. Prasanth Pathiyil (System Expert-Electric Vehicle) of Robert Bosch Engineering & Business Solutions, and Dr. C. A. Babu (Adjunct Faculty, Division of Electrical Engineering, CUSAT) during the third Academic Advisory Committee Virtual Meeting held on 15th December, 2020.





POTENTIAL RECRUITERS

There are plenty of B.Tech Electrical and Computer Engineering jobs available for graduates in process control and automation industries, aerospace and defense sectors, electric vehicle manufacturing industries, software & IT sectors, renewable energy industries, power and energy sector, telecommunication industries etc.

Aspirants pursuing B.Tech Electrical and Computer engineering have numerous opportunities in private, public and government sector industries involved in the design, manufacture, operation, testing and maintenance of .



and more ...

WHAT ARE THE B.TECH ELECTRICAL AND COMPUTER ENGINEERING JOB PROFILES?

There is a global requirement for skilled electrical and computer engineers in today's arena. With recent technological advancements, the scope for B. Tech Electrical and Computer engineers is on the acceleration. The job market for these graduates is on-demand and industries are looking for qualified electrical and computer engineers who can assist them with the most advanced technologies. Some of the job profiles that Electrical and Computer engineers can opt for are:

JOB PROFILE

Automation Engineer



Software Programmer



- ☑ Design automated tests to validate the functionality of web and mobile applications.
- ☑ Create the initial test designs, write the scripts, install the automation testing protocols, and report the results.
- ☑ Develops information systems by designing, developing, and installing software solutions.
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.

Information Security Analyst (Cyber Security)



- Install & configure security-related softwares (firewall, encryption).
- ☑ Design and run penetration testing (simulation of attacks)

Systems Engineer



☑ Conceptualize a system architecture, develop or customize systems, implement standard operating procedures, test and improve the systems.

JOB DESCRIPTION

Hardware Design Engineer



Control System Engineers



Test Engineer



☑ Working with technical teams, experts supervise the processes of manufacturing, testing and validation, attempting to catch all performance or safety issues before a product's release.

- Designing and analyzing control systems, verifying and implementing code, fixing malfunctions, explaining, and providing information.
- ☑ Model and supervise the installation of automatic control systems for various applications
- ☑ Implementing electrical power distribution systems, programmable logic controllers and instrumentation.
- ☑ Identifying and conducting processes to determine whether a product meets all relevant specifications.
- Checking the systems in electronic products and reporting their findings.

Design Engineer



Project Engineer



- ☑ Developing new electrical systems or finding ways to improve existing ones.
- ☑ Use computer-assisted drafting and simulation programs, produce documentation for their projects and offer input on manufacturing processe.
- ☑ Serves as the connection between a project manager and the technical teams.
- ✓ Strategically planning resource management, budgeting and scheduling for completing the tasks before deadlines without compromising quality.

TESTIMONIALS

"Outstanding faculty, state-of-the-art research, well-equipped laboratories and a variety of industry-demanding course offerings are the key elements that categorize the Electrical & Computer Engineering programme in TIST as one the best-in-class schools in the region. The department maintains a productive relationship with the industry which makes the department well-recognized within the industry. This relationship directly benefits the students by providing them with exclusive access to leading companies, and will assist the alumni to kick off a successful career."



Geethu M.T. Associate Project Engineer Hitachi-ABB India Pvt. Ltd. Chennai



Siddharth S. Key Account Manager Element 14 Pvt. Ltd.

"The graduate program lives up to its reputation: personable and invested professors, a big library, research focus, large variety of courses, curriculum that emphasizes industry trends, ample career opportunities, and more. Course curriculum and course labs are designed based on experiential learning and expose the latest knowledge in the respective field. TIST professors always emphasize on critical reasoning, design of experiment, research and problem-solving attitude, which helps students a lot in their respective careers."

"There is a dearth of electrical engineers with the skill sets like machine learning, artificial intelligence, deep learning, IoT which are required in the current industrial scenario. The programme - B.Tech Electrical and Computer engineering newly introduced in TIST, under KTU is an excellent branch that moulds industry-ready engineers with the required skill sets as per the industrial demands."



Mr. Suresh Kumar Manager-Electrical FACT, Udyogamandal



Mr. Paulose K V Retired Asst. Exec. Engineer KSEB

"I am extremely happy to hear that a new branch B.Tech Electrical and Computer engineering has been newly introduced in TIST, under KTU. The Electrical and Computer engineering branch is truly the need of the hour. The curriculum is well-knit with applications of the recent industrial trends like Machine Learning, Cloud Computing, Big Data, Data Analytics, Cryptography, Block Chain to the different electrical engineering sectors. This programme will surely enhance job opportunities to the students in the fields of Computer Science, IT, Electronics and Electrical Engineering."

EXISTING JOB VACANCIES FOR B.TECH ELECTRICAL & COMPUTER ENGINEERING GRADUATES

CAREER GURU

≡ SECTIONS

വ്വോമസേനയിൽ 242 ഓഫിസർ



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വ്യോമസേന്നയിൽ ഗ്രൂപ്പ് എ ഗസറ്റഡ് ഓഫിസർ തസ്തികയിൽ 242 ഒഴിയുകളുണ്ട്. ഐസ്ലിൽ ഗ്രാായിലെ ഫോർട്ട് സർവീസ് കയിഷൻ കോഴ്സിംബങ്ടെ, ഗ്രൗങ്ങ് ഡ്യൂട്ടി ബ്രായ്പിലെശ്രേഷ്തിക്കൽ ആൻഡ് നോൺ ടെക്സിക്കൽ) പെർമനന്റ് കയിഷൻശേഷാർട്ട് സർവീസ് കയിഷൻ കോഴ്സിംബോട്ടാണ് അവസംം. എഎഫ്സിഎ68(02/2019) മുലെന്താണു യിാങ്കൊടുപ്പ്

ഇതിനു പുറമേ എൻസിസി സ്പെഷൽ എൻ,ടി ഹെറ്റയില് ബ്രാമ്പിലേക്കും (പെർമന്റെ കയിഷനിംഷാട്ട്ട് സർവീസ് കയിഷൻ), മിട്ടിനിനോളജി ബ്രാമ്പിലെക്കും അപേക്ഷ ക്ഷണിപ്പിട്ടുണ്ട് സ്ത്രീകൾക്കും അപേക്ഷിക്കാം. 2020 ജൂലൈസിൽ കേഴ്സുകൾ ആംഭിക്കും, 25 വൗസിൽ താഴെയുള്ള അപേക്ഷകർ അവിവാഹീത്രായിരിക്കണം. ജൂൺ 30 പരെ ഓൺലൈനായി അപേക്ഷിക്കാം



ഹ്രൈനില് ബ്രാബി

യ ച്യെയ: പ്ലസ്ട്ര തലത്തിൽ ഫീസിക്സ്, മാതാമാറ്റിക്സിന് കുറഞ്ഞത് 60% മാർക് നേടിയിടിക്കണം. കുറഞ്ഞത് 60% മാർക്കോടെ എത്തെല്ലും വിഷയത്തിൽ ബിര്യാംഗത്തുവ്വെ, അമല്ലെങ്കിൽ കുറഞ്ഞത് 60% മാർക്കോടെ താരു നടർഷത്തെ ബിത്രസിക്കെ ബിര്യാം അമല്ലെങ്ക് ഇൻസ്റ്റിറ്റ്റുംഷൻ ഓഫ് എൻജിനീയേഴ്സ്(ഇത്യ) നടത്തുന്ന അസോംഷ്യറ്റ് മൊഷാർഷിപ്പ് പരീക്ഷയുടെ എയ്റോനോട്ടിക്കൽ സോമസെറ്റി ഓഫ് ഇന്ത്യ നടത്തുന്ന പരീക്ഷയുടെ എയും ബിയും സെക്ഷനുകളിൽ ജയം (കുറഞ്ഞത്, 60% മാർക്ക് coam).

ູບາງຫຍັ ແບຼງຈຼີງ (ອຣລັກໄອດາວິ) (ສູນວສມັ) ຈູງພັດກວດກາງງ່ອຍໜີ ຈຸງເປັນໃຫໃຫຍ່ດ<u>(ຫ</u>ຍະເລັດຽວຫນີລັກບັ) AE(L)

മോഗ്യത: പ്ലസ്ട്ര തലങ്ങിൽ ഫിസിക്സ്, മാതാമാറ്റിക്സിന് കുറഞ്ഞത് 60% മാര്ക്ക് നേടിയിരിക്കണം, നാല്യ വർഷ ബിരുദംഇന്റഗ്രേറ്റഡ് പിജിപ്പൂൻജിന്നാവിയിടെക്കോളജി അപ്ലേത്ത് ഇൻസ്റ്റിറ്റ്യൂഷൻ ഓഫ് എൻജിനിയേഴ്സ്(ഇന്ത്യ) നടത്തുന്ന അസോറേഷ്യറ്റ് മെക്ഷര്ഷിപ്പ് പരിക്ഷയുടെ എൻജിനെയട്ടിക്കൽ സോക്കസറ്റി ഓഫ് ഇന്ത്യ നടത്തുന്ന പരിക്ഷയുടെ എയും ബിയും സെക്ഷനുകളിൽ ജയം അല്ലെങ്കിൽ ഇൻസ്റ്റിറ്റ്യൂഷൻ ഓഫ് ഇലക്ക്കുടെണിക്സ് ആൻഡ് ടെലിക്കുട്ടുണ്ട്ക്ഷെൻ എൻജിനിയേഴ്സിന്റെ ഗ്രാജാന്റെ മെംബർഷിപ്പ് പരിക്കുട്ടത് തെയുള്ളിൽ തന്ത്യെം യോഗുരപ്പേറഞ്ഞത്. 60% മാർക്ക് വേണം.)

ໝາພວງງຽ ຫຼາວໝາງລະບໍ ຈາງກອຣ.

(saa) Communication Engineering

(aab) Computer Engineering/Technology

(asc) Computer Engineering & Application

(aad) Computer Science and Erigineering/Technology

(aae) Electrical and Computer Engineering

6th June 2019, Malayala Manorama



INDIAN ARMY www.joinindianarmy.nic.in 57TH SHORT SERVICE COMMISSION (TECH) MEN (OCT 2021) AND

57TH SHORT SERVICE COMMISSION (TECH) MEN (OCT 2021) AND 28TH SHORT SERVICE COMMISION (TECH) WOMEN COURSE (OCT 2021) INCLUDING WIDOWS OF DEFENCE PERSONNEL FOR TECH AND NON TECH (NON-UPSC)



3. <u>Vacancies</u>. Candidates must note that only the Engineering streams and their acceptable equivalent streams, strictly as notified in the table below, will be accepted. Candidates with degrees in any other engineering stream(s) are not eligible to apply. Any variation between the nomenclature of Engineering stream as given on the degree parchment / marksheet and that submitted by the candidate in his online application will result in cancellation of candidature.

(a) For SSC(Tech)-57 Men.

Electrical/ Electrical &	(i) Electrical Engineering	08
Electronics	(ii) Electrical Engineering (Electronics & Power)	
	(iii) Power System Engineering	
	(iv) Electrical & Electronics Engineering	
	(v) Electrical & Electronics (Power System)	
	(vi) Electrical and Mechanical Engineering	
	(vii) Electrical and Power Engineering	
	(viii) Electrical Instrumentation Engineering	
	(ix) Electrical Instrumentation & Control	
	Engineering	
	(x) Electrical, Electronics and Power	
	(xi) Electrical and Computer Engineering	1



Computers & Electrical Engineering

An International Journal

The impact of **computers** has nowhere been more revolutionary than in **electrical engineering**. The design, analysis, and operation of electrical and electronic systems are now dominated by computers, a transformation that has been motivated by the natural ease of interface between computers and electrical systems, and the promise of spectacular improvements in speed and efficiency.



Electrical and Electronics (E&E) firms particularly face convergence of OT and IT. As software decouples from hardware, new IT competitors enter industrial and consumer electronic markets to make devices smart.

Digitalization and IoT drive the E&E industry transformation in the areas of:

Edge computing: combining both local and cloud computing for app installation & deployment on-demand

Secure connectivity: connecting smart devices to networks using secure communication protocols



40 Telangana sub-stations attacked by Chinese malware

Telangana SLDC, which manages power supply in the state, says state agencies have removed all malware in these substations after alert from central agency. They have strengthened firewall as well

BusinessToday.In | March 3, 2021 | Updated 10:34 IST

HOW TO APPLY?

You can either simply fill in the contact form available in the link provided below https://toch.linways.com/v4/adm-applicant/login and our representatives will get back to you for further proceedings. You can also contact us directly at +91 9995043464/ +91 9895567656 or

Email us at admission@tistcochin.edu.in

FEE STRUCTURE

The standard fee structure will be explained to you by the college representative during the call. We also offer different scholarship options that you can explore and get benefited from. You can call at +91 9995043464/ +91 9895567656 for your personalized fee structure.

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ടോക് എച്ച്-ൽ പുതിയ കോഴ്സുകൾക്ക് അനുമതി

കൊച്ചി ▶ ആരക്കുന്നം ടോക് എച്ച് ഇൻ സ്റ്റിറ്റ്യൂട്ട് ഓഫ് സയൻസ് ആൻഡ് ടെക്നോ ളജിയിൽ പുതിയ ബി.ടെക്, എം.ടെക് കോ ഴ്സുകഠം നടത്താൻ ഓഠം ഇന്ത്യ കൗൺ സിൽ ഫോർ ടെക്നിക്കൽ എജ്യൂക്കേഷ നും കേരള സാങ്കേതിക സർവകലാശാല യും അനുമതി നൽകി.

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