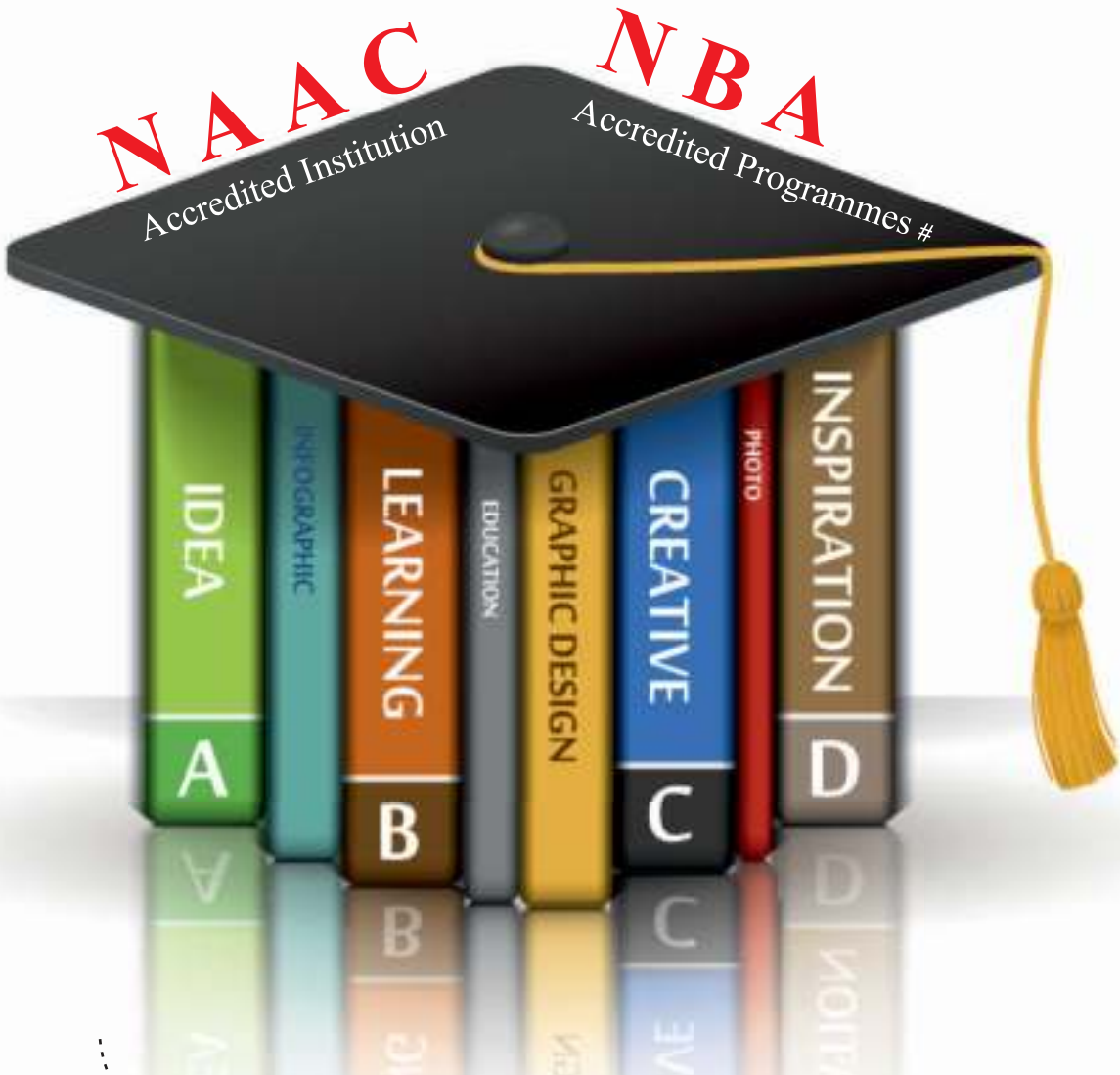
Federal Institute of Science And Technology (FISAT)®



Premium Education

Focus on Excellence

Social Commitment

B.Tech. ■ M.Tech. ■ MCA ■ MBA ■ Ph.D

INSTITUTION CODE FIT

#5 B.TECH PROGRAMMES ARE ACCREDITED BY NBA

ACCREDITED INSTITUTION

NAAC Accredited Institution A Grade

9001 : 2015 CERTIFIED INSTITUTION

Vision

To become a world class professional institute with focus on excellence, moulding committed global professionals and technocrats who can meet the demands of business, industry and research.

Mission

To transform into an advanced centre of technical education, which will, in turn, bring out professionals with superior skills and social commitment.

To provide state-of-the-art facilities to mould brilliant young talents, enabling them to take up challenging assignments in the highly competitive global scenario.

Quality Policy

FISAT shall strive continually for evolving into an advanced centre of learning and research in the technical and management domains through focus on excellence in all its endeavours, adhering to applicable requirements, embedded in its quality assurance system. The institute is committed to transforming its students into globally competent, socially committed and ethically driven professionals capable of excelling in industry, entrepreneurship and society.

FISAT®

Federal Institute of Science and Technology (FISAT) is a premier Engineering College in the state of Kerala founded by Federal Bank Officers' Association (FBOA) under the aegis of FBOA Educational Society, FISAT is situated at Hormis Nagar, Mookkannor a lush green village near Angamaly in Ernakulum District which is the birth place of late K P Hormis, the Legendary Founder of Federal Bank. The College is guided by the motto 'Focus on Excellence'. It was the cherished goal of setting up a non-profit Educational Institution in the self financing sector that imposed FBOA under the Leadership of Late P V Mathew to commence the saga of FISAT in September 2002. Perhaps the only Technical Educational Institution in the country run by a Trade union, FISAT stands out for its Commitment, Academic Excellence and Social Values

- *Chairman of the Governing Body of Federal Institute of Science and Technology, Angamaly, a premier Engineering College in South India and Secretary of FBOA Educational Society managing the College.*
- *General Secretary of Federal Bank Officers' Association (FBOA) since October 2019.*
- *The first person to occupy all the posts of President, General Secretary and Treasurer of FBOA.*
- *The only woman General Secretary in the banking Trade Union fraternity.*
- *Has been in the forefront of bank officers' trade union movement since 2000.*
- *A professional with B. Tech in Civil Engineering from Regional Engg. College, Calicut and Master of Business Administration from IGNOU, she is currently a Research Scholar pursuing PhD in Management at Bharathiar University, Coimbatore*

has hands on experience for more than 25 years in Banking, Civil Engineering and trade union activities.

Dear Students / Parents,

We are looking forward to a new academic year at a time when an invisible virus has taken the whole world to ransom and ravaged mankind with unprecedented calamities. The economies have also been brought to knees with all activities coming to a grinding halt, people losing jobs and wages, and streets witnessing exodus of migrants back to their home places.

But nothing stops humans from their eternal quest to withstand and survive adversities. If similar pandemics wiped out huge population from earth in the earlier centuries, today the advancement of knowledge and technology has empowered them to minimize the shock and mitigate the crisis. As a result, we are going through a new normal as we prepare to face a post covid era, hopefully in a few months from now. The new normal is built upon innovations and inventions initiated by extensively leveraging knowledge, science and technology. Consequently, the trio of Knowledge, Science and Technology has become a way of life. Needless to say, this emerging scenario opens new vistas to the new generation in the field of technology.

Federal Institute of Science And Technology (FISAT), a venture of FBOA Educational Society, is the brainchild of Federal Bank Officers' Association. It is the vision of this trade union of the officers in Federal Bank to set up a non-profit oriented educational institution that ended up in the formation of the Society and launching of FISAT. Over the years, FISAT has turned out to be one of the dream destinations of engineering aspirants. It stands out not only for the infrastructure facilities, lush and vast campus and the best in the academia kind of faculty, but also for the tremendous quest for knowledge acquisition and continuous efforts to translate knowledge into practice. FISAT also successfully accomplishes the task of extracting the latent talent in every student by providing them fora for creativity, be it in the realm of inventions, arts, sports or creative passions.

FISAT is certified as per ISO 9001:2015. The National Assessment and Accreditation Council (NAAC) certified the institution with A grade. Five of our programmes are accredited by the National Board of Accreditation (NBA).

We acknowledge the contribution of our students, parents, teaching and non-teaching staff, all our patrons and well-wishers and all the other stake holders for their continuous support in our growth.

For us, success is a journey, not a destination. We look towards to you to join FISAT and be part of our onward journey. We promise to make you a better youth.

HEARTY WELCOME TO FISAT FAMILY…

Ms. Anitha P
Chairman, Governing Body, FISAT &
Secretary, FBOA Educational Society

Federal Bank Officers' Association Educational Society (FBOAES)

The college is managed by FBOA Educational Society. The affair of the college is vested in the managing committee of the society. The present Managing Committee is led by Mr. Aneesh Kumar R, President, Ms. Anitha P, Secretary and Sachin Jacob Paul, Treasurer

Mr. Aneesh Kumar R
President

Ms. Anitha P
Secretary

Mr. Sachin Jacob Paul
Treasurer

Mr. Pappachan Thekkekara
Vice President

Mr. Jojo K J
Associate Secretary

Mr. Ajit Kumar K K
Associate Treasurer

Mr. Mohanachandran K R
Member

Mr. Paul Mundadan
Member

Mr. Rajanarayanan V M
Member

Mr. Alex T Paikada
Member

Mr. Abdul Nazar M P
Member

Mr. George C Chacko
Member

387 + JOBS 2020

Outstanding academic RESULTS with top **68** University RANKS

Collaboration with **IIT Mumbai** with five star status for Ekalavya and Spoken Tutorial programmes

- Prestigious FAB LAB and Innovation Centre
- State of the art Language Lab
- Advanced centers for robotic & E-Yantra projects

Scholarships and fee waiver schemes — Cambridge Assessment English programmes

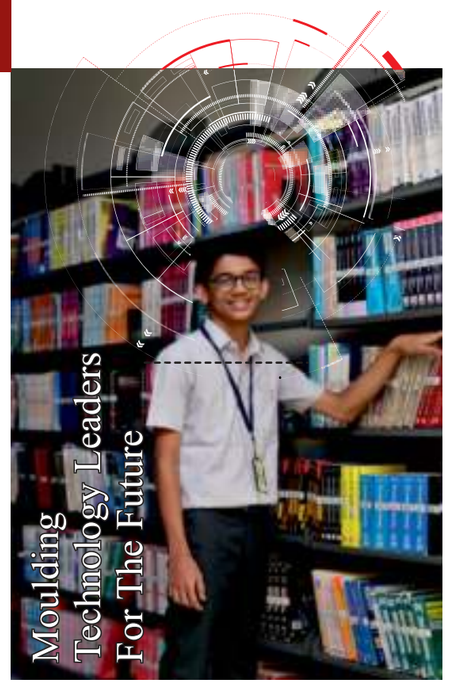
Advanced central computing facility & — Industrial training programmes

Industry Collaboration for academics and add on courses

International Industry internships & **SAP** certification programmes

WHY CHOOSE FISAT ?

- Student incubation, Entrepreneurship ventures and startup companies
- MoUs signed with Government undertakings like TELK, KELTRON, ASAP, HMT & C–Apt
- Most modern **THREE** storied digitized central library and 9 departmental libraries
- Highly qualified faculty with excellent track record
- Residential accommodation for more than **1000 +** students with wifi, recreational and laundry facility
- FISAT Open Agriculture Initiatives received wide appreciation and accolades



Accredited by National Assessment & Accreditation Council (NAAC) with 'A' Grade

5 B.Tech Programmes Accredited by National Board of Accreditation (NBA)

An ISO 9001:2015 certified FIRST Engineering College

High Performance Computing facility with more than 1500 personal computers

FISAT is proud of its emphasis on social commitment value based coaching and providing the right ambience for academics, which allow the students to come out with their best individual abilities. The talents of the faculty to bring out the best in students and ability of the FISAT management to inspire faculty members is well revealed through the events and the activities that have taken place in FISAT. Our mission to mould young minds to take up challenges and to shape their professionalism through a superior educative experience is well emphasized and consistently adhered to in all the activities of FISAT. On behalf of the entire FISAT team, I welcome you to our campus.

Dr. George Issac
Principal

Dr. George Issac has taken charge as Principal of FISAT from 2015. Under his Leadership College has achieved commendable laurels which include NAAC accreditation with A Grade, ISO 9001; 2015 Certification, NBA Accreditation etc. Prior to this post he was the Principal of Mar Athanasius Engineering College, Kothamangalam. He took his B.Sc Engg (Mech.) degree from the University of Kerala in 1981. He took his M.Tech (1984) and PhD (2003) from IIT Madras. He was the Expert Committee Member, Syllabus Revision Committee Member, and Board of studies Member, in M G University. He has published seven papers in international refereed journals. He is a Life member of Indian Society for Technical Education (ISTE).

ACADEMIC HEADS

Dr. C Sheela
Vice Principal

Dr. Sunny Kuriakose A
Dean Academics and Administration

Dr. A J Joshua
Director (In charge),
FISAT Business School

Engineers use creativity, analytical skills and scientific understanding to create solutions to critical problems in health, energy, infrastructure, information technology, the environment, communications, transport, robotics and more.

UNDER GRADUATE	B.Tech Civil Engineering (CE)	120 Seats
	B.Tech Computer Science & Engineering (CSE)*	120 Seats
	B.Tech Electronics & Communication Engineering (EC)*	120 Seats
	B.Tech Electrical & Electronics Engineering (EEE)*	60 Seats
	B.Tech Electronics & Instrumentation Engineering (EI)*	60 Seats
	B.Tech Mechanical Engineering (ME)*	120 Seats
POST GRADUATE	M.Tech Communication Engineering (CE)	24 Seats
	M.Tech Computer Science & Information Systems (CSIS)	24 Seats
	M.Tech Power Electronics & Power Systems (PEPS)	24 Seats
	M.Tech Computer Integrated Manufacturing (CIM)	09 Seats
	M.Tech VLSI & Embedded Systems (VES)	24 Seats
	M.Tech Structural Engg. & Construction Management (STCM)	24 Seats
	MCA Master of Computer Applications	120 Seats
	MBA Master of Business Administration	120 Seats
P H D	Ph.D. Computer Science & Engineering	
	Ph.D. Electronics and Communication Engineering	
	Ph.D. Mechanical Engineering	

* NBA Accredited Programmes

Admission *

Admission is strictly on the basis of merit. 50% of the total seats in B.Tech. programmes are set apart for Centralized Allotment by the Commissioner for Entrance Examinations. (AS PER KEAM PROSPECTUS 2020) Remaining seats are allotted to Management as per norms. Candidates who have passed Higher Secondary Examination, Kerala, or examinations recognized as equivalent thereto, with 45% marks in Physics, Chemistry and Mathematics put together (refer clause 6.2.2A KEAM 2020) are eligible for Management Quota admission. However average 60% marks for PCM is desirable. Management Quota Seats are allotted on merit on the basis of marks obtained for PCM in qualifying examinations and for Kerala Engineering Entrance Examination 2020. He/She shall be qualified in Kerala Engineering Entrance Examination 2020 conducted by Commissioner for Entrance Examination, Govt. of Kerala for all seats other than NRI quota.

Seats are provided for NRI category and allotted to children and dependants of NRI's as per norms of AICTE/Govt. It is also on the basis of marks obtained for PCM in qualifying examinations.

Note:- (i) In two year Kerala Higher Secondary courses or examinations recognized equivalent thereto with two year course where the Board Examinations are conducted in both years, the total marks of two years in the respective subjects as shown in the mark lists of the respective Higher Secondary Boards will be considered for admission eligibility. (ii) In Higher Secondary courses or examinations recognised equivalent thereto where Board Examinations are conducted only at the end of 12th class (final year), the marks in the respective subjects as shown in the mark lists of the respective Higher Secondary Boards will be considered for admission eligibility. (iii) For all other type of Higher Secondary courses or examinations recognised equivalent thereto, the marks of the respective subjects as shown in the mark list of the respective Board of Examinations will be considered for admission eligibility.**

* Admissions will be conducted as per the norms of APJ Abdul Kalam Technological University
** Please refer to KEAM prospectus 2020

Various Scholarships by Management

The Management offers various fee waiver schemes and scholarships for meritorious students scholarships based on KEAM Rank, based on plus two marks, based on income, based on income and plus two PCM marks (NRI quota). To know more about these schemes pleasee click https://fisat.ac.in.

Full Tuition Fee Waiver Schemes

The Tuition Fee Waiver Scheme of the AICTE is implemented in the College. Accordingly 5% of the total intake will be filled under this scheme. These seats will be filled by the Govt. Eligibility for admission will be as per the norms of this scheme. The selection is made purely on the basis of Kerala Engineering Entrance Examination rank list and family income.

How to Apply for Management Quota

Candidates who wish to apply under the Management quota can submit their application online.

Instructions for Online application

During the online application process, the candidate is required to fill the form online using the link https://register.fisat.ac.in and update the marks when available and upload the necessary documents. Applications should complete in all respects. A candidate will be considered for admission, only if he/she has furnished the relevant certificates prescribed in the Prospectus, in proof of eligibility.

Computer Science & Engineering

The Department of Computer Science & Engineering offers **B.Tech. in Computer Science & Engineering** ; **M.Tech. in Computer Science & Information Systems**; **Ph.D. in Computer Science & Engineering**

B.Tech. Computer Science & Engineering

The basics of computer hardware is introduced through programmes such as digital and analog electronics, micro-processors, computer organization etc. The concept of programming and programming languages, operating systems, system programming and software engineering, data communication, net-working and security, graphics and multi-media, data storage and processing, distributed and parallel processing etc. are some of the other important topics covered in the course.

Computer Science and Engineering graduates have great scope in companies working in the field of computer hardware and networking. Development of system software for operation and control of large computer systems and networks need graduates in computer engineering. They are also recruited as software professionals, for developing and maintaining software products as well as IT enabled services.

M.Tech. Computer Science & Information Systems

The programme is designed to provide strong theoretical knowledge in topics like Data structures and Algorithms, Operating systems, Computer architecture, Compiler design, Computer networking, Cloud computing, Information accessing and processing. The industrial training and project work that a student undergoes in second year adds value to the curriculum and focuses on research and development. The students have facilities to pursue their research in the 'Centre for High Performance Computing' with internally developed super computer 'Dakshina II' and library with resources such as National and International journals, E-journals, etc.

Ph.D. Computer Science & Engineering

The Doctor of Computer Science & Engineering degree program has been designed to help the research scholars to gain an in-depth understanding of a specialized subject related to computer science. This would allow them to predict developments and make contributions in area of expertise. PhD can take the research scholar much further ahead of the classic image of a student working away in the lab, or sitting with a pile of books in the library. One may find oneself visiting archives or facilities to examine their data or look at rare source materials. One could even have the opportunity to spend an extended period at a research centre or other institutions outside the university. The Ph.D. degree programme prepares the candidates for senior level leadership, consulting, and teaching positions within business, government, non-profit organisation and higher education.

Civil Engineering

The Department of Civil Engineering offers **B.Tech. in Civil Engineering ; M.Tech. in Structural Engineering and Construction Management.**

B.Tech. Civil Engineering

Civil Engineering is one of the core engineering professions in the world. The study of civil engineering includes diverse subjects like structural engineering, construction engineering, transportation engineering, environmental engineering, foundation engineering, water resources engineering etc. The course will make the students capable of identifying, formulating and solving civil engineering problems that meet specified performance, cost, time, safety and other quality needs and objectives, with professional and ethical responsibility.

In a developing nation like India, there has been a constant requirement for Civil Engineers, to work in infrastructure development projects. There are also a good number of opportunities abroad for Civil Engineers. Some of the major employers for civil engineers are the state and central public works departments, irrigation, railways, airports etc. there are also many opportunities in the government sector and multinational private contracting companies in the field of structural design, building construction, highways, ports and other industries.

M.Tech. Structural Engineering & Construction Management

The programme envisages to develop advanced skills in structural engineering as well as construction management. The speciality of the program is that it enables the students to become a nice blend of Design Engineer and Project Engineer. The syllabi include advanced topics in structural engineering like Finite Element Method, Advanced Concrete and Steel Design, Earthquake Engineering and Management subjects like Project planning and implementation, Scheduling and control in construction, Quality control and Safety Management. The industrial training and six months intensive project work in the second year focus on research and at the same time prepare the students to take up challenges in Industry.

Electronics & Communication Engineering

The Department of Electronics & Communication Engineering offers

B.Tech. in Electronics & Communication Engineering ;

M.Tech. in VLSI & Embedded Systems ; M.Tech. in Communication Engineering ;

Ph.D. in Electronics & Communication Engineering

B.Tech. Electronics & Communication Engineering

The principles and performance of electronic devices and circuits are introduced in the course. Analog and digital modulation techniques used for communication, modulation, digital signal processing, equipment and systems involved in wireless communications, satellite and optical communication technologies, systems for electronic instrumentation and control etc. form major content of the course.

Graduates in Electronics and Communication have opportunities in telecommunication companies for installation, operation and maintenance of communication equipments and systems. Defence, space and other large research organizations employ electronics engineers.

M.Tech. VLSI & Embedded Systems

Advances in VLSI have today enabled most systems to become compact, highly reliable and deliver data at high speed. Further advances facilitate the designer to tailor the IC for specific applications (Application Specific Integrated Circuits). Requirement of improved solutions for miniaturization, high speed, reliability, and high performance computers, necessitates skilled engineers. Thus there is an urgent need to produce quality engineers who can conceive, design and develop VLSI and Embedded Systems

M.Tech. Communication Engineering

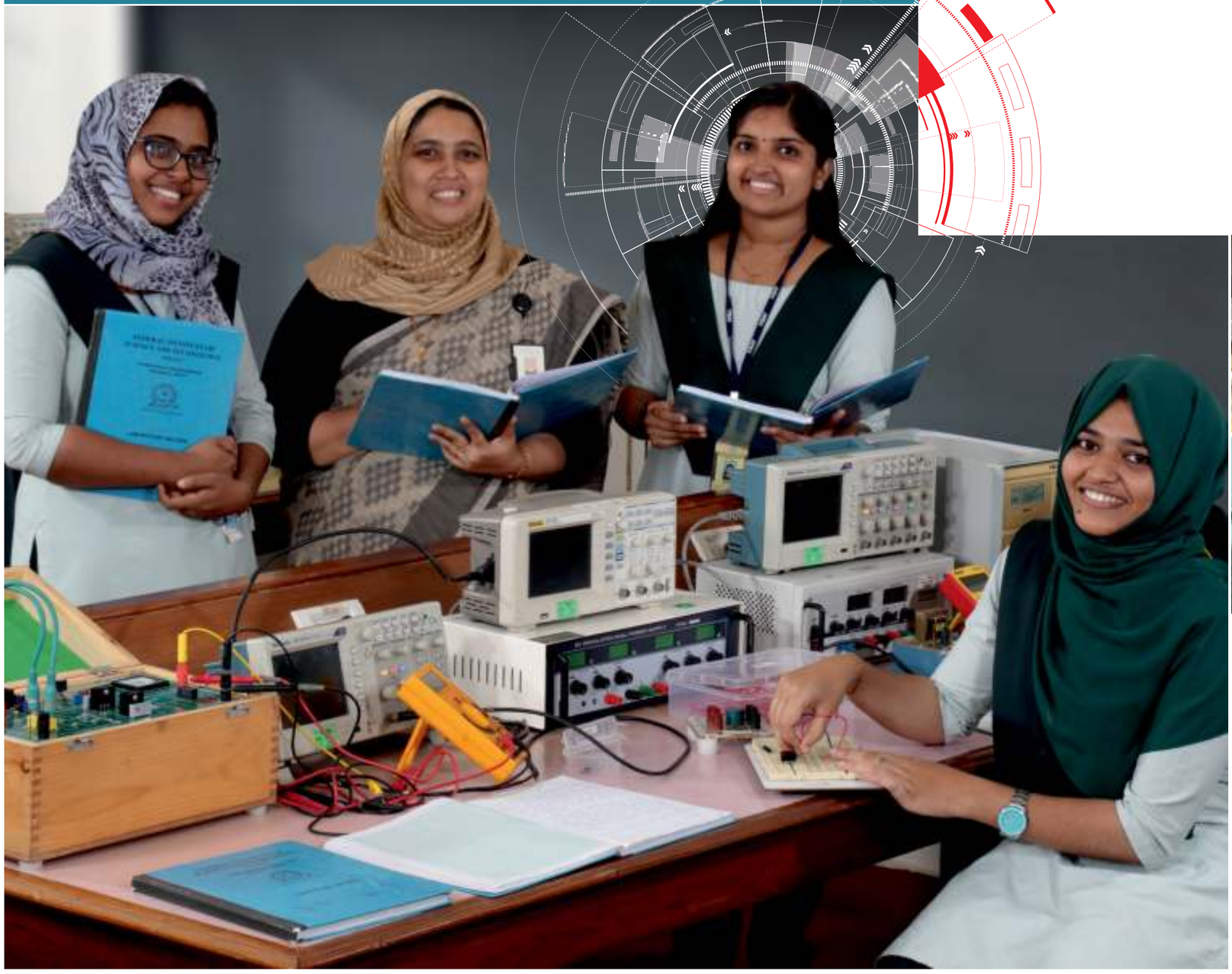
The programme aims at providing a sound exposure to advanced areas of communication like Digital Communication, RF MEMS, High performance communication networks, High frequency circuit design, Satellite communication, Advanced Digital signal processing, Wireless Communication etc.

An AICTE funded Signal Processing research lab facilitates students to conduct advanced research connected with their M.Tech. thesis. The Library subscribes important international and national periodicals including IEEE publications to facilitate research.

Ph.D. Electronics & Communication Engineering

Is a research-based program. The research executed in this course is expected to be of excellent quality so that it can be published in leading journals. This research done can be related to any of the broad areas such as VLSI and embedded systems, Wire communications and networks, robotics and signal processing, RF and antennas etc.

Electrical & Electronics Engineering



The Department of Electrical & Electronics Engineering offers

B.Tech. in Electrical & Electronics Engineering ;

M.Tech. in Power Electronics & Power Systems.

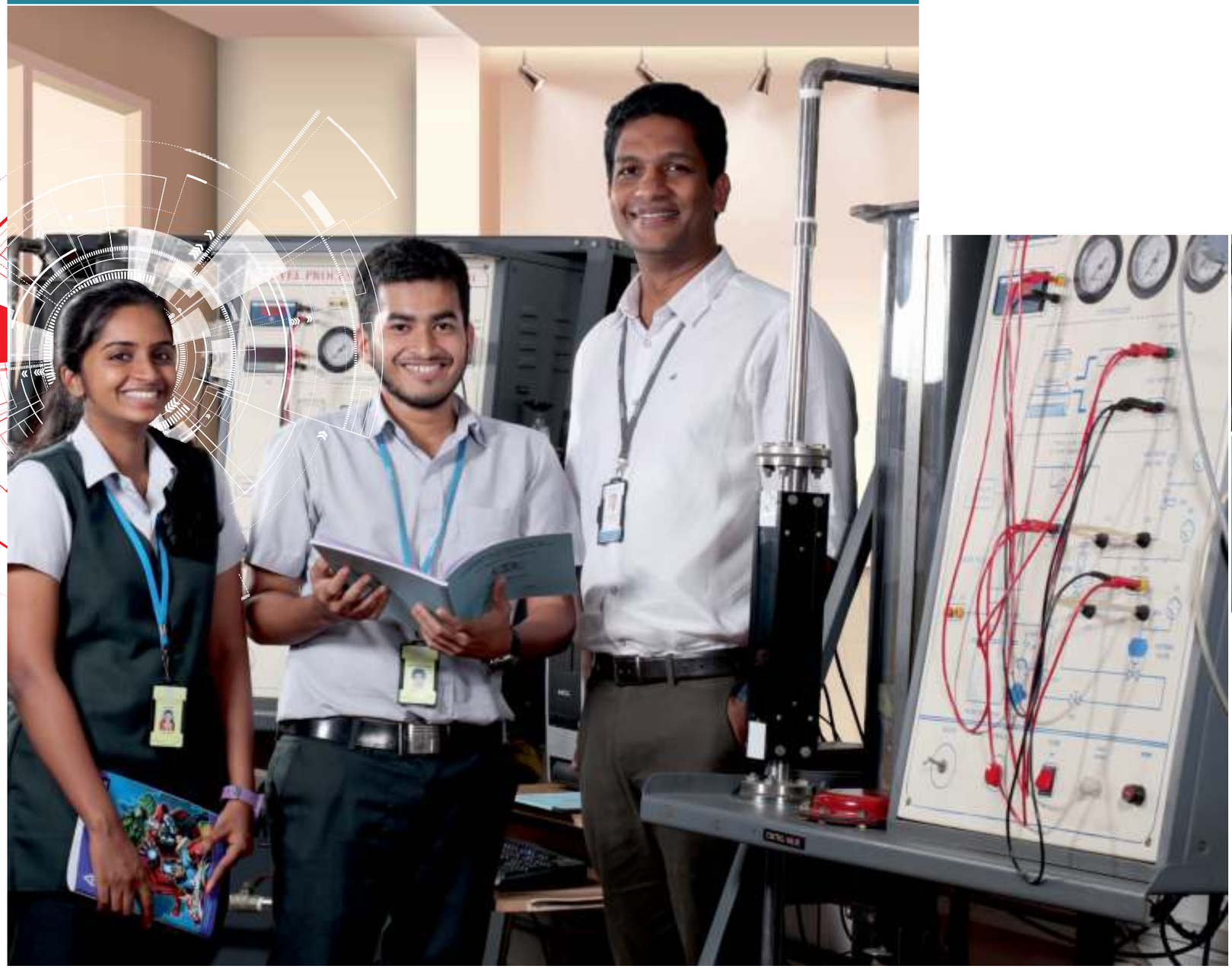
B.Tech. Electrical & Electronics Engineering

The major thrust in this course is related to the basic principles and detailed analysis of different types of equipment and systems for generation, transmission, distribution and utilization of Electrical Energy. The course also covers the study of electronic devices and circuits involved in measurement, instrumentation, control and protection of electrical equipments and conversion systems. Concept of open access in power systems and recent applications of computer based systems in design, analysis and efficient operation of power systems maintaining quality and security are also included in the course.

Electrical graduates are employed in Electricity Boards/Utility companies and large industries as engineers and managers, responsible for installation, maintenance, operation of power handling equipments and systems. Industries manufacturing large electrical machines and equipments employ engineers in design, production and testing. The analytical skills along with computer knowledge and programming skills facilitate to acquire employment in smart power operations.

M.Tech.
Power Electronics & Power Systems

The programme aims to integrate power electronics with the study of power systems. Development of energy efficient systems and energy management, Flexible AC Transmission Systems, fast signal processing for real time applications etc are the areas covered by the course, which have large demand in industry. The course has high relevance since the power industry is on a massive effort to become smart by incorporating the developments in the field of electronics and computing systems to achieve a high level of efficiency, stability, security, quality and reliability of power systems.



The Department of Electronics & Instrumentation offers

B.Tech. in Electronics & Instrumentation Engineering.

B.Tech. Electronics & Instrumentation Engineering

Instrumentation Engineering is a specialised branch of Electrical and Electronics Engineering. It primarily focusses on the principles and operations of measuring instruments used in the design and configuration of automated systems. The concept of electronic devices and circuits, analog and digital integrated circuits are also introduced in this course. The principle of operation of various sensors and transducers capable of sensing different physical parameters are taught. The completion of course in this department equips the students with an awareness of various sensors, process parameter, controlling techniques that are heart to any modern industry.

Industries today are switching almost all their processes to automation and instrumentation engineers have a role to play in all fields where there is automation. The careers of these engineers relate to continuous operating plants for various industry sectors such as chemical, agro, petrochemical, fertilizers, pesticides, cement, paper, polymer, oil and gas, breweries, distillation, iron, steel, textiles, yarn etc. Moreover, the growth in space science engineers sector, avionics and aeronautical sector has increased the scope for instrumentation engineers and there is a huge requirement of instrumentation engineers in robotics and bio medical areas too. These industries employ instrumentation engineers for installation and maintenance of complex instruments, equipment and systems. The design and development of instrumentation and control systems of large process plants are done by these engineers. Research establishments also recruit many instrumentation engineers. Thus instrumentation engineers find job opportunities in almost all domains of the world.

Apart from covering the core subjects such as industrial instrumentation and process control, analytical and bio medical instrumentation, mechatronics and robotics, the students deal with software and hardware topics such as microprocessor and microcontroller, VLSI and embedded systems design and computer control of processes. Since computer languages such as C and python are part of the curriculum, an E&I engineer becomes fit for both hardware and software industry.

World renowned companies like Yokogawa, Honeywell automation and Allan Bradley offer a good package in instrumentation job profiles. The other key recruiters include Aker Solutions, Larsen and Turbo Ltd(L&T), Tata Consultancy and Tata Power, Toyo Engineering etc. and also electronic companies like Texas Instruments, Cadence Design Systems etc. E&I engineers also find wide job opportunities in public sector companies like EIL, BHEL, BPCL, NTPC, SAIL, GAIL, ONCG etc.

Mechanical Engineering

The Department of Mechanical Engineering offers

B.Tech. in Mechanical Engineering ;

M.Tech. in Computer Integrated Manufacturing.

Ph.D. in Mechanical Engineering

Mechanical Engineering is a branch of Engineering that encompasses the generation and application of heat and mechanical power and the design, production and use of machines and tools. This course gives a solid understanding of core concepts including mechanics, kinematics, thermodynamics, fluid mechanics, heat transfer, production and manufacturing, material science etc.

Mechanical engineers are employed in research, design, development, manufacture and testing of tools, engines, machines, automobiles and other mechanical equipments. Large manufacturing & Production industries employ mechanical engineers for design, fabrication, production, testing and quality control functions. Expertise of mechanical engineers are needed in the design of power converting machines such as electric generators, internal combustion engines, steam and gas turbines, refrigeration and air-conditioning equipment.

M.Tech. Computer Integrated Manufacturing

CIM is the manufacturing approach of using computers to control the entire production process. This integration allows individual processes to exchange information with each other and initiate actions. Through the integration of computers, manufacturing can be faster and less error-prone. In this course functional areas such as design, analysis, simulation, planning, and purchasing, cost accounting and scheduling, inventory control and distribution, product life cycle management and supply chain management along with factory floor functions such as materials handling and management, providing direct control and monitoring of all the operations are included.

Ph.D. Mechanical Engineering

Ph.D. in Mechanical Engineering is pursued by candidates irrespective of what their specialisation or stream was at the bachelors' level. The course is focussed entirely on Mechanical Engineering and is a research-based course that delves further into this specific field of study. The course covers topics in Maths and Science that require students to have background knowledge in mechanics, thermodynamics, and scientific computing. The course teaches and allows candidates to learn great mechanical engineering skills, as well as technical drawing and computing skills necessary in the designing of machines and equipment.

Master of Computer Applications

MCA

MCA programme at FISAT aims to enable the students to become competent computer professionals. Students are trained to have a sound foundation in the fundamentals of computer science & applications and a high level of practical skill in the use of modern technology.

Reputed MNCs have recruited many of our graduates in their campus placement drives. The first ranks secured by our students in 2010, 2012 and 2015, second rank in 2015 and third rank in 2011& 2016 in MG University MCA examinations were major academic achievements of MCA department.

Eligibility

The candidate should have studied a degree course with minimum three year duration (after Plus Two) with mathematics / Statistics / Computer Science / Computer Application / Engineering and Technology as a Main / Subsidiary / Core / Complimentary Subject at the degree level.*

The candidate should have secured a minimum aggregate of 50% marks in their degree examination.*

Must have qualified in the entrance examination for MCA conducted by LBS Centre, Kerala or any other agencies authorized by the Govt. of Kerala.

Reservation of seats shall be as per rules prescribed by Govt. of Kerala.

For admission details visit
http://fisat.ac.in/pages/mca-admissions

Industry- Academia interface for students

Recently signed MoUs with reputed Companies at Info Park Kochi & Thrissur campuses.

This MoU will benefit students for industry oriented training programmes, Internships and ample Placements

One of the best departments in academia, co & extra curricular activities

Master of Business Administration

MBA

FISAT Business School (FBS) offers two year MBA programme. This is based on faculty driven course strategies and day to day execution of business insights. New methodologies are learned through team culture and synergic practices. The pedagogy adopted is on 'learn-share-practice' principle.

FBS focuses on learning and implementing through innovative learning practices like field studies, social projects and group activities. The stress is on 'out of the box case analysis' and coming up with innovative solutions. Consolidation and concept clarity is brought in through lectures, presentation and innovative management games spread over intensive class room hours at the campus, promoting an environment of participative learning.

Eligibility

- A pass in degree examination with 50% marks in aggregate for Arts / Commerce /Science and for post graduates. Final year students are also eligible to apply.
- Good score in any National level admission test notified by the University or State Government (CAT/CMAT/KMAT).

Selection

The selection of candidates is purely based on merit. Admission to the MBA programme is determined by the scores obtained by the candidate in the admission test, group discussion, personal interview and a consistent academic record.

MBA Highlights

- Students partaking in industry / government sponsored events as delegates and participants on a continuous basis
- Add-on programmes for enhancing student quality
- Conception and execution of socially relevant community oriented projects
- Case studies, role play and field study based method of communicating concepts
- Skill and competency enhancing structured placement training programmes
- Use of latest IT based tools and learning management systems like MOODLE
- Internship and live projects in every trimester
- National & International Industrial visits and detailed interaction with managers and executives.

For admission details visit : http://fisat.ac.in/pages/mba-admissions-2017

FISAT SCHOLARSHIPS

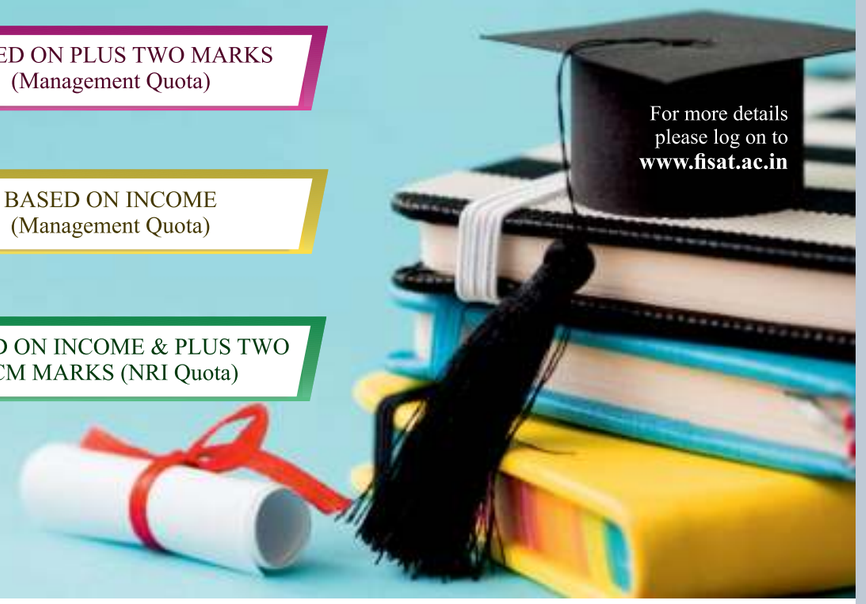
Scholarships are awarded to eligible students under various categories. Medals and cash prizes are also given to the best performing students both academic and extra-curricular spheres.

SCHOLARSHIPS

- BASED ON KEAM RANK (Govt. Quota)
- BASED ON PLUS TWO MARKS (Management Quota)
- BASED ON INCOME (Management Quota)
- BASED ON INCOME & PLUS TWO PCM MARKS (NRI Quota)

MERIT SCHOLARSHIPS FOR M.TECH., MCA AND MBA

For more details please log on to **www.fisat.ac.in**



FISATian Celebrities

GOVERNING BODY

Dr. Ramesh U, Director, AICTE

Dr. G P Padmakumar, Registrar, KTU

Ms. Anitha P, Chairman, FISAT & Secretary FBOAES

Mr. Aneesh Kumar R, President, FBOAES

Mr. Paul Mundadan, Managing Committee Member, FBOAES

Dr. Vijayakumar, Former Director, DTE

Dr. Kurien Issac K, Senior Professor & Dean IPRCE, IIST

Dr George Issac, Principal, FISAT

INTELLECTUAL RESOURCE

In any academic institution quality of the resource is of cardinal importance. A team of Committed & qualified resource with rich experience is the backbone of the college.

Dr. George Issac, M.Tech.., Ph.D
Principal

Dr. C Sheela, M.Sc, M. Phil, Ph.D
Vice Principal

Dr. Sunny Kuriakose A, M.Sc, Ph.D
Dean Administration and Academics

Dr. J C Prasad, M. Tech, Ph.D
Head of the Department, Computer Science and Engineering.

Dr. P R Mini, M. Tech, Ph.D
Head of the Department, Electronics and Communication Engineering

Dr. R Parvathy, M. Tech, Ph.D
Head of the Department, Electrical and Electronics Engineering

Dr. Abi P Mathew, ME, Ph.D
Head of the Department, Electronics and Instrumentation Engineering

Dr. Jose Cherian, M. Tech, Ph.D
Head of the Department, Mechanical Engineering

Dr. G Unni Kartha, M E, Ph.D
Head of the Department, Civil Engineering

Prof. Santhosh Kottam, MCA
Head of the Department, MCA

Dr. A J Joshua
Director (In Charge), FISAT Business School

Mr. Roji M John MLA handing over the UV sanitizer developed by the students of Electronics and Instrumentation Engineering to Govt Taluk Hospital, Angamaly

Dr Muralee Thummarukudy Operations Manager, Crisis Management Branch UN speaking at the FISAT Erudite Lecture Series

Prof. C. Raveendranath, Minister for Education, Govt. of Kerala visiting the mobile fab lab

Dr Ramesh U, Director AICTE inaugurating the AICTE Faculty Training Programme @ FISAT

FISAT Women Volly Ball Team won Intercollegiate Cup @ NIT Calicut

FISAT Sports Champions with the Gold Medals at the KTU Sports Meet

Dr J Latha, Pro-Vice-Chancellor Jain University Kochi Inaugurating the National Conference ICEFOSS2020

FISAT cultural Team won the first prize in the Dance Competition held at Royal College of Engineering

FISAT professor's team won the professors' Championship trophy

Reboot Kerala Hackathon held @FISAT

Dr. Veena Madhavan IAS, CEO ASAP inaugurating the Reboot Kerala Hackathon

Mr Francis K I, Regional Programme Director, ASAP inaugurating the Intel Faculty Development Training Programme

Infrastructure

The campus is a class apart with magnificent infrastructure and has an ambiance that kindles creativity and encourages innovation. It spreads over an area of more than 36 acres of land with over 6 lakh sq.ft of constructed building having the academic and administrative blocks, hostels etc. Spacious class rooms, most modern language lab, wi-fi with internet connectivity, high-end computing facilities, modern laboratory equipments, numerical control machines and testing laboratories of industrial standards are provided for the students. The laboratories in the college provide an ideal training ground for budding professionals to experiment and bring to practice what they study in theory. Full fledged Federal bank branch with ATM, indoor and outdoor sports facilities, conveyance, hostels, store, canteen, fitness centre, medical care centre, backup power supply etc, are some of the additional facilities provided.

Library & Information Centre

A fully automated modern computerised Library & Information Centre is an outstanding place for learning and research. It caters to the ever growing and uncompromising information and intellectual requirements of the students, faculty and researchers.

The college has a central library and separate reference libraries for MBA, MCA, Science and Humanities and Engineering departments. The central library is spread over three floors in the main block where separate reference and stack rooms are provided. The library collection includes 75,000 volumes of text books and reference books in over 15,500 titles. 176 National journals & 83International journals including IEEE publications, 63 magazines, 20 news papers and more than 10000 e-journals are subscribed every year. Digital collections include more than 3000 DVDs and CD-ROMs. D'Space digital library helps the users to access the digital archive of the library. Online Public Access Catalogue (OPAC) is a part of FISAT INTRANET, which enables the members to search, reserve or check the status of any book in the library.

Smart cards are used for library transactions. A reprographic centre is working in the library. Resource sharing is possible through DELNET for students and faculty.

Unique Book Bank Scheme...

Where the member will be issued one standard book in each subject for use in an entire semester is a unique attraction of the library. Students are not required to purchase any standard text books.

FISAT AT A GLANCE

7,00,000 Sq.ft
Total Constructed Building Area

STUDENT : FACULTY RATIO
1:15

LIBRARY
85,000
Vol. Of BOOKS
Digital Library

COMPUTERS
1500 nos.

Wifi INTERNET
400 Mbps

HOSTELS
1034 students
559 BOYS
475 GIRLS

TRANSPORTATION
30 Buses
3 Cars
1 Ambulance
1 Mobile FAB LAB

TOTAL STUDENTS
2777
555 POST GRADUATE STUDENTS
2219 GRADUATE STUDENTS
Ph.D 03
1625 BOYS
1152 GIRLS

STAFF MEMBERS
337 staff
169 MEN
168 WOMEN

RESEARCH CENTRES

CENTRE FOR CONTINUING EDUCATION

Government Funded, Star Rated, Learning Center

The Centre for Continuing Education in the campus is established with an objective to impart quality training programs to the teaching fraternity and to help them keep up with the latest developments in technology, teaching and research. CCE organises various short term training programs aimed at faculty development in engineering institutions, conducts curriculum development workshops, develop WEB based course materials and courses on topics of interest to industry and research for faculty and students.

CCE hosts the project "Ekalavya", an initiative of IIT Bombay and IIT Kharagpur, sponsored by NMEICT and funded by MHRD. This Five Star Rated Remote centre has already trained 700+ faculty in 27 Faculty Development Programs, a great achievement for a campus like FISAT. The funding obtained was of the tune of 25 lakhs for the conduct of the program and 10 lakhs for infrastructure development.

CCE FISAT is also an approved RESOURCE centre of IITB for the Spoken tutorial project and intends to promote FOSS by conducting evening classes for Open Sources tools like python, PHP, Java, C++ etc. for teachers and students at FISAT. Awareness programmes in schools and colleges in and around Ernakulam and Thrissur Districts are also conducted under this program. This project is initiated by NMEICT, Govt of India, to promote IT literacy through Free and Open Source Software. Nearly 600 students have been trained under this project till now. FISAT runs e-yentra project in corporation with IIT Mumbai

FAB LAB

Supported by A KTU and Kerala Startup Mission

Interdisciplinary Fabrication Laboratory (FAB LAB) was set up with the support of KTU and Kerala Startup Mission as part of the project by University for student projects and for mentoring and guiding students to develop innovative ideas. It is a technical prototyping platform for Innovation and Invention and a Small Scale Workshop, offering Digital Fabrication. It also serves as a medium for connecting Global Community of Bureaucrats, Educators, Technologists, Research Scholars and Innovators. A Mobile FABLAB is also developed as an extension of FABLAB. It caters to support the promotion of innovation ideas among students in the society.

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)

Supported by Kerala Startup Mission

The Innovation and Entrepreneurship Development Cell (IDEC) is setup with the support of Kerala Startup Mission to promote Innovation and Entrepreneurial Culture among students and youth. It serves as a medium to bridge the innovators to develop as entrepreneurs.

Centre for High Performance Computing (CHPC)

FISAT is the only self financing engineering college in Kerala having a high performance computing system developed in-house as part of AICTE funded research project. HPC based mobility backend and Android based High Performance Computing: Porting Message Passing Interface to Android are some of the recent projects completed by CHPC. Recently CHPC has partnered with one of the front runners in automotive software development company, Tata Elxsi, to successfully complete a project under the Industry Institute Partnership programme.

Centre for Automotive Research (CAR)

The Centre for Automotive research is established with a view to set up state-of-the-art research and testing facilities in automobile field and to create engineers with global competencies. Research at both faculty and student level addresses problems in different fields of engineering. The Centre provides ample opportunities for students to participate in various research activities and showcase their research achievements. Modern facilities like CNC lathe (Production version) is also a part of the research centre.

Centre for Research and Innovations in Signal Processing (CRISP)

Signal Processing techniques play a significant role in fostering engineering and technology as evidenced by the plethora of electronic devices available in the market and which employ simple to complex signal processing circuitries. This AICTE funded project has TMS kits, signal processing stations etc. and aims to be a host to research in signal processing with particular emphasis on digital signal processing.

The lab is sponsored by the Department of Electronics and Information Technology, Govt. of Kerala

Centre for Advanced Research in Power Converters (CARPC)

The burgeoning energy demand along with the challenges offered by the ever rising fuel prices, threats to energy security and issues of climate change, call for a need to harness the under exploited renewable energy resources in the country. The Centre for Advanced Research in Power Converters aims at developing efficient and high performance power converters and controllers that can optimally extract and transform power from a variety of renewable energy sources. It is also an AICTE supported project

Centre for Earthquake Engineering Studies (CEES)

The Centre for Earthquake Engineering Studies (CEES) under the Department of Civil Engineering envisages to promote research in the areas of analysis of structures under earthquake, geotechnical earthquake engineering and related areas. It has developed in-house, a medium sized sinusoidal one dimensional shake table with data acquisition system for conducting studies on soil and structures. The Centre is also equipped with advanced parallel finite element software OpeenSees to conduct computation intensive large scale analysis of earthquake engineering problems.

Instrumentation Research & Consultancy Centre (IRACC)

Realizing the growing importance of automation in process industries, IRACC is established under the Department of Electronics and Instrumentation Engg. for promoting research in process instrumentation. The Centre has facilities to simulate computer controlled process plants, distributed computer control systems and implement control techniques. Facilities are extended for doing projects by students in FISAT and other institutions.

FISAT Accorded Local Chapter Status by NPTEL

National Programme on Technology Enhanced Learning (NPTEL), a joint initiative of the IITs and IISc. has accorded FISAT with the status of a local chapter thereby enabling FISAT with the facility to offer e-learning through online Web and Video courses in Engineering, Science and Humanities. By this FISAT can mention NPTEL website as a partner resource and opportunities will be given to faculty members for updating NPTEL contents. Students will have access to 900+ courses of NPTEL and get information about upcoming courses.

SAP Learning Hub

FISAT has become a member of SAP student Academy Programme. 250+ different e-learning modules and more than 50 e-learning books and e-learning titles are provided in FISAT campus for the enrolled students of SAP programme.

ORACLE Academy

FISAT in association with Oracle Academy offers students and faculty access to world-class technology, expertly developed learning materials and curriculum, training, and other resources that help develop computer science knowledge and skills critical to global economic growth and career success across industries.

MoUs

FISAT has signed MoUs with various National and International firms including to work together in technological areas. This will provide opportunity to students for innovation, research and industry tie ups. Major MoUs are.

OPENTRENDS | KELTRON | HMT
TELK | ASAP | C-apt

Student Amenities

Residential Accommodation

Hostels for boys and girls with all amenities have been provided inside the college campus. The Gents' hostels can accommodate nearly 600 inmates. The Ladies' hostels can accommodate more than 700 inmates. All hostels are provided with spacious mess halls and modern kitchens. Effective waste disposal using biogas and waste water treatment plants ensures environment protection. Caring wardens and tight security ensures a pleasant stay allowing students to focus on their studies.

Conveyance, Canteen and Store

Conveyance by college buses are provided from Ernakulam, Perumbavoor, Chalakudy, Thripunithura, Kakkanad, North Parur, Thrissur, Irinjalakuda, Kothamangalam, Muvattupuzha and Kodungallur . Adequate facilities are provided for College canteen, Store and Telecommunication.

Professional Student Bodies

Professional student bodies like ISTE, IEEE, ISA, ICI, ASME and CSI are very active in the college. FISAT CSI student branch was selected for the National Award for Best student Branch of Computer Society of India for three consecutive years. ISTE student chapter and IEEE student Chapter were also selected for Best Student Chapter Award in the past.

Sports Facilities, Fitness Centre

In sports arena, FISAT has earned a prominent place in university and national level. Our students represented University teams in Table Tennis. Many national, state and university level tournaments were conducted in the campus to provide exposure to the students and to promote the budding sports persons. FISAT has state - of - the - art sports facilities like acrylic Basketball and Volleyball courts, Well equipped Fitness center, Football field, Indoor Shuttle Badminton courts, Cricket practicing nets etc.

Group Advisory System

In the group advisory system, one staff member is in-charge of a batch of 20 students. The system is intended to give advice and guidance to the students in all curricular and extra-curricular activities. The students can meet the advisor to get personal and academic help. Parents can contact the respective advisor to know the progress of the student.

Counselling Centre

Programs for H.R. Training and counselling are conducted on a continuous basis by experts. Ms. Marymol, a qualified councillor is available in the campus. In case a student has any problem about course work, personal and emotional problem, our expert councillors are there to extend help.

Cultural Activities

The college provides its students numerous opportunities for co-curricular activities to enrich their cultural interests. There is an annual inter-class arts competition "Arangu" and the winners of these events represent in University Youth Festival.

Full Fledged Bank Branch

A Federal Bank has opened a full fledged bank branch with ATM Centre in the campus for the convenience of the staff members and students. The campus was declared as the first 'Yuvamitra' Campus of Federal Bank. An exclusive ATM counter is installed inside the College Campus.

Medical Care Centre

A Medical Care Centre for students and staff is set up in the campus. The medical team including a doctor from a nearby multi-speciality hospital visits the Centre on every Tuesday and Thursday to monitor the health issues of the students and the staff. 24 x 7 Ambulance service provided by the college.

SCIENCE & TECHNOLOGY PARK AND RESEARCH CENTRE

FISAT has now become a brand name in the field of Educational Technology, Product Development, Entrepreneurship and Social services. Centre aims to foster a new scientific perspective within the youth and thus mould young entrepreneurs and scientists for tomorrow. The centre co ordinates the activities of Science Park and Research Centre, Community Research Centre, and Outreach Programmes. SCOPE, FOCUSS, Rural Innovation Centre, Unnath Bharath Abhiyaan (UBA), Astronomy Club, Industry Institute Interaction Cell, Centre of Renewable Energy, Center for Cyber Innovations, State Resource Centre, Centre for Acoustics, Production Centers/Factories/Mini factories, Science Library, Children Science Park, Planetarium, Centre for Logistics, Weather Station at Schools/Rural Areas.

In Charge
Mr. Jiby Varghese, Assistant Professor (Sr. Gr.)
Dept. of Electronics and Communication Engineering

NATIONAL SERVICE SCHEME NSS

The National Service Scheme (NSS) Government sponsored Public Service Programme conducted by The Ministry of Youth Affairs and Sports, Govt of India functions effectively in the college. NSS volunteers undertake programmes to support the society.

COMMUNITY SERVICES

The institute is situated in a rural village and as such the upliftment of the community is the prime responsibility of the institution. Student forums like NSS, FOCUSS, SCOPE, SWAN, Road Safety Club, and Class Committees are in the forefront in carrying out the vision of the college. Community outreach programmes are often organized. Anti-alcoholic, anti-drugs and road safety, Hair for Hope campaigns are conducted with the support of various government departments and NGOs. English literacy programmes and computer literacy programmes are regularly conducted by the students among the rural village population. Awareness on water borne diseases, e-waste disposal, fund raising for charity programmes, treatment of persons with terminal illness, blood donation programmes, social visits to orphanages and special schools, are also conducted with much enthusiasm among students. Rehabilitation of the differently abled students is a major challenge undertaken by the institute. The NSS Technical Cell at FISAT has played a lead role in organising social service programmes like N-DART and N-CAP state level workshop, All Kerala Programme Officers Conference etc. initiated by KTU.

Language Lab

The Language Lab is an audio visual installation used as an aid in English language teaching with special focus on communication competence and development of soft skills. It is a teacher controlled system connected to over 70 numbers of student consoles, each having a headset with a microphone. The fully air-conditioned Lab makes use of state of the art facilities like projector and audio system to train students in public speaking, by laying special emphasis on accent training. The cutting edge training, students receive in the Language Lab polishes their reading, listening and writing skills, and adds to their employability.

Rolling stone, is a Literary Association of FISAT fosters the literary, creative, debating skills of students and provides them a platform to confidently showcase them. The 'Toast Master's International' is being held regularly two days a week and the best speakers are spotted out to win Inter collegiate competitions.

Refund Policy

The educational agency shall refund the entire tuition fee, if a candidate leaves the course before the prescribed date by the concerned authorities. For B.Tech.., any student admitted to the college decides to cancel the admission for any reason whatsoever after the prescribed date the educational agency shall be entitled to collect liquidated damages specified by government of Kerala. For other courses, liquidated damages have to be paid by students who leave the course after the respective prescribed date.

Technical Forums, Associations

Technical forums like Thyra, Echo, Electra, Idea, Matrix, Forum, Civil Engineering Association, MCA Association, Literary Association Rolling Stone and FFSC are very active in the college. The campus vibrates with top class curricular activities and co-curricular and extra-curricular activities like national & international conferences, technical fests, workshops, seminars, invited lectures, Industry-institute interactions etc. that provide students a professionally accomplished educational experience.

GREEN @ FISAT

Our aim is to conserve nature's heritage by education and direct conservation efforts. We motivate the youngsters and make them involve in environmental protection. The main objective is to give awareness to the students regarding habitat preservation, planting and maintaining nature garden. FISAT possesses a charming campus which spreads over an area of 42 acres of land. The club initiates the staff and student participation in cultivation of all kinds of vegetables and habitat preservation. The Institute keeps the campus verdant with herbal plants and several crops that are tended by students, staff and workers. Minimizing the use of pesticides, focus is given to organic farming. SWAN, the nature club of the institution organizes eco-friendly programmes such as planting and harvesting crops, environment awareness camp, etc. The club frequently arranges field trips, nature walks and talks by naturalists.

OUR ALUMNI'S are spread across the World

A globally connected engineering and IT network

Europe »» Austria »» Belgium »» Cyprus »» Denmark »» France »» Germany »» Greece »» Hungary »» Iceland »» Ireland »» Italy »» Luxembourg »» Netherlands »» Norway »» Scotland »» Sweden »» United Kingdom **Australasia** »» Australia »» Fiji »» New Caledonia **Africa** »» Egypt »» Ghana »» Kenya »» Namibia »» Nigeria »» South Africa »» Zimbabwe **Asia** »» Afghanistan »» Bahrain »» Bangladesh »» Bhutan »» Indonesia »» Iran »» Japan »» Kazakhstan »» Korea »» Kuwait »» Malaysia »» Maldives »» Myanmar »» Nepal »» Oman »» Philippines »» China »» Qatar »» Singapore »» Sri Lanka »» Thailand »» United Arab Emirates

Reeshma Ramesan IPS
ASP (U/T) Kottayam

Choosing FISAT for my college education was one of the best decisions of my life. I grew up as an Individual and learned to interact with people from different backgrounds. The environment and the activities at FISAT are awesome.

Alen George
Ellucian, USA

The freedom FISAT offered to follow my passions and the excellent guidance from staff has left an indelible mark on me.

Shyju N
Senior Systems Programmer, Intel, Bangalore

FISAT's dedication and commitment towards placing all eligible students is highly commendable.

Kevin Vallanatt Damien
Software Engineer, PlayStation - Sony Interactive Entertainment, US

My Degree in Electronics and Communication from FISAT,provided good ground for my Masters in Computer Science in Rutgers University,New Jersey,USA,with an emphasis on machine learning and artificial intelligence. This helped me to land up in a MNC like Sony Interactive Multimedia Television Company,Sanfrancisco as Software Engineer

Anil Unnikrishnan
Samsung Research, USA

At FISAT, I got a wholesome college experience. It was here that I had some of my best academic memories and I understood my potential. I'm not sure if I'd have chased my dreams if not for the inspiring and encouraging faculty in this institution.

Visan Varghese
System Operations,
Lead Specialist, Allianz, USA

At FISAT, I was encouraged to trust myself, be fearless in chasing my dreams for the future and explore new things. This helped me to challenge myself and appreciate the opportunities and responsibilities that came along with it.

FISAT has the most successful and vibrant Placement and Training Cell in the state. The cell has made commendable achievements over the years, the track record is outstanding and consistent. We have been successful in placing almost all the eligible students through campus recruitments. The fact that our students are placed in the best in the industry like IBM, SAP, TCS, Infosys, Wipro, CTS, UST Global, IBS, Speridian, EY, SOTI, core companies like Cadence, Bosch, Procsys, VVDN, DCT, Kalkitech, MRF, Government and Public Sector companies like BARC, ONGC, Power Grid, CIAL and commercial banks like Federal Bank, South Indian Bank, Standard Chartered Bank speaks volumes about the quality of the students. The campus attracts industries across various segments.

The cell focuses on grooming the students according to the needs of the Industry. Every student undergoes a set of well designed employability enhancement training programs totaling to nearly 200 hours along with their curriculum. These training programs give them a competitive edge and enable them to capitalise on any opportunity that comes across, even after their course. FISAT probably has one of best trained students in the state and it is clearly indicated by the high acceptability of our graduates in the Industry. FISATians have been successful in bagging more number of offers in pooled recruitment drives conducted by various companies.

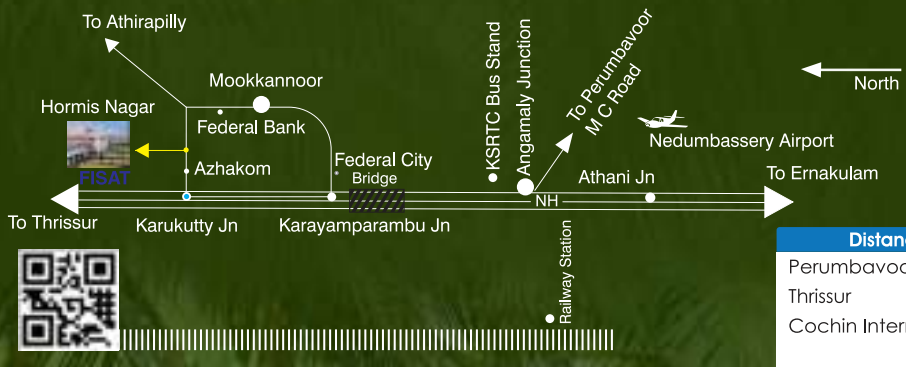
The on-campus offers in FISAT has been consistent and touched a peak of 570 offers in the year 2019. In 2018, the number of offers in the previous year was 456. The recruitment of the 2020 batch is ongoing and has already crossed 300 offers.

PLACEMENTS

OUR MAJOR RECRUITERS

The Campus is at Hormis Nagar, Mookkannoor, a panoramic village on the outskirts of Angamaly Town. A vast stretch of land over 36 acres forms the campus. With its scenic beauty and virgin surroundings, this typical Kerala Village provides proper ambience for the prestigious academic institution. The campus is within a radius of 4 km from NH 47, 8 km from Angamaly Railway Station and 15 km from Kochi International Airport. Well known pilgrim centres like Kalady, the holy birth place of Adi Sankara; Malayattoor, blessed with the footprints of St.Thomas and the famous Athirappilly Waterfalls, one of the important tourist attractions of the state are in the vicinity of the campus. Mookkannoor is well connected by road to Angamaly from where a number of private and KSRTC buses make frequent trips to Mookkannoor and other destinations beyond Mookkannoor.

LOCATION MAP **MAP NOT TO SCALE**



Distance Chart	
Perumbavoor	20 km
Thrissur	45 km
Cochin International Airport	15 km
Cochin	40 km
Railway Station	8 km

Focus on Excellence

Federal Institute of Science and Technology (FISAT)

Accredited by NAAC with 'A' Grade & NBA
An ISO 9001:2015 Certified Institution, Approved by AICTE & KTU
Owned and Managed by Federal Bank Officers' Association Educational Society
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