



**Better Professionals through teaching & learning excellence
- The FISATEXCEL Promise**

Hon. Justice (Rtd) P. Sathasivam, Governor of Kerala inaugurating the Innovation & Entrepreneurship summit, FISAT TECHPLANET 2019 - on the occasion of FOUNDER'S DAY CELEBRATIONS

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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.



Chairman's Message

At the outset let me congratulate the Editorial team of **Impetus 2019** for bringing out a wonderful edition of Annual News letter in a beautiful manner. Our vision is based on hard work, open communication, a strong emphasis on team work and a high level of responsibility. This visionary culture lays emphasis on our wards to adopt the present day challenges and also to take up individual responsibilities to the society and our nation at large.

Learning should be based on doing things and not merely knowing things. Until and unless learning solutions relate to real life and motivate the learner to acquire and apply the knowledge, the whole process will remain superficial. Any engineering institution worth its name looks to optimize the productivity of global leaders. Our institution has set specific objectives and planned activities for achieving excellence in all spheres of technical education.

The service of the institution in creating mature, professionally equipped and service-oriented graduates is really worth mentioning. We strongly believe in academic excellence and do not compromise on teaching standards as well as discipline. These three things are the springboards on which we operate. People who feel good about themselves produce good



results and people who produce good results feel good about themselves. We also believe in total learning and sharing.

Dear students and staff, we invest our trust on you. You are our safe source and we bank all our efforts on you. We create not the future instead we craft you for the future. There are strong challenges to great efforts but, always remember, great effort bears the sweet fruit of success. We want you to taste the fruit of success once and for the rest of your life, you will never rest.

I take this occasion to congratulate the principal, staff, students and parents for their strong sense of commitment, service and responsibility that has transformed this institution into an outstanding and significant temple of learning.

Dr Paul Mundadan

Chairman- Governing Body - FISAT



It is a great pleasure to extend heartfelt greetings to the readers of the fourth issue of the Annual Newsletter of FISAT IMPETUS 2019. I deem it to be a matter of immense pleasure and honour for me to address you all. It is indeed very heartening to witness that the college has carved a name for itself in the academic scenario of the region. Education is the most powerful tool to bring desirable changes in our personality and society at the same time. It is the only medium which enables you to move from darkness to brightness.

Dear friends, I emphasise that, there can be no better way to improve our nation's prosperity and socio- economic well-being than through the education system. Apart from this, technocrats are the key to continued economic and technological advancement of our country.

It is a great opportunity to urge you all to focus on all round development. This process has to be taken over through the academicians by providing morale based education. Besides all should remember that, "honesty is the first chapter in the book of wisdom" as well as we should inculcate honesty and integrity in all what we do.

I earnestly hope and trust that this institute's esteemed academicians and budding technocrats will not only work with sincerity, honesty and dedication but also contribute to make this world a better place to live in. In addition to that, this is a good time to congratulate the editorial team for their hard work and effort in bringing out this news letter in a wonderful manner.

Dr. George Issac
Principal - FISAT

Editorial



Editorial Team

Dr. Prasad J C- Chief Editor

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Dr. Paul P Mathai - CSE

Ms. Beenu Riju - EIE

Ms. Joice T - MCA

Mr. Nizamudeen Akbar - S & H

Ms. Neeraja Nair, CEA

Mr. Bijoy Joseph - Library

PLACING FISAT AMONG THE STARS...SKY HIGH PLACEMENTS – 570 OFFERS AND COUNTING..

In an environment where engineering courses inundate the educational landscape students are faced with a plethora of choices based on factors that may be as mundane as 'scenic landscape' and 'religious traditions'.

How much of this holds any weightage in the final performance or in measuring the worth of a student graduating from the campus? Ultimately measures of employability become the metric of choice to decide the intrinsic value of an institution to its students..

570 offers, 94 companies, 700 students across five specialization streams..

This record breaking performance is driven by the 'FISATEXCEL' Promise..A promise to bring out employability skills and performance expertise to young entrants through a four year systematic handholding and mentor driven program that is neither limited to branch nor year but is set across the four academic years and streams for a 360 degree experience.

The FISATEXCEL promise is a promise to deliver more.

As the needs of enterprises become focused on AI, IOT, cloud computing and specific skills, institutions of engineering across the state are striving to add value to the knowledge economy in different ways which are not limited by a university oriented prescribed syllabus and evaluation criteria. Employable skills are honed by alternate non rote learning, and innovative teaching methods and student empowerment.

FISATEXCEL promises a transformation- of attitude, transferable skills and competencies. These key changes in student readiness for employability are effected through seven key themes permeating the program delivery:

1. Benchmarking university guidelines: the Kerala Technological University was formed in 2015 with the aim to raise standards of engineering education with inputs in course range and depth. Stricter performance outcomes has also raised standards. This has led to an 40% increase in the number of recruitment ready professionals when placement week begins.

2. Student mentorship and classroom innovation: Ultimately change in student attitude and skill is enabled through conceptual and analytical inputs given to the students through the lecture interface. The 'group advisor' concept enables each student to personally interact and be mentored by a faculty member who maintains this relationship throughout the study period of four years. It demands a personal and continuous attention to student learning, personality enhancement and new skill enhancement. . Students public interface and soft skilling is taken to competitive levels by a step by step progressive personality and communication- dynamic exercise by external change agents who build up quality in individual student output through one to one performance monitoring.

3. Satellite Learning through Foster organizations: education is becoming more an exercise in cross disciplinary learning through short term programs and remotely managed programs run by NPTEL, IISC and IIT Mumbai. During the four year course work students are able to remotely attend online programs in any discipline or interested subject area in engineering, liberal arts or pure science, and get certified by these educational giants, sitting in their classes and hostels, in the comfort of time and space. Facilitators at FISAT encourage this exercise actively and are certified experts themselves. Faculty development programs and seminars, both national and international are fora to enable continuous, relevant, contemporary learning that will serve both the faculty community and the student group.

4. Focus on job Creation through FABLAB: this is a start up and product development hub built at a cost of 1.5 crores housing state of the art equipment like 3D printers and precision machines to carry out research and development exercises and product concept and development for budding startups, through Start Up ,

Makers workshop and IEDC. Students who wish to develop their own tools, softwares, or equipments obtain memberships and can work part time in the fablab as student entrepreneurs.

5. Corporate Consultancy and Industrial Connect: the FISAT Consultancy Services is a division that works as the consultancy hub for many SMEs and industrial units that are seeking to develop new products, to implement projects, to write softwares and to digitalise enterprises. These projects involve potential student candidates and Masters level students in the development of such specialized needs and products. These projects are showcased to external funding agents and potential support organizations, corporate sponsors and training partners for ensuring industry suitability. A number of MOUs with foreign universities and Joint working partnerships with state government enterprises like KSEB, TELK etc are ongoing and operational.

6. Student centric talent and skill enhancement exercises: In a 3000 strong student community, talents abound, as do sport stars, creative and artistic experts, technology whiz kids and wired community hubs.. Nurturing these unique talents is done by allowing students to take the lead in conceptualizing, creating and executing programs, events, competitions, gatherings, talk sessions, technology jamming and objective specific virtual meetings. These have resulted in masterpieces like BHARATHAM, ARANGU, NAUTILUS, FORUM, etc. Added to this are the clubs like SWAN, TOASTMASTERS etc that help them overcome inhibitions.

We present to you the klaidoscope of events, activities and entertainment that form the mermsmerising phenomenon that moulds the Fisatian - Impetus 2019

Dr. J.C. Prasad
Editor



Mr. P. V. Mathew
Founder Chairman (1953-2017)



FOUNDER'S DAY COMMEMORATION

It is not often that mature institutes hold on to their humble beginnings and individual stalwarts. In fact in the growth phase, radical growth often paves the way for transformational change and lofty achievements often on to paths far different from the initial goals and expectations. This is normal and accepted but, FISAT, as in so many ways, chooses a more staid path bound in deep rooted values and persuaded by the same guiding principles that lightened up those misty, oft confused, sometimes convoluted paths and those which continue to lighten our paths and those of posterity.

Mr. P.V. Mathew, a bastion of firm, humanistic beliefs, a rigorous believer in teamwork and participative leadership, and a benevolent yet unquestionable leader- was instrumental in building up this institution from the ground up, winning trust and carrying the hopes of the community and his co-workers towards collective ownership of institution of relevance, repute and meaning. Federal Institute of Science and Technology was established at a time when droves of youngsters were leaving en masse to substandard institutions of dubious origins and working located in neighbouring states.

Needless to say, there has been no looking back. In the mature and measured leadership of Dr Paul Mundadan, FISAT has soared even higher- blossoming into international education, innovation opportunity building , and job preparedness and enhancement for young professionals.

In the occasion of FOUNDERS's DAY 2019, an year after the inauguration of the FOUNDERS DAY initiative, an installation of a metal bust in polished bronze of Mr. P.V. Mathew, trade union leader, Founder Chairman, and tireless worker for human rights was unveiled by Honorable Justice (Rtd) P. Sathasivam, Governor of Kerala, in the distinguished presence of the the FBOAS executive board, his family members and hundreds of respectful teachers and students.

FISAT TECH PLANET - ENCOURAGING SOCIAL ENTREPRENEURS

FISAT TECHPLANET An innovation & entrepreneurship summit, inaugurated by Hon. Justice (Rtd) P. Sathasivam on 27th September 2018. The programme was comprised of Rural Innovators Meet, Panel Discussions, Lecture Series, Project Competitions and Hackathons for both college and school students across India.



Rural innovation on display

FISAT TECHPLANET – An Innovation & Entrepreneurship Summit 2018 is an initiative by the Federal Institute of Science and Technology (FISAT)®. It is to bring out and recognize the mettle of the young scientists and entrepreneurs and their socially relevant projects into the realms of the social strata. It is an event organized every year with prizes and scholarship worth lakhs. Young scientists and entrepreneurs are encouraged to bring out their talents for the

benefit of the society. With a view to enable this, FISAT has set up a fully fledged Federal Labz and a modern Fab Lab to incubate start-ups and innovation inside the campus. It provides a space with all the modern amenities required for the functioning of start-up companies and innovative projects. The potential technology aspirers and entrepreneurs with innovative ideas are nurtured through different phases of growth until their research takes off to a scale up

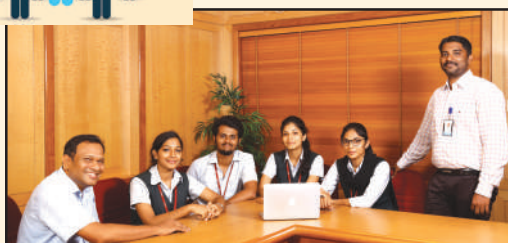


Students exhibiting their innovative projects

level where it becomes a viable venture. The state-of-the-art facilities provided by the Institute, and the expertise offered by faculty who are experienced in their specialized areas, help the aspirants implement their ideas. **FISAT TECHPLANET** paves the way to build a better career for the young scientists and entrepreneurs in their fields of expertise.



RECORD PLACEMENT IN 2019



Faculty mentors and Placement team of BTech Stream

What has been the driving force behind the best ever placement record received by FISATIANS this last year? Industry acceptance and industry rootedness is an outcome of a systematic, phased placement process that has extended over several crucial semesters. Some of the highlights of this approach has been:

1. A four hour communication development workshop 'Mpower', spread over two weeks.
2. A 90 hour 6 day intensive workshop by specialist training and finishing school 'Turning Point'.
3. Frequent exposure to group discussion, interview training and aptitude training through a one hour placement training orientation and guidance class for all branches in their sixth and seventh semesters on a weekly basis.
4. Introducing them to higher education options through face to face talks with industry mentors
5. Thrust on competitive exams like GATE, CAT etc through personalized classes and facilitators.



Providing the FISATEXCEL promise through

1. Benchmarking university guidelines
2. Student mentorship and classroom innovation
3. Satellite Learning through Foster organizations
4. Focus on job Creation through FABLAB
5. Corporate Consultancy and Industrial Connect
6. Student centric talent and skill enhancement exercises: In a

Apart from this, training programs which focus on preparing the students for campus recruitment, like aptitude, group discussion, and personal interview are also conducted in the pre-final year. In addition to the above, one hour placement orientation and career guidance classes for all branches are conducted for the benefit of the students during the sixth and seventh semesters, every week. These classes help the students to gain information relating to different career options after B.Tech. Information pertaining to various higher study options is also discussed. Guidance on how to prepare for various competitive exams like GATE, CAT, MAT, GRE, UPSC, PG entrance examinations etc. were also given.

KEY RECRUITERS OF FISAT

•ADITI TECHNOLOGIES	•CORGENTZ CORPORATION	•HYPERLINK	•NUVENTO SYSTEMS	•SOURCEBITS
•ADP	•CSS CORP	•IBM SUPPORT	•ONMOBILE	•SOUTH INDIAN BANK
•ADRENALIN	•CTS	•IBS	•ORACLE	•SPECTRUM
•ADVENSER	•CUMMINS	•ICHANICAL	•PATH PARTNER	•SPERIDIAN
•AJAILE	•DECATHLON	•I-GATE	•PEROT SYSTEMS	•SPI
•AL SALEH, MUSCAT	•DELL	•IMS	•PLATINO CLASSICS	•SPROUTS
•ALLFON SYSTEMS	•DELL	•INAPP	•POORNAM	•STANDARD CHARTERED BANK
•ALLIANZ CORNHILL BPO	•DIGITALCORE TECHNOLOGIES	•INDIAN AIR FOCE	•PROCSYS	•SUBEX
•ALLSEC	•DIGITAL NIRVANA	•INDIAN NAVY	•PROCSYS (HARDWARE)	•SUNTEC
•AMAZON INDIA	•EASTERN GROUP	•INDIAN OIL CORPN.	•PROGRAMMABLE SOLUTIONS	•SUTHERLAND
•AMERICAN TOWER	•Eazy LEARN	•INDUS MOTORS	•QBURST	•SYNTEL
•APPLIANCES PVT. LTD	•EBEN TELECOM	•INFOSYS	•RAZORTHINK	•TALLY SOLUTIONS
•APPLIED TEX	•E-FUNDS	•INFOVISTA	•RELIANCE	•TANKER
•APPZOC SOFTWARES	•ELKANIO	•INNOVATURE	•RELIANCE INDUSTRIES	•TATAELXSI
•APTEAN	•EMPOWER LABS	•INTEGRA	•RELIANCE PETROLEUM	•TBHS
•ARBITRON	•ENERGID TECHNOLOGIES	•IVTL INFOSYSTEMS	•REUBRO	•TCS
•ARICENT	•ENVESTNET	•IWS PVT LTD	•REVELATION AUTOMATIION	•TECH MAHINDRA
•ARMIA SYSTEMS INC	•ERNST & YOUNG	•KALKITECH	•RM ESI	•THINK&LEARN
•BANK OF BARODA	•EXPERION	•KGISL	•ROBERT BOSCH	•THINKSOFT
•BEEHIVE SYSTEMS	•5TH GENERATION	•L&T	•ROBOSOFT	•THIRD WAVE
•BIRLASOFT	•FACE ACADEMY	•L&T INFOTECH	•RUBY SEVEN STUDIOS	•TISMO TECHNOLOGY
•BIZ TIME	•FEDERAL BANK	•LITMUS7	•RUBY SOFTWARE	•TOONZ ANIMATION
•BOSCH	•FEDERAL GREENS	•LOTUS ENTERPRISES	•SAMAGRA SOLUTIONS	•TRAVANCORE ANALYTICS
•BYJUS APP	•FOCUS INFOTECH	•MAVERIC SYSTEMS	•SAP	•TRIVITRON
•CABOT SOLUTIONS	•GDA	•MAXXION TECHNOLOGIES	•SAPIENT	•UIT GROUP
•CADANCE	•GENPACT	•MEDIA SYSTEMS MGMNT, SINGAPORE	•SASKEN	•UROLEAF
•CAPGEMINI	•GES INFOTECH	•MICROSOFT	•SATYAM	•US TECHNOLOGY
•CARITOR	•GNEXT	•MIL CONTROLS	•SAVIANCE SERVICES PVT. LTD	•UVJ
•CG COREEL	•GOAN INST. OF	•MINDTREE	•SEVANA ELECTRICAL	•VANENBURG
•CHAYOWO GAMES	•GOAN INSTITUTE OF	•MPHASIS	•SHRIRAM GROUP	•VERBICIO LABS PVT LTD.
•CHEMICALS LTD,MAHARASHTRA	•GODREJ INFOTECH	•MRF	•SHRIRAM VALUE	•VERIZON
•CITRIX SYSTEMS	•GOQII	•MULTUNUS	•SIEMENS	•VGUARD
•CITY LIGHTS, DUBAI	•GREY TECHNO LABS	•MUTHOOT	•SITEL	•VIDYATECH
•CLAYSYS TECHNOLOGIES	•HCL INFOSYSTEMS	•MUZIRIS SOFTTECH	•SITMOBILES	•VIJYA ENERGY PLUS
•CMC LTD	•HCL TECH	•N R SWITCHNRADIO	•SIX DEE TECHNOLOGIES	•VVDN
•COGNITEL	•HEXAWARE	•NEST	•SLASH SUPPORT	•WELD CRAFT
•CONVERGYS	•HINDUJA GLOBAL	•NEXT EDUCATION	•SMARTNERAM	•WINS INFOTEK
•CORAL BUSINEES SOLUTIONS	•HINDUSTAN ORGANIC	•NIPPON TOYOTA	•SOFTWARE LABS SOLUTIONS	•WIPRO
•CORDIANT	•HONEYWELL	•NOBEL SOFTWARE	•SONATA SOFTWARE	•WIPRO BPO
•CORDYS SOFTWARE	•HP	•NOKIA SIEMENS NETWORK		•WRENCH SOLUTIONS
•COREEL	•HSBC	•NUVENTO SYSTEMS		•YOKOGAWA INDIA LTD
	•HUWAEI			•ZERONE TECHNOLOGIES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

APPROVAL OF RESEARCH CENTRE

CSE Department Research centre is recognized by Kerala Technological University (KTU) from 2018 academic year onwards. Dr. Arunkumar M. N. is an approved research supervisor of KTU and Visvesvaraya Technological University (VTU), Belgaum, Karnataka. Research scholars can do their Ph.D in Computer Science and Engineering in Department Research Centre which will ensure the publications in quality journals indexed in SCI/SCIE/SCOPUS/Web of Science. The centre will also promote industrial collaborations of R & D projects. Ms. Hansa J. Thattil and Ms. Anitha T. Nair of CSE department is currently doing their research under the guidance of Dr. Arunkumar M. N.



7TH NATIONAL CONFERENCE ICE FOSS'19



ICEFOSS is a Free and Open Source Software Conference organized by FISAT Free Software Cell (FFSC). ICEFOSS 2019 was held on 19th and 20th of February 2019. It was the seventh edition of this conference. With more than 150 participants from various colleges in Kerala, ICEFOSS 2019 was a highly successful event. The conference was inaugurated by Mr. Sunil T. T., a Free Software enthusiast and the Principal of College of Engineering, Attingal. He gave a one-hour talk on "Introduction to FOSS". The conference boasted of four 1-day workshops and one 2-day workshop. A project exhibition by sixth semester Computer Science and Engineering Students was also conducted during the Conference.

INAUGURATION OF FISAT CONSULTANCY SERVICE

The inauguration of FCS - Fisat Consultancy Services was done by Mr. Hassum Jacob, Head of Digital Enterprise Unit, Tata Consultancy Services, Japan on 11th February 2019. Mr. Hassum Jacob is the advisory board member of CSE department from 2016 onwards. He appreciated the facilities of the department, and motivated students to effectively utilize the best opportunities to become a good professional with experience by actively participating in various opportunities offered by FCS. Fisat Consultancy Services is intended to build innovative opportunities for students. It includes services

like UI/UX design, mobile applications, web design and development, graphic design, application software development and workshops.

After the inauguration, there was a technical session by the honorable chief guest, Mr. Hassum Jacob. His speech on 'Digital Technology – Insider's view' gave a thorough outlook to the world from a different perspective. He discussed about the similarities and differences between Japan and Kerala in professional activities. His speech through light on technological innovation that has created an opportunity for learning and growing together.

TCS WORKSHOP ON AGILE TECHNOLOGIES

Ms. Roopa Nair, TCS Agile Ninja coach conducted a workshop on 'Agile Technologies in Software Development' on 9th May 2019. 120 students from CSE department attended the workshop.

WORKSHOP ON MOODLE

Mr. Mahesh C, Asst. Professor, CSE Dept conducted 'Workshop on Moodle' on 8th February 2019. Around 30 faculty members from various departments participated. Moodle was reinstalled and reconfigured in server recently.

VISIT TO KOCHI MUZIRIS BIENNALE

As part of 'Design and Engineering' a subject in the second semester, students of CSE were taken to the Kochi Muziris Biennale on 29th February 2019. Sixty three students and faculty members including Dr. J.C. Prasad (HOD, Computer Science and Engineering department), Mr. Jiby Varghese, Mrs. Sruthy Suresh, Mrs. Shimy Joseph and Mr. Gismon Alias were also a part of visit to Aspinwall, which housed the major installations of this art exhibition.

The theme of this year's Biennale was 'Possibilities of a Non Alienated life'. There were a lot of installations from various Indian and foreign artists that allowed the students to witness and comprehend different cultures and art from across the globe.

The visit had an overwhelming response from the entire group of students and faculty who were a part of this journey and it surely had provided a wonderful experience to all.

TALK ON COMPUTING REVOLUTION

An Invited talk by Dr Alex Aravind on "Computing Revolution: Multiplication to Multicore" was organized by the dept. on 20th July 2018 in association with ACM, CSI & Thyra. The talk was given for Post Graduate as well as UG students of Computer science engineering. The event was chaired by Mr Paul Mundadan, Chairman, FISAT. Dr Alex Aravind is currently a Professor in the Department of Computer Science at the University of Northern British Columbia (UNBC), Canada.

KTU SPONSORED FACULTY DEVELOPMENT PROGRAMME ON "MACHINE LEARNING"

A five day Faculty Development Programme on "Machine Learning" was conducted from 23rd July to 27th July 2018 in association with Kerala Technological University (KTU) to introduce several fundamental concepts and algorithms for machine learning. The programme received an overwhelming response with nearly 30



internal as well as external participants. The main objective behind organizing this FDP was to make the faculty members understand the basics of machine learning algorithms, techniques and their applications and to enhance their teaching skills with deep knowledge. This Faculty Development Program was intended to provide hands on experience on various machine learning tools by which a faculty can guide their students in developing innovative projects that meets the need of the industry. Technical Sessions were handled by Dr. Sreeraj M , Mr. Mahesh C , Mr. Pankaj Kumar G and other external resource persons.

FACULTY DEVELOPMENT PROGRAMME ON "DESIGN AND ANALYSIS OF ALGORITHMS"

A seven day Faculty Development Programme on "Design and Analysis of Algorithms" was conducted from 8th December to 15th December 2018. The programme provided a basic introduction about the concepts in Algorithm Efficiency, Mathematical analysis for Recursive and Non - recursive algorithms, Brute Force, Divide and



conquer methodology, Greedy strategy, Dynamic Programming & NP problems. The entire sessions were handled by Prof. Anil Kumar S, Assistant Professor, Department of CSE, Government Engineering College Painavu.

WORKSHOP ON CYBER SECURITY AND ETHICAL HACKING

FISAT Consultancy Services (FCS) an initiative of CSE Department FISAT, conducted a two-day workshop in the CCF lab about "Cyber Security and Ethical Hacking" on 9th & 10th March, 2019. The workshop was lead by Sreehari CP, Certified Ethical Hacker as well as the student head of FISAT Consultancy Services. The workshop received an overwhelming response of 65 participants which includes 35 participants from other colleges belongs to includes different branches and 30 participants from FISAT residing in different branches. The workshop included introduction and familiarization of different hacking tools of KALI Linux and provided a hands-on experience for the participants. A challenging CTF was introduced to participants to enhance their competence and team spirit. First prize of Rs1000/- was awarded to Gautham Krishna and Jibin George (FISAT), Second prize of Rs900/- was awarded to Shemin Anto and Shreyas Kumar (FISAT), Third prize of Rs300/- was awarded to Amita Ajay and Hridya

Soman (FISAT). Technical assistance for the workshop was provided by Rishad P an active core committee member of FISAT Consultancy Services. The volunteering activities was done by Nikhil Thomas, Anagha Zachariah, Vysakh, Saurav NS. The closing ceremony was conducted by Dr. Prasad J C [CEO FCS], Sreehari CP [COO FCS] Mrs. Chethna Joy and Mrs. Hansa J Thattil [staff-in-charge FCS].



HUMANITARIAN ACTS IN THE TIME OF DEVASTATION: KERALA FLOODS 2018

Members of the Dept. of CSE, FISAT expressed their commitment to the society during the unprecedented flood in Kerala in August 2018. Staff and students of CSE Department led the relief and aid activities in many places right from the start itself. The staff members collected an amount of Rs.100000/- and it was given as an interim relief to our staff members who were affected in the natural calamity. Also the staff members contributed three days' salary to the distress relief fund of Chief Minister, Kerala. Apart from this the students from CSE Department collected and distributed relief materials including portable water, blankets, daily use plates, packed food, medicines etc. to the people in flood affected areas in Paravoor. The staffs and students, in association with NSS, joined in the survey undertaken by Local Self Government Department, Kerala, to assess the flood damage and losses suffered by the flood-hit families. The students went to Nedumbassery and Mookkannoor Panchayath to survey the flood-ravaged homes. Also the students along with the staffs, in association with NSS, participated in the rehabilitation operations after the calamity, in Chakkolas Colony, Angamaly. They helped in cleaning, painting and rebuilding of damaged houses as a commitment to the society through their humanitarian values.

WORKSHOP ON ANDROID DEVELOPMENT

Under the initiative of FISAT Consultancy Services(FCS), a one day workshop on Android development was conducted on 1st February 2019 at Mtech lab.Sreehari C.P,the student head of FCS , who led this workshop ,received an overwhelming response of 15 participants from first,second and third year of Computer Science Department. The workshop covered the basics of the platform Android Studio and other platforms.

RECRUITMENT TO FCS ANDROID GROUP:

By the end of the workshop, students were asked to develop an Android application of FCS, which was a criteria for recruitment to FCS. Based on their performance students were filtered for HR interview. FCS team members- Binil Kuruvila Joseph, Anagha Zachariah, Sreehari CP, R.Vysakh conducted HR and TR interview. The tasks and overall performance of the participants were evaluated by Rishad, and the top students based on their marks scored in the above procedure were recruited to FISAT Consultancy Services.

INTERNSHIP

CSE Dept organised two internship programs this year i) Machine learning internship, ii) Web development internship. Internship was offered by Mr. Pankaj Kumar, Asst. Professor, Dept of CSE. The students were encouraged to do a minor project during internship. During the Machine learning internship program, students were given training on ML libraries and introduced concepts of regression, clustering and classification. During the web development internship activity, students were given training in HTML5, CSS Javascript, Bootstrap, Flask etc.

WOMEN HACKATHON

Women Hackathon was conducted on 19th and 20th of February 2019. Around 32 students from various colleges participated and it was a highly successful event.

On the first day, Mr. Jestin Joy, Asst Professor in CSE Department welcomed the participants and delivered a talk on 'Free and Open Source Software'. The benefits of Free and Open Source Software over Proprietary software, Basic Git commands were discussed during the session.

On the second day, Python and flask framework was taught by Mr. Adam Shamsudheen. The participants created a tiny web app using it. This session was concluded with a talk on Convolution Neural Networks by Dr. Sreeraj M, Asst professor in MCA Department

THYRA - INVITED TALK

THYRA - The Student Association of Computer Science Department conducted an Invited Talk by our Alumni, Mr. Anand J (Software Engineer at DELL EMC) on the topic "Storage, Life at Dell and Interviews". Anand J was able to capture the attention of the audience by telling them how huge the "storage" field is in the industry and how it is beyond the usb's or hard disks we carry. He was able to expand our perspective on the job opportunities we are offered by giving us ideas of the various fields still left to be explored by people. By the end of the session, all the attendees were equally glad to have been enlightened by such a wonderful resource person who took out the time to be with us, despite his tight job schedule. The session ended with a key piece of advice by Dr. Prasad JC (HOD, CSE DEPT) on the importance of grabbing the opportunities given to us, no matter how tough it is to achieve the end goal, because opportunities once gone never comes back.



An MOU has been signed with RED HAT
LINUX ACADEMY on November 26, 2018



FACULTY ACHIEVEMENTS DOCTORATES AND AWARDS

Dr. Jyothish K John, Assistant Professor (Senior Grade) was awarded Ph.D. in Computer Science for his Thesis 'Router Policies to Improve QoS for Real Time Transfers in Internet' from Noorul Islam Center for Higher Education (NICHE) Kanyakumari, on 24th October 2018. He was promoted as Associate Professor on 01/3/2019.



Dr. Paul P. Mathai, Assistant Professor was awarded Ph.D. in Computer Science for his thesis 'An efficient datamining algorithm based on item, set's frequency of priority using distribution model' from Noorul Islam Centre for Higher Education (NICHE) Kanyakumari, on November 2018. He was promoted as Asst Professor (Senior Grade) on 01/3/2019.



Mr. Jestin Joy, Assistant Professor, won Second prize for Poster Presentation held at ACM Compute2018 at Punjab Chitkara University, Chandigarh.



He is also selected as Co-Principal investigator Funded Research Project by CeDS, Trivandrum on May 2018.

STUDENT ACHIEVEMENTS



1. **Ms. Nandini Menon (S6 CSE B)** is awarded as **the outstanding sports person of the year 2018**, by APJ Abdul Kalam Technological University, Kerala.
- Individual Champion at the KTU Inter-College Table-Tennis Tournament held at CET, Trivandrum in the years 2016, 2017 and 2018.

- Represented Kerala State in the South Zone National Ranking Table-Tennis Tournament held at Vishakhapatnam, Andhra Pradesh in 2016.
 - Captain of the KTU Table-Tennis Women Team in the years 2016, 2017 and 2018
 - Winner in the Mixed-Doubles Category in the Inter-District State Championship representing Ernakulam District in the years 2016, 2017 and 2018
 - Bronze Medal in the National Junior and Youth Table-Tennis Championship in the category Youth Girls Team Championship held at Durgapur, West Bengal in 2017
 - Runner-Up in the Women's category in the All Kerala Open State Ranking Table-Tennis Tournament held at RSC, Ernakulam in 2018.
 - Represented Kerala State in the South Zone National Ranking Table-Tennis Tournament held at Vijayawada, Andhra Pradesh in 2018.
2. Anagha Zacharia and Fathima Salim (S6 CSE A) became runners up in the D-zone intercollegiate chess championship organized by KTU
 3. Mr. Ajay Diji of 2017 admission CSE, Participated in the KTU South Zone Basket ball tournament at SRM college chennai, in the year 2018
 4. Mr. Ajay Diji and Mr. Joe Meleth of 2017 admission CSE, won third prize in the inter-zonal basket ball tournament at Mohandas College of Engineering in the year 2018
 6. Mr. Nikhil Mathew (S4 CS B) and Mr. Zacharia Joshy (S6 CS B) won second prize in 'idea Pitching' competition held at T K M Engineering College as part of Technical fest 'EVOKE'19'
 7. Mr. Aswin Kumar K S, Abijith and Dilip Vijayakumar (S6 CS A) presented a paper titled 'cartoonisation of images' in National conference at Viswajyothi college of Engineering, Muvatupuzha
 8. Mr. Jerin Jayaraj (S6 CSA) and Paul (S6 CS B) presented a paper titled 'peer to peer file sharing systems' at National conference at Viswajyothi college of Engineering, Muvatupuzha

FACULTY PUBLICATIONS

Name of Faculty	Article Title	Name of Journal / Conference
Dr. Prasad J C	Tracking Illicit Drug Dealing and Abuse on Social Media Using Multimodal Analysis	International Research Journal of Engineering and Management Studies (IRJEMS)
	Flood Monitoring and Prediction Using Phylogenetic Tree Generation System based on UPGMA method for Kerala: A prototype Tool for Decision Assistance	International Dam Safety Conference - DIP 2019
Dr. Arun Kumar M N	Computer Aided Detection of Clustered Microcalcification: A Survey	Current Medical Imaging Reviews
	Artificial terrain generation for computer games from user description	International Conference on Artificial Intelligence and Machine Learning (IAIM2019)
Dr. Paul P Mathai	Taming of RESULT Prediction Based on IQ and EQ	International Journal of Current Engineering & Scientific Research
	Dual Sentiment analysis using Convolutional Neural Network	Journal of Advanced Research in Dynamical & Control Systems
Jestin Joy	Developing a bilingual mobile dictionary for Indian Sign Language and gathering users experience with SignDict	Assistive Technology
	SignQuiz: A Quiz based tool for learning fingerspelled signs in Indian Sign Language using Automatic Sign Language Recognition	IEEE Access
Siyamol Chirakkarottu	Image encryption using chaotic maps and DNA cryptography: A comparative analysis	Journal of Advanced Research in Dynamical & Control Systems
Pankaj Kumar G	Artificial terrain generation for computer games from user description	International Conference on Artificial Intelligence and Machine Learning (IAIM2019)

DEPARTMENT OF CIVIL ENGINEERING

MOU SIGNED BETWEEN FISAT & KSREC



The department of Civil Engineering signed an MoU with Kerala State Remote Sensing and Environmental Centre (KSREC) on 18 December 2018. The MoU was signed by Dr. Reghunatha Menon, Director KSREC and Dr. George Issac, Principal, FISAT in the presence of Dr. Paul Mundadan, Chairman, Dr K SM Panicker, Director, Dr. C Sheela, Vice Principal and Mr. Unni Kartha G, Head of the Department. This MoU will enable the students and faculty to learn and collaborate in the various activities of KSREC for making meaningful interventions in resolving societal issues and resource management at various levels of governance. This is the first agreement that KSREC has initiated formally in the state.

Dr. Paul Mundadan, Chairman, Governing Body of FISAT, remarked that this collaboration will facilitate and add to the social activities undertaken by the campus in Mookkannoor and Angamaly region. Dr. Suresh Francis, Scientist, KSREC, Dr. Sunny Kuriakose, Dean also spoke on the occasion.

NIRMAN 2K19

NIRMAN 2K19, the joint venture of the Department of Civil engineering and Builders Association of India(BAI), Angamaly Centre, brought forth a novel theme this year on *Nava Keralam* and hosted it during 8th and 9th March 2019 at CSA Hall, Angamaly.



NIRMAN provides a platform for beneficial interactions among construction industries, builders, trade visitors, professional, students and the public. Over 25 innovative stalls were set-up and saw near 2000 visitors during the two day event. The expo was inaugurated by Sri. Roji M. John, MLA, Angamaly. The keynote address was delivered by Sri. Paul Mundadan, Chairman, FISAT and was followed by a special address by Smt. M.A. Gracy Teacher, Municipal Chairperson, Angamaly.

Mr. Paul.T.Mathew, State Chairman BAI, Mr. Charles Thayyil, Chairman, BAI Angamaly, Mr. Johnson K.A, Convener, Dr. George Issac, Principal, Dr. C Sheela, Vice Principal, Dr. K.S.M Panicker,

Academic director, Dr. Sunny Kuriakose, Dean, Students Affairs, FISAT attended the inaugural event. Mr. Sachin Jacob Paul, Treasurer, FISAT, ASCE member and Practitioner advisor Er. Johncy K Sam and Mr. E K Rajavarma, Management Committee Members were also present on the occasion.



The Guest of honour was the renowned sculptor, Sri. Prem Adoor, Chief sculptor and Art director of Green planet, Dubai. Technical talks were conducted for students on topics: Ready mix concrete by Sri. Sreekumar Menon, Trittech, Thrissur, Planning and designing by Dr. Josna Raphael, Associate Professor, Department of Architecture, Govt. Engineering College, Thrissur, Insurance in construction and work man compensation by Mr. Dinesh Varrier, and a technical talk on Reinforcement bars by Mr. Akhil Raj, Marketing Director, METCON Steel.

Mr. Unni Kartha G, Head of the department, FISAT, Ms. Jiji Anthony, Ms. Rinu J Achison, Mr. Sreerath S, Assistant Professor, FISAT and student coordinators Mr. Elvin Roy and Mr. Marvin Mathew were the pioneers who steered NIRMAN 2K19 to success.

ASSOCIATION OF CIVIL ENGINEERS (ACE)



2018-19 was a very active year for ACE, the student association of the department of Civil Engineering. The following events were held during this period.

- Technical talk on dam safety by Adv. Russell Joy, Activist
- Technical talk on structural dynamics and earthquake engineering by Er. Suresh .S, Chartered Structural Engineer and Partner Associated Structural Consultants, Kochi

EVENTS IN PHOTOS



CONSILIO 2K18 - Exhibition of the Design projects



Technical talk on Ergonomics by Mr. Manoj Thomas, Regional Lead, TCS Kochi



Technical lecture on cement by Mr. Sebin Jose, Assistant General Manager, Heidelberg Cement India Ltd



FDP ON DESIGN OF STEEL STRUCTURES

The Department of Civil Engineering, FISAT in association with Association of Civil Engineers (ACE) organized five day faculty development program on "Design of Steel Structures" from 16 to 20 July, 2018. The FDP was inaugurated by Mr. Paul Mundadan, Chairman, FISAT. Dr. C K Prasad Varma Thampan, Retd. Prof., NSSCE, Palakkad was the chief guest for the inaugural ceremony. The other resource persons of the FDP were Mr. Biju V, Assistant Professor, College of Engg., Trivandrum, Dr. Babu Narayanan, NIT, Suratkal, Dr. Aravind H Bhashyam, Professor, Christ University, Bangalore, Mr. Anoop Baby, Business Development Manager, Marvel Structures Chennai and Dr. Syed Jalaludeen Shah, Professor, MES, Kuttipuram. A one day hands on training on the software, TELKA and site visit to He-man Robopark enhanced the profundity of FDP. A total of 38 participants from 16 colleges and 2 participants from the industry attended the event.

ADD-ON COURSE ON BUILDING PLANNING AND DRAFTING- IMAGINATION AND BEYOND

The Department of Civil Engineering, FISAT in association with Association of Civil Engineers (ACE) organized an Add-on Course on Building Planning and Drafting "Imagination and Beyond" during the first and second week of July, 2018. The Course spanned 10 days with 20 student participants. The sessions were led by Mr. Unni Kartha G., Mr. Sreerath S and Ms. Lidiya P. M, faculties from the department. Based on the continuous assessment of students throughout the sessions and their final project, the course had two toppers Mr. John Joseph (S2 CEB) and Mr. Juval Joy (S2 CEB). Dr. George Issac Principal Fisat awarded the prize and certificate for the toppers.



THROW BACK FISAT- FIRST ALUMNI MEET



The very first alumni meet of the department of the department of civil engineering - named #Throwbackfisat, was held on 23 March 2019 in the campus. The event was presided over by Dr. George Issac, Principal, FISAT and Mr. Unni Kartha G, Head of Department, Department of Civil Engineering. Ms. Rinu J Achison and Ms. Gayathri Krishnakumar were the department faculty coordinators of the event. A total of 10 alumni attended the event.



SITE VISIT TO CHAMPAKKARA BRIDGE

A site visit was conducted on 16th march 2019 to Champakkara Bridge, near Vytilla, Kochi. The Students of sixth semester civil engineering attended the visit, accompanied by faculty from the department. Champakkara Bridge is the longest span bow-string bridge in Kerala, being constructed by KMRL.



SITE VISIT TO ZUARI CEMENT FACTORY

On 6th April 2019 a teaming consisting of 24 students and 4 teachers of the department of civil engineering visited the Zuari cement plant, Wilington Island, Kochi near Ernakulam Wharf. The fully automated cement plant provided a unique opportunity to students.



STUDENT ACHIEVEMENTS

Krishnanja K S (2015 Batch)

The student of S8 won the prestigious CP Prize, national skill development corporation's training programme, thereby being awarded the scholarship worth Rs 25,000. Reaching this milestone was by no means, an easy feat competing with students of equally high aptitude from other parts of Indian sub continent vying for the same prize.



Amritha U. (2015 Batch), Apsara S Baijiu, Gayathri S Kumar M Km (2018 Batch)

The TEAM FISAT- volleyball, has won the Dr. Pradeep P. Thevannor memorial All Kerala Intercollegiate volleyball tournament hosted at SCMS.



M. A. HARIKRISHNAN (2016 Batch)

- KTU-D Zone winner for basketball (October 2018)
- Third position for basketball at KTU Interzone all Kerala tournament (October 2018)
- AISAT cup winner for basketball (February 2018)



APSARA S BAIJU (Batch 2018)

She secured the second position in the event, KTU-D Zone volleyball tournament organised by APJ Abdul Kalam Technology University in the year 2018.



RIA MARIAM SABU, VISHNUDATHA.V, SURJITH.V.R

They secured the 1ST prize at zonal level in PERFECT HOME, an event conducted by Mathrubhumi and Malabar cements at Kaloor stadium, Ernakulam. They also participated at the state level conducted at Govt. Women's college, Vazhuthacaud, Trivandrum. The team secured 1ST prize in the Idea Hunt competition held as a part of the Tech Fest



conducted by Ilahia College of Engineering and Technology, Muvattupuzha.

ERINA P JOSHI (2015 batch)

She secured the first prize for essay writing competition on the topic "Lane discipline in India" conducted as part of the CEA fest organised by the department of civil engineering, IIT Madras which was held on 9th March 2019. She has cleared the Common Corporate Qualifier Test conducted by TCSION and has also secured an A grade in an online course on climate change COP+24, offered by IARC in collaboration with UNFCCC.

MILTON. K. MARTIN, POOJA JOY, PRIYA DAVID, SREEHARI. R

A team of four students (Milton, Pooja, Priya, Sreehari) of final year B-tech Civil Engineering batch guided by Ms. Gayathri Krishna Kumar, Assistant Professor, Department of Civil Engineering, attended the 1st National Conference On Recent Trends In Architecture and Civil Engineering towards Energy Efficient and Sustainable Development (NCACESD 2019). The team presented their paper "Review on Experimental Study of Flyash and GGBS based Geopolymer and its comparison with Country Burnt Brick" as a part of their Final year project.



ANZIL AMEEN NOUSHAD (2015 batch)

Got qualified for GATE 2019

STUDENTS QUALIFIED FOR GATE 2019 (Batch 2014-2018)

- Sarath S.
- Shalini M. P.
- Maryann Stephen
- Parvathy S
- Sreelakshmi A. R.
- Sruthy Venugopal
- Susan Maria George
- Ajin Jacob
- Alphy Christo Thomas
- Beema Beevi Jaleel
- Gayathri R
- Geethu Maria Joseph
- Gopika Vinayakumar
- Jishnu V. Mohan
- Jobin Jose
- K. S. Anjali
- Krishna K. Das

FACULTY PUBLICATIONS

Dr. Unni Kartha G (Head of the Department)

- ❖ Development of Low Cost Systems for Structural Health Monitoring
Firzeena Firoz, M.Tech Student, Department of Civil Engineering, FISAT, Mahesh C, Assistant Professor, Department of Computer Science Engineering, FISAT, Muhammed Noufal, Assistant Professor, Department of Electrical and Electronics Engineering, FISAT, Unni Kartha G, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Dr. Nidhi M. (Assistant Professor, Department of Civil Engineering)

- ❖ Critical Reviews On Topology Optimization Of Reinforced Concrete Structural Members
Sreevidhya V, Mtech Student, Department of Civil Engineering, FISAT, Dr. Nidhi M., Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018
- ❖ Preparation And Mix Proportioning Of Fly Ash Based Geo Polymer Mortar
Anjana Soman, M.Tech Student, Department of Civil Engineering, FISAT, Dr. Nidhi M, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Ms. Jiji Antony (Assistant Professor, Department of Civil Engineering)

- ❖ Acoustic Insulation With Cement Mortar By Adding Natural Coir - Fibre
Joel John, M.Tech Student, Department of Civil Engineering, FISAT, Jiji Antony, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Dr. Asha Joseph (Assistant Professor, Department of Civil Engineering)

- ❖ Investigation On Buckling Behaviour Of Anchored Steel Tanks
Deepthi Stephen, M.Tech Student, Department of Civil Engineering, FISAT, Asha Joseph, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018
- ❖ Non - Linear Static Analysis Of Welded I - Beam To Box - Column Connections Using Finite Element Method
Muhammed Shahid P. T, M.Tech Student, Department of Civil Engineering, FISAT Asha Joseph., Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Ms. Beena B. R (Assistant Professor, Department of Civil Engineering)

- ❖ Mix Design Optimization Using Particle Packing
Arun M, M.Tech Student, Department of Civil Engineering, FISAT, Beena B. R, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Ms. Nincy Jose

- ❖ Study On The Mechanical Properties Of Fly Ash - Ggbs Based Geopolymer Concrete
Sreelakshmi S. B, M.Tech Student, Department of Civil Engineering, FISAT, Nincy Jose., Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Mr. Jawahar Saud S. (Assistant Professor, Department of Civil Engineering)

- ❖ Assessment Of Preparedness And Mitigation Level Of Coastal Residence- Ernakulam
Chippy M. Rajan, M.Tech Student, Department of Civil Engineering, FISAT, Jawahar Saud S, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018
- ❖ Storm Surge and its Effect – A Review on Disaster Management in Coastal Areas,

Civil Engineering Research Journal (CERJ), Vol 4, Issue 5, Chippy M. Rajan, Jawahar Saud S.

Mr. Abin Thomas (Assistant Professor, Department of Civil Engineering)

- ❖ Evaluation Of Surface Bond Strength Between Self Compacting Concrete And Conventional Concrete
Rhea Unnikrishnan, M.Tech Student, Department of Civil Engineering, FISAT, Abin Thomas, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018
- ❖ Experimental Evaluation On Compactability On Ground Granulated Blast Furnace Slag For Greener Self Compacting Concrete
Kavya Pillai, M.Tech Student, Department of Civil Engineering, FISAT, Abin Thomas, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018
- ❖ Analysis Of Compressive Strength Of Concrete And Self Compacting Concrete By Partial Replacement Of Fine Aggregate With Crumb Rubber
Akshay K. M, Arjun A, Chitra Suresh, Jesly Jayan, Student, Department of Civil Engineering, FISAT, Abin Thomas C. A., Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Ms. Akshara S. P (Assistant Professor, Department of Civil Engineering)

- ❖ Lime And Glass Fibre To Enhance The Performance And Healing Capacities Of Self Healing Concrete
Yeswanth M. M.Tech Student, Department of Civil Engineering, FISAT, Akshara S. P, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Ms. Neeraja Nair (Assistant Professor, Department of Civil Engineering)

- ❖ Numerical Investigation Of Rc Beams Subjected To Blast
Akhila S, M.Tech Student, Department of Civil Engineering, FISAT, Neeraja Nair, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018
- ❖ Numerical Investigation Of Steel Cabin Subjected Into Internal Explosion
Misha P. Kumar, M.Tech Student, Department of Civil Engineering, FISAT, Neeraja Nair., Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Ms. Reshma Prasad (Assistant Professor, Department of Civil Engineering)

- ❖ Fracture Study On Glass And Polypropylene Hybrid Fibre Reinforced Concrete
Bindhiya S. Menon, M.Tech Student, Department of Civil Engineering, FISAT Reshma Prasad., Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Ms. Resmi K. N (Assistant Professor, Department of Civil Engineering)

- ❖ Study On Mechanical Properties Of High Performance Concrete Incorporated With Cenosphere
Aparna Sasi, M.Tech Student, Department of Civil Engineering, FISAT, Resmi K. N., Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

Mr. Sreerath S (Assistant Professor, Department of Civil Engineering)

- ❖ Study On Effect Of Self Curing Agents In High Performance Concrete
Gopika Gopi, M.Tech Student, Department of Civil Engineering, FISAT, Sreerath S, Assistant Professor, Department of Civil Engineering, FISAT, SECON' 2018

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

ISA TECHNICAL CONCLAVE

Electronics & Instrumentation department in association with International Society of Automation(ISA)- Bangalore Section conducted a Technical Conclave on Future in Automation. Dr. Sunil Shah, President of ISA Bangalore Section, S. R. Venkatapathy Director, Trinity Advisory Corporation, Mr. Sukumaran M, Principal Consultant , Automation at IndustriConnect Technologies Pvt Ltd., Mr. Renukprasad Belgur, Management Expert & Business Mentor and Mr. Ravi Balakrishnan, Executive Committee member Principal, Dr. George Issac, dean Students Affairs, Dr. Sunny Kuriakose inaugurated the function



LEPTON TALK SERIES: CAREER GROWTH IN "IT" FIELD

The seminar by Mr. Alen Rintoul, Director of Vonnue innovations Pvt Ltd was held on 22nd Feb 2019 for the students of EIE. He has worked in a number of reputed companies like Cannon, Prcosysetc and his area of expertise is digital image processing. He explained about that learning is a continuous process and must be dealt with passionately to have a successful career, especially in IT field.



WORKSHOPS

IOT & Robotics: A five day Students Internship Program on "IOT & Robotics", In association with PACE lab was conducted from 23/7/2018-27/7/2018 for S5EIE students. Mrs. Beenu Riju & Mrs. Sreevidya P coordinated the event.

Recent Trends in IOT, LabVIEW, Verilog

A hands-on workshop on Recent trends in IOT, LabVIEW and Verilog was conducted for students of S7EIE from 25/07/2018 to 01/08/2018. The IOT session on Arduino was handled by Ms. Raji P, Ms. Anila Mathew and Ms. Ambily John. The Lab VIEW sessions for the next two days were conducted by Mr. Anish Mathew and Ms. Renu G. The fabrication of ICs and Verilog HDL session was introduced to the students by Ms. Shruthi Bhaskaran and Ms. Lakshmi Nandakumar.

PCB fabrication using proteus & Aries

One day Student's workshop on PCB fabrication using proteus & Aries was given to S1EIE students by Mr. Joseph P Joseph and Mr. Nidheesh K.S, under the leadership of Mrs. Sreevidya P & Mrs. Beenu Riju on 30/11/2018



IOT & Robotics (Internship) Include:- Fusion 360, Latex workshops, Day at FAB



PCB Fabrication using Proteus & Press



CONSULTANCY WORK

Mrs. Sreevidya P & Mrs. Beenu Riju designed a 3D model of Mobile Crematorium & gave suggestions for automating existing stationary Crematorium for Hi-Tech Crematorium Pvt Ltd



ALUMNI MEET UP

An Alumni meet up was arranged by the department to reminisce the old times. This golden opportunity was also utilized to have a discussion about the future development planned by the department & also to get valuable suggestions from our alumni on improving the employability & student competency.



ALUMINI INTERACTION

Mr. Vishnu S Menon was a student of 2011-2015 batch of EIE. He is now working with the **Indian Navy as Sub Lieutenant** and was awarded as the best pilot from his training school. He detailed to the students the importance of



instrumentation in avionics and also shared his work and college experiences on 26th July 2018.

Mr. Hariprasad is an alumnus of FISAT; EIE graduated in the year 2012. He is currently in merchant navy. He shared his work experience and the scope of instrumentation in shipping industry

Mr. Ihjas Muhammed & Mr. Sharath.K.K who are currently working in **VVDN & TCS** respectively interacted with the S1EIE students during the month of October. They emphasized about the "Future of Instrumentation & The role of Instrumentation Engineers. They are 2014-2018 pass out students

FACULTY ACHIEVEMENTS DOCTORATES

Dr. Anish Mathew, Faculty of Electronics & Instrumentation, has been awarded Ph.D for his thesis "Control Of Ideal Hypothetical Quaternary Reactive Distillation Columns" from National Institute of Technology, Calicut.



Ms. Lakshmi Nanadakumar score 83% (Topper 2%) for the course introduction to machine learning conducted by IITK. She also mentored 17 students for introduction to machine learning and received Appreciation certificate from NPTEL for getting 100% pass for mentees.



Mr. S. Sundararajan was a resource person at the workshop on 'Power Electronics & Control System Simulation using MATLAB' for the students of Govt. Polytechnic College, Cherthala.

Dr. Abi Mathew was a resource person for APJKTU sponsored FDP on "Implementation of virtual instrumentation in Control Robotics & Mechatronics" at Musaliar College of Engineering & Technology, Pathanamthitta on 17th January 2019

Mrs. Anila Mathew mentored students for NPTEL course on "Introduction to IOT". She also secured a score of 76% for the same course

FACULTY RESEARCH PUBLICATIONS

Sl. No	Name of Faculty	Title	Journal/conference details	Month & Year	Index
1	Mrs.Beenu Riju	Data Presentation using Virtual reality	IEEE 2018 International conference on circuits and systems in Digital Enterprise technology at Saintgits college of Engg., Kottayam	Dec 2018	Scopus
2	Mrs. Sreevidya P	Data Presentation using Virtual reality	IEEE 2018 International conference on circuits and systems in Digital Enterprise technology at Saintgits college of Engg., Kottayam	Dec 2018	Scopus
3	Mrs. Sreevidya P	Despeckling of ultrasound images using decimated wavelet packets with adaptive clustering	IET journal of Image Processing	Oct 2018	SCI
4	Mr. Anil Johny	Classification of imbalanced data using machine learning algorithms for minority class	National seminar on Advances in scientific and industrial instrumentation, CUSAT (ASCII-2018)- 14-16 February 2018	February 2018	
5	Mrs.Honey Devassy	The non uniform characteristics of a photodiode	International Advanced research Journal in Science, Engineering and Technology, Volume 5, Issue 1,	January 2018	others

STUDENTS ACHIEVEMENT:

- Mr. Akash Anil of s4EIE won silver medal in National Kick Boxing Championship held at Pune during the month of March 2019
- Anamika Jismon, Rahul S, Eldho George, Mohammed Afshan were funded Rs 3,500 by Kerala State Council for Science, Technology and Environment (KSCSTE) for their project 'Smart **Organic Waste Dispenser** 'with Ms.Sreevidya P as principle investigator.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KSEB ENGINEERS ASSOCIATION 10TH SEMINAR SERIES

The KSEB Engineers Association conducted the college level competition of its 10th Seminar series at FISAT on 15th March 2019. The event conducted aimed to improve academic and industrial relationship in engineering. The event was conducted by the KSEB engineers association (CEEBA-Center for Excellence in Engineering and Business Administration) and the IEEE Power and Energy Society (PES) Kerala chapter.



The event had great participation and a good volunteering team. There were 7 teams of two participants which included students from Second Sixth and Eighth semesters. The topics for the seminar included current issues faced by the power sector in Kerala. Topics were: IOT Devices, implementation in Power Sector- Leveraging

its Benefits; Big Data and its impacts on Power Sector; Integration of Renewables- Concerns and Issues; Energy storage technologies- Future of Utilities. The judging panel consisted



of three members from KSEB and Surya Susan Alex, faculty FISAT.

All the teams performed well and were praised for their efforts. The first position was bagged by Ben Mathew Peter and Devaki Rajesh. Second position was awarded to Resha Regi M and Megha Shaju. The third position won by Basil Alias and Geevar K Sojan. All the three teams were selected to participate in the following district



level competition held at CUSAT. Certificates were awarded to the winners and participants during the closing ceremony by Ms. Parvathy R, Head of the Dept. EEE. The event

closed with feedback from students, organizing member Ms. Veena Wilson and vote of thanks.

AUTODESK INTRODUCTORY SESSION

An introductory session on Autodesk CAD software was organized by ELECTRA- Students Association, Department of EEE on 5th March 2019. The program was intended for 8th semester students of EEE department. It was conducted by Mr. Viju Antony from BIM IT training institute. The session focused on acquainting students with contemporary softwares that are being made use of, in the industry. It helped us bridge the gap between our curriculum and the industry. It gave us insight into skills required for employability. The session concluded with feed back and questions from audience.

NAUTILUS 2K18

Nautilus 2018, Inter College Tech fest, organized by FISAT was held on 05th and 06th Feb 2018. Department of Electrical and Electronics Engineering conducted various events in accordance with the envisaged programmes of Nautilus.

The major competitions were Bug master, Light it up, Kurukshetra and paper presentations. Kurukshetra and bug master was conducted on 5th February and the other events were held on 6th February.

With the increasing popularity of robotic combat sports such as Robo wars and Battle of Bots, Kurukshetra attracted a huge audience that made the event extremely successful. A total of eight teams from various colleges participated in this event, which was conducted at south quadrangle.

Bug master was held at power electronics lab. This was aimed at unwinding the skills in circuit debugging and was conducted in four levels and five teams participated in this event.

To unleash the wiring wizard in students, the event Light it up was organized, seventeen teams participated in this in the four level competition and this was held at electrical workshop.



Paper presentation competition was conducted at power electronics lab with an aim of promoting green energy. A total of 6 teams presented various ideas for implementing the green ways in energy production and conservation.

Exhibitions play an important role in the technological avant-garde, bridging the gap between the technology in today's world and that of the common man. Thus, the Project expo included various projects carved out by the students focussing on building a wireless home. The wireless home comprises of various technologies that simplify the human efforts. This included bluetooth controlled fan, voice-controlled lights, irrigation system using GSM module, smart bathroom, IOT based door controlling system etc. The other attractions of the project expo were low cost 3D printer, VU meter designed as a tower, Tesla tower and 8 bit ALU circuit.

The department won the prize for best exhibit. The icon stall of the event comprised of a model that portrays the way we light up the world. The whole event was a great success and we received a lot of positive feedback from participants.

ILUMINAR 2K18

The Electrical and Electronics Department of FISAT had organized its Project Exhibition Iluminar 2K18 on 13th April 2018. The students of eighth semester participated in this event. It was arranged in the Auditorium and started at 10 AM.

The exhibition featured the following Projects:

- ❖ Home automation
- ❖ Driver safety
- ❖ Reading aid for visually impaired
- ❖ IOT monitored and controlled commercial 3D printer
- ❖ Voice controlled home appliances
- ❖ Led driver and wireless brightness control
- ❖ Amphibious drone, Trainable robotic arm
- ❖ Smart multi meter glass
- ❖ Automatic stock handler for pharmacies
- ❖ Helping hand for physically challenged
- ❖ Intelligent traffic control system
- ❖ Single phase to three phase converters and motor drive applications
- ❖ A navigation system for the visually impaired
- ❖ D-STATCOM
- ❖ Security surveillance using IOT
- ❖ Intelligent accident detection and rescue operations with ambulance.



The students and teachers from various departments visited the exhibition and interacted with the participants to understand more about the projects. The exhibition was evaluated by Mr. Anto Vargheese, Testing engineer Strands Energy Ltd. Three awards, Edison Award for best innovation, Accomplishment award for completion of project in marketable way and Poster Excellence Award for best poster were distributed in the closing ceremony of event. Vice principal Dr. C Sheela, Dean student affairs, Dr. Sunny Kuriakose, HOD of EEE Department Mrs. Parvathy R and all teachers from the department were present in the closing ceremony.

The event was concluded by 3.30 PM. This exhibition was a great success in its innovative ideas, presentations, time management and that of knowledge sharing. Projects that were exhibited gave solutions to many social problems and could bring in more ideas and opportunities to fore front.

Dr. APJ ABDUL KALAM ENERGY QUIZ-2018

APJ Abdul Kalam Energy Quiz, an inter college quiz competition, conducted in FISAT organised by the KSEB Engineers Association (KSEBEA) was held on 21st Nov 2018. The event witnessed enthusiastic participation of students from around fifteen colleges.

There were thirteen teams with two participants each making it a tough battle to win. Mr. Anil Kumar was the quiz master for the event. Rules and regulations of the quiz were explained at the beginning. The quiz was conducted in a very interactive way. The format of the quiz was interesting with several rounds including objective rounds, audio visuals and so on which kept the students engaged throughout. The questions were interesting, informative and covered topics from various domains of engineering, general knowledge, current affairs and the entertainment sector such as cinema, songs etc.



A new methodology was introduced known as the 'POUNCE AND BOUNCE' which made the competition more tight and thrilling. Students showcased their brilliance by rapidly answering the questions which put up a tough competition for the opposing teams. The audience also had a chance to participate each time the teams answered incorrectly.

Saintgits college of engineering, Kottayam won the competition followed closely by FISAT and NMIT, Kasaragod. It was a very exciting and enriching experience for the participants as well as the audience. KSEBEA encourages such positive competitions and hopes to bring out the best in students through such competitive events, while ensuring that the children learn through all possible ways- not just through books and classroom teaching.

The event turned out to be a great success, thoroughly enjoyed by the participants as well as the audience.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CENTRE OF EXCELLENCE IN ROBOTICS AND IOT

The Centre of Excellence in Robotics and IoT was established in the year 2014 under the aegis of Centre for Continuing Education, FISAT. The center has been successful in conducting three national level workshops for faculty in association with IIT Bombay. The center is identified as a Nodal center for project eYantra by IIT Bombay and upgraded as an eLSI lab in 2016. The major research areas of the center are Robotics, IoT, AI, ML and Sensor fusion.

PROJECT E-YANTRA

Project e-Yantra is an initiative to spread education in Embedded systems and Robotics by IIT Bombay sponsored by Ministry of Human Resource Development through the National Mission on Education through ICT (NMEICT). This project was conceptualized by Prof. Kavi Arya and Prof. Krithi Ramamritham of the Department of Computer Science and Engineering at IIT Bombay.

E-YANTRA IDEA COMPETITION 2018

As part of this initiative, an Idea Competition called the eYIC 2018 was conducted by IIT Bombay. Eighteen teams were selected as winners within specified categories. FISAT bagged the award in the "Most Realistic" category for our project "Disease Diagnosis Machine". Those students got the opportunity to visit IIT Bombay for a ten day workshop on Innovation and Entrepreneurship, which only twenty students from all over India were allowed to attend.



PARTICIPATION OF STAFF AND STUDENTS IN ICT ENABLED TEACHING AND LEARNING

1. Sixteen faculty members of ECE attended one day FDP on IoT- Trends and Challenges by TCS on 4th Dec 2018.
2. Seven Faculty members of ECE attended three day basic course on Transactional Analysis by ICTA from 5th to 7th Dec 2018.

3. Nine faculty members of ECE attended one day FDP on "Tools to aid online and Blended learning" on 12th Dec 2018.

ECHO ASSOCIATION ACTIVITIES

Electronic and Communication Heuristics Organization (ECHO) is an in-house organization under the guidance and support of Electronics and communication engineering department. It is the forum for technical discussions and has been actively organizing various technical events and competitions every year, which has received good participation.



1. AGNITIO 2K18 : A Technical fest conducted on 11th April 2018
2. Three day training on C Programming for second year students of ECE (2016 admission) was conducted on 23rd, 24th and 26th July 2018.
3. Inauguration of ECHO day activities and talk on IoT - Trends and Challenges associated with TCS and ISTE chapter FISAT on.
4. ECHO in association with Byju's Think and Learn conducted a seminar on the topic "Career Avenues in India and Abroad" on 11th march 2019.
5. Mobile making and IoT workshop on 15th and 16th March 2018 for 6th semester ECE students



HOBBY CLUB ON ELECTRONICS

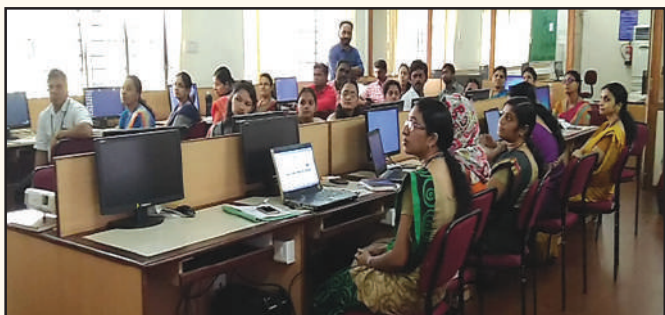
Another innovative venture by the department is the Hobby club on Electronics. The Club aims to provide students a platform and resources to gain practical skills and realize projects. The emphasis is on experimenting and learning. No experience is necessary to join the club.



Second Year ECE Students with their LED Dancing circuit.

DEPARTMENTAL ACTIVITIES

1. Faculty development programme (FDP) on "Tools to aid online and blended learning" on 12th Dec 2018.



Participants listening to lecture

2. Design project Expo 2k18 conducted on 28th Nov 2018.
3. Workshop on "Introduction to Python" on 9th Feb 2019 for 4th Semester B.Tech Students (2017 admission).



4. FDP on IoT - Trends and Challenges associated with TCS and ISTE chapter FISAT on 4th Dec 2018.



5. Five days KTU Sponsored Faculty Development Programme on Robotics and IoT- A Promise to the Modern Era was conducted from 16th July to 20th July, 2018.



6. Five day Workshop on Robotics and IoT for students of ECE (2015 admission) from 6th July to 12th July 2018.
7. Alumni Interaction with student of S8.



Mr. Anand Paul (2013-2017 batch) delivering a talk.

8. 5 day FDP on Robotics: Platform, Algorithms & Techniques offered by Center and IoT in association with Dept of ECE and TCS from 16th July to 20th July 2018.



INDUSTRIAL VISIT

Final year students of ECE went for a one day Industrial Visit to LED Division of KELTRON, Kozhikode and three day trip to Chikmanglur.



Final year ECE-B in front of KELTRON, Kozhikode



Final year ECE-A in front of KELTRON, Kozhikode

ALUMNI MEET 2019



Alumni Meet of ECE Department was conducted on
16th March 2019.

STAFF ACHIEVEMENTS

Dr. Anil Kumar M N was approved as a research guide by APJ Abdul Kalam Technological University.



Ms. Ambily A R, Asst. Prof., ECE, secured 2nd rank in Ph.D entrance examination 2018 and started Ph. D programme at APJ Abdul Kalam Technological University



Ms. Neena K A and Ms. Dhanya S, Asst. Profs., ECE, started Ph.D programme at APJ Abdul Kalam Technological University after qualifying Ph.D entrance examination 2019. Both of them are pursuing Ph.D under Dr. Anil Kumar M N, Assoc. Prof, ECE Dept.



STUDENT ACHIEVEMENTS



❖ Athira S of FIFTH Semester Electronics and Communication Department (2016 admission) secured Outstanding Grade for all subjects (10 SGPA) in 3rd and 4th Semester B.Tech Degree APJ Abdul Kalam Technological University Examination.

❖ Akhil Roy of 6th semester (2016 admission) secured 3rd prize in APJ AKTU Interzone athletics Javelin throw competition



❖ Noel Mathew John, Leyol M L, Jessmol Paul and Lakshmi Varma N of final year ECE under the guidance of Ms. Dhanya S has been granted financial assistance of Rs. 5000 by Kerala State Council for Science, Technology and Environment (KSCSTE) for the project entitled, "Tracking people using CCTV and attendance monitoring system" during the academic year 2018-19.

❖ Four students from M.Tech Communication Engineering and 7 students from M.Tech VLSI and Embedded Systems were selected for internship in reputed companies.

❖ Final year students of ECE Department received 107 offers in various companies till date.

❖ Aiswarya Gopinath and Hrishikesh Rajan of third year ECE (2016 admission) abended internship at TCS.

LIBRARY AND INFORMATION CENTRE

1. Library orientation Programme was conducted for newly joined teachers and students.
2. IEEE - IEL online E-journal training was conducted for Engineering faculty members in association with EBSCO, Bangalore.



3. Essay writing competition was conducted for students on 'Teachers day 2018' in the topic of "Teaching and education in today's era of digital world".

4. A collaborative step with the Rolling stone; the Literary association of FISAT organised poetry writing competition for the students.
5. Conducted the NPTEL online courses.
6. In-depth training for management faculty as well as Students about EBSCO HOST E-journal platform was delivered.



DEPARTMENT OF MECHANICAL ENGINEERING

INVITED TALK ON HOW TO ENGINEER YOURSELF

The Students Association of Mechanical Engineering (SAME) arranged a session for the students on 5th November 2018. The Invited talk on "How to Engineer yourself" was conducted by Dr. Prasad Krishna. He is the recipient of Kirsloskar Gold medal, Sir M Visveswarya Memorial Prize and many more prestigious accolades, is the professor of Mechanical Engineering and Dean of National Institute of Technology Karnataka, Surathkal. Prof. Dr. Krishna has more than 34 years of experience in a large variety of



mechanical sectors. and is also a trainer of spiritual practice under system of "Heart fullness meditation".

After the session a memento was handed over to the chief guest by the Dr. K S M Panikkar, director of academics after which the chief guest distributed ASME EFX certificates to the lead volunteers. The program concluded at 1:05 pm with a vote of thanks by Midhun Suresh (Chairman, SAME). The seminar organized by the SAME and conducted by Dr Prasad Krishna truly served its purpose, making the students all set to face their academics and engineering life.

Excerpts from the programme:

The programme commenced at 11:00am with a prayer by Krishna Prakash, the SAME secretary. The welcome speech by the principle Dr. George Issac at 11:00 am was followed by the Keynote address by the chairman Mr. Paul Mundadan. He began his seminar about holistic approach for stress reduction by a small talk about equality and about everyone being the same. He talked about the importance of engineers and the role they

THE HUMAN POWERED VEHICLE CLUB

The Human powered vehicle club operating under the Department of Mechanical Engineering, FISAT is a club with the vision of revolutionising the human powered transportation.

The club was established in 2018 after a team of mechanical engineering aspirants competed in the ASME Human Powered Vehicle Challenge in 2017 held at LNMIIT, Jaipur and achieved respectable position in the competitions. The team has become the 2nd team from Kerala ever to compete in HPVC. After the formation of the Human powered vehicle club, the club is now getting ready to compete in the ASME HPVC 2018 held in DTU this year.

The team which represents the college at the event the only team from Kerala to qualify for the HPVC main events in consecutive years. The team aims at building a faster, safer and greener human powered vehicle that can make long distance transportations as simple as using an automobile. Team SATWAN participated for NPVC, E-FEST Also Practise Region conducted by ASME at VIT, Vellore and secured 3rd position for the endurance race & 6th position overall out of 41 teams.



play in the present scenario, quashing all the negative ideologies towards engineering. Prof. Krishna gave a brief insight about the various opportunities available to engineers, taking examples from his own life experiences. Prof. Krishna explained the importance of "understanding oneself". He pointed out that one should find time to explore themselves, between their tight schedules. A person who can understand their own heart.

ASME EFX FISAT



The American Society of Mechanical Engineers (ASME) organized its one-day technical event EFX at the Federal Institute of Science and Technology (FISAT). The event was organized to bring the excitement, community, innovation and vibrant experience of an ASME Engineering Festival, to engineering students at local colleges and universities around the world.

The program consisted of various interactive sessions and workshops with industry experts such as Prashant Dhawan, founder of Biomimicry Lab India, Sandith Thandassery, CEO Navalt Solar and Electric Boats, Sunder Raman Mohan, General Manager Siemens India and Viswa Mohan Senior Manager Bosch India.



ASME EFX FISAT was officially inaugurated at 11am. The dignitaries on the dais were Mr. P Vijayan IPS, Mr. Sanith Thandassery (CEO, Navalt Solar and Electric Boats), Dr. KSM Panicker (Director, FISAT), Mr. Madhukar Sharma (President, ASME India), Dr. Jose Cherian (HOD, ME), Ms. Erin Dolan (ASME International), Mr. Siddharth Jadeja (SRA ASME Asia Pacific), Mr. Viswa Mohan (Senior Manager, BOSCH India), Mr. Prashant Dhawan (CEO, Biomimicry India), Mr. Sunder Raman Mohan (General Manager, Siemens India). The lead coordinators for ASME EFX FISAT, Mr. Afan T Mohammed (Chairman, ASME FISAT) and Mr. Abhijith J Kumar (Zonal Representative, ASME India) were also seated on the dais.

BOSCH SESSION

The session with Mr. Viswa Mohan, Senior Manager Bosch India, discussed the idea of critical thinking that will enable students to better understand how technology improves the life of people through the case studies of Bosch, innovative modern technologies like Park Assist, IOT and much more.



The inaugural ceremony was followed by an inspiring talk on leadership qualities by Mr. P Vijayan, IPS. It was then followed with the keynote Session by Mr. Sandith Thandassery.



Talk by Mr. P Vijayan IPS



Talk by Mr. Sanith Thandassery

Some of the showcase events were:

A 3D Printing exhibition overseen by Mr. Sreenath Polackal, CEO EMI Product, showcasing the modern advancements that 3D Printing brings out to the modern era.



3D Printing Showcase (EMI Product)

With samples, 3D printed using the modern machines and other presentations, he was able to open the students' vision to countless possibilities in the field of technology.

A quiz on the automobile industry was conducted for all who were interested. The winners were given Rs 4000 and the runners up were given Rs 2000.

BIOMIMICRY SESSION



A session on biomimicry by Mr. Prashant Dhawan, the co-founder of Biomimicry India Lab and an influential TEDx speaker. He elaborated on how nature manages complex systems, manipulates colour and shape, augments the strength of certain raw materials, uses algorithms, distributes water and desalination of the procured water



A session on ASME's Human Powered Vehicle Challenge (HPVC) event by Mr. Sunder Raman Mohan, GM Siemens India.

He started off with a motivational speech about how a team works and the struggles it needs to go through to meet the interests of the fellow mates. The talk session included an explanation of technical terms, mechanism, specifications, and biometrics of the HPVC vehicle and rider. Safety instruments and gears used for the same were discussed as well.



HPV Session

The session on HPV Design was followed by the ASME SECD (Student and Early Career Development) session by Mr. Madhukar Sharma, President, ASME INDIA and Mr. Siddharth Jadeja, SRA ASME Asia Pacific.

The event started with the introduction to ASME Student and Early Career Development Sector and the council associated with it. The session also introduced the Early Career Engineer Programming Committee and the internship opportunities they have. He talked

about the interactive ASME online pages that cater to the queries and suggestions about ASME and the SECD Council. He highlighted upon the ASME Fests and discussed upon the various events conducted there, that includes the Human Powered Vehicle Challenge (HPVC), Student Design Competition, and Innovative Additive Manufacturing 3D Competition.

By 5:00pm, the event had wound to a close. Awards for the quiz competition were distributed during the closing ceremony. An Institute Plaque was awarded to Dr. Jose Cherian, HOD ME by Ms Erin Dolan.

The ceremony was concluded by a vote of thanks by Mr. Abhijith J Kumar (Lead Coordinator, ASME EFX FISAT)

Entertainment has always been the highlight when it comes to any event. To mark the end of the mega one-day event of ASME EFX, the evening saw some electrifying performances delivered by 'LA- SA-GU', musical band formed by a group of talented musicians of FISAT. The enthusiasm of the musicians was at its zenith as they performed various songs. The audience was enthralled by their performance.



LA. SA. GU Performance

GO KART CLUB

The go kart club operating under Department of Mechanical Engineering, FISAT is a club with a vision of revolutionizing the automobile industry. The main objective of this club is to prepare mechanical engineering students to participate in BAJA(Baja SAE is an intercollegiate design competition run by the Society of



Automotive Engineers (SAE)). The club was established in 2018 after a group of mechanical engineering aspirants created a fully functioning go kart named KARMA. The next stages planned by the students will bring about more advanced vehicles, fitted with superior technology.

NATIONAL SCIENCE DAY CELEBRATIONS - 2019

Focal theme : COMMUNICATING SCIENCE FOR ALL

The Department of Mechanical Engineering, Federal Institute of Science and Technology (FISAT) has organized various programmes marking the occasion of **National Science Day** on **28th February 2019**. The proposed programmes were designed to generate awareness among the students, academia and general public about the importance of National Science Day and the focal theme of NSD-2019.



Inauguration by chief guest, Dr. Sarith P Sathian, IIT Madras

Dr. Sarith P Sathian, Associate Professor, IIT Madras was the chief guest and he inaugurated the function. His introductory remarks about the relevance of national science day and the Nobel Prize winner CV Raman were informative and well applauded. Later on, he delivered the science day lecture based on the theme "communicating science trall."

Dr. Sarith P. Sathian in his lecture addressed the recent advances in technology and their convergence specific to Indian strategic sectors ranging from environment to space exploration and defence technology. Dr. Sathian emphasized on the latest trends in Science & Technology and also the challenges & opportunities faced by engineering education in general in the state of Kerala.



Science lecture by Dr. Sarith P Sathian, IIT Madras

He started his lecture mentioning the significance of Raman Effect and how this discovery is used in spectroscopy to identify different materials. He revealed the various areas of interest that could lead to India's prosperity like Artificial intelligence, neural networks, data mining, cloud computing and robotics. He also covered the recent developments in areas like Smart materials, Face recognition, Nano technology, Bio sensors, solar energy and Artificial Intelligence.



Dr. Sarith P Sathian honoured with a memento

SCIENCE QUIZ COMPETITION

A science quiz competition was held on 28th February for college students, marking the occasion of science day and the winners were felicitated and awarded certificates.



Science quiz competition

ESSAY WRITING COMPETITION

An essay writing competition for college students was held on 28th February, marking the occasion of science day and the winners were felicitated and awarded certificates. The topic for the competition was "Transportation and Communication in the future".



Essay writing competition

A total of 46 students registered for the competition and after an initial screening, 29 candidates attended the competition. A total of 9 students secured A grade in the competition. The list of candidates who have secured A grade in essay writing competition is given below.

- | | | | |
|---|-------------------|---|------------------|
| 1 | Blitz Francis | 6 | Asulabha Sathyan |
| 2 | Akash O. R. | 7 | Aadarsh Sathyan |
| 3 | Abhijith Chandran | 8 | Alan Baby Jacob |
| 4 | Anil Rajesh | 9 | Jithin Joseph |
| 5 | K Advait Krishna | | |

All these programmes were conducted successfully through the coordinated activities of Principal, Heads of departments, Teaching Faculty and students of our college. Our institution is indebted to KSCSTE, Thiruvananthapuram for their support to conduct such activities that make science reachable to different target groups.

STUDENT DESIGN COMPETITION CLUB



The Student design competition club or SDC club in short, is running under the department of Mechanical engineering, Fisat. The main objective of the club is to provide a fun filled opportunity for students to broaden their knowledge in fields like robotics, electronics, programming, mechanics, design etc.

A team of seven students took part in the Student design competition which was held as a part of the world famous Engineering fest (E fest) Asia Pacific, conducted by American Society of Mechanical engineers in 2017. The team name was 'Endurance'. We were the first runners-up for the competition. This marked the establishment of the club.

Endurance was the first team to participate in the E fest Asia Pacific from Kerala. The team was invited by ASME to participate in the finals of the Student design competition in Florida, USA in which we were successful.

Team endurance went on to participate in the SOC international competition as part IMECE 2017, at Team endurance secured tenth position for SDC, E-fest by ASME at VIT Vellore



SMRITI 2019

Department of Mechanical Engineering conducted the Alumni Meet **SMRITI 2019** on 23.03.19 at North Quadrangle of the college from 5:00 P.M. to 8:00 P.M. Dr. George Issac, Principal FISAT inaugurated the function, accompanied by H.O.D, Dr. Jose Cherian and



representatives of students from all pass out batches. From 75 online registrations 70 alumni participated in the alumni meet. Alumni assured their support and contribution of their choice and interest for betterment of institute as well as students. Office bearers were elected for the year 2019 – 2020. The musical night organized by 8th semester M.E students was highly appreciated.



ONE DAY PICNIC WITH MEMBERS OF NAZARETH ORPHANAGE

A one day picnic was arranged for the 28 members of Nazareth Orphanage Mookannoor on 04th January 2018. Mr. Anoob Jose, Assistant Professor ME and Mr Shyam J Pulickan were the coordinators of the programme. The visited the Cochin International Airport first and Lunch with Bishop Joseph Chakkiath and FISAT Chairman Mr. Paul Mundadan. Then a metro rail Journey was arranged for them from Alwaye to Cochin University.

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

The department of Science and Humanities involves teaching Engineering Mathematics, Calculus, Physics, Chemistry, Economics and Communication Skills connected with all the programmes offered by all other departments. The department provides assistance in technical projects. The department provides a language lab for the students to enrich their communication competence. It also aims to maintain good linguistic proficiency through accuracy in grammar, pronunciation and vocabulary.

Department of Science and Humanities has access to all streams of students irrespective of their subject specialization. It helps them mould the right attitude towards Mathematics, Physics, Chemistry, Economics and English. But when it comes to the sixth semester, these subjects are not dealt with and this is a serious handicap. Nevertheless the department offers remedial and reinforcement sessions. The well equipped language lab fosters competency in placement.

SHINOY GEORGE MEMORIAL LECTURE

The "Shinoy George Memorial Lecture " was conducted on March 22, 2019 to honor the memory of Mr. Shinoy George who served in the Department of Science and Humanities as Mathematics faculty from July 2013 to March 2018. Dr.C.Sheela, Vice Principal welcomed the gathering. Mr. Paul Mundadan, Hon. Chairman of FISAT presided the meeting and addressed the gathering.

Ms. Seena Varghese invoked the memories of Mr. Shinoy George who was an inevitable pillar in the Mathematics Department as well as in the activities of the Maths Club. Shinoy George Memorial Endowment Award for the most meritorious student in Mathematics was instituted during the meeting. Dr.C.Sheela, Vice Principal and the Head of the Science and Humanities Department handed over the endowment fund to the Chairman.

The chief guest, Dr.Aparna Lakshmanan S, HOD, Dept. of Mathematics, St.Xavier's College for Women, Aluva delivered the lecture on the topic 'Graph Labeling (Coloring) and its applications. The former quiz club members also attended the function. They shared their cherished memories and the services rendered by Mr. Shinoy George in the growth of Maths Club. The meeting ended with Ms.Unnimaya (Joint Secretary, Maths Club) proposing the vote of thanks.



TED x FISAT

TEDx FISAT was organised by Rolling Stone on October 16th, 2018. About 160 volunteers worked hard behind it. The TEDx License to conduct talks was attained by the sustained efforts of Sriram Sankar (Mechanical Engineering 2014-18) and Dr. Molly Joseph. About 10 speakers from various parts of the world gave speeches in different fields related to the topic "Breathtaking Disarray". There were 4 performances in between. TEDx FISAT talks are now being telecast in youtube and it renders FISAT a global visibility.



FACULTY ACHIEVEMENTS



Dr.Molly Joseph's third book in 2019, "Bird with wings of Fire" translation of Malayalam poems "അഗ്നിയിറക്കുള്ള പക്ഷികൾ" by Philipose Thattampally released at YMCA Hall, on April 13th 2019.



പോക്കുവെയിൽ വെട്ടങ്ങൾ
Pokkuvayil vettangal,
Malayalam book of poems
released on Women's
Day, , 8-,, 3- 2019 at CMS
College, Kottayam.

Padmasri. Shri Shyam Singh Sashi, renowned anthropologist, social scientist and worker, released the book "It Rains." Felicitation



were given by the ones occupying the dais, Mrs. Archana Ranjan, Writer, Mrs Uma Natarajan Poet and Mrs Meenakshi Natarajan, ex Member of Parliament, Mr. Manoj Krishnan, Founder of Asian Literary Society and Sudarshan Kcherry, CEO, Authors Press.

NPTEL COURSE ACHIEVEMENTS

During January- April 2018, total 214 students successfully completed different courses with 113 Elite certificates and 4 Elite+gold

FACULTY AND STUDENTS TOPPERS



Chirsty Jose (Asst. Prof., ECE)

Course - Ethics in Engineering Practice

Elite+Gold Certificate

(Topper of 1% in this course)



Gopika P M (Student)

Course - Developing Soft Skills

(Elite+Gold Certificate)

(Topper of 2% of this course)



Sowmya Xavier (Student)

Course - Geotechnical

Laboratory and Personality

(Elite+Gold Certificate)

(Topper of 2% of this course)



Athira S (Student)

Course - Introduction to

Programming in C

(Elite+Gold Certificate)

(Topper of 1% of this course)

❖ **Lakshmi Nandakumar**, Department of EIE, Course - Introduction to Machine Learning (Topper of 2% in this course)

❖ **Shirmy Joseph**, Department of CSE, Course - Problem Solving through Programming in C, (Topper of 5% in this course)

STUDENTS

1. **Alan Baby Jacob**, Department of ME, Course - English Language for Competitive Exams, (Topper of 2% in this course)
2. **Akhila Gokul**, Department of ECE, Course - Developing Soft Skills and Personality, (Topper of 5% in this course)
3. **Aiswarya R**, Department of ECE, Course - Developing Soft Skills and Personality, (Topper of 5% in this course)

Faculty members with top scores and Elite certificates (July-October 2018)

Sl No	Name	Department	Course
1	Anitha T Nair	Computer Science & Engineering	Problem Solving through Programming in C
2	Shirmy Joseph		
3	Jestin Joy		Introduction to Operations Research
4	Merin Cherian		Deep Learning
5	Anna Mariya Thomson	Electronics & Communication Engineering	Introduction to Machine Learning
6	Deepa N R		
7	Christy Jose		Switching Circuits and Logic Design
8	Nimmy M Philip		
9	Nithin Rajan	MCA	Developing Soft Skills and Personality
10	Raji P	Electronics & Instrumentation Engineering	Introduction to Internet of Things
11	Anila Mathew		
12	Lakshmi Nandakumar		Introduction to machine learni

January- April 2019

During January- April 2019, total 50 students successfully completed different courses, 43 students got Elite certificates.

Faculty members with top scores and Elite certificates (January-March 2019)

Faculty Members with Research and Administrative (January - March 2019)			
Sl No	Name	Department	Course
1	Deepa N R	Electronics & Communication Engineering	Embedded System Design with ARM
2	Anoop E G		
3	Sheelu Susan Mathews		
4	Jilu George		
5	Unni Kartha G	Civil Engineering	Effective Engineering Teaching In Practice
6	Raji P	Electronics & Instrumentation Engineering	
7	Anish Mathew K		Data Science for Engineers

EDITORIAL BOARD IMPETUS



MASTER OF COMPUTER APPLICATIONS (MCA)

The MCA programme in FISAT was started in 2006. The department offers a three year & a two year (lateral entry) programme with an annual intake of 120 students.

ASAP CENTRE OF EXCELLENCE



Government of Kerala has initiated the Additional Skill Acquisition Programme (ASAP) with the objective of tackling the issue of growing unemployment in the State. The Programme aims at equipping selected school/college students with skills in Communication, IT and selected areas of industry and service sectors. This would enhance opportunities for better career and employment prospects. FISAT is one among various Artificial Intelligence /Machine Learning Course Centres across Kerala. The programme manager for the centre is Ms.Karthika R. Dr. Sreeraj M. is the nodal officer. There are 14 students attending the classes. The classes are being held every Saturdays.

EXPERT TALK

The department of Computer Applications, FISAT organized an expert talk on 'Data Analytics for Wearable Sensor-based Health Monitoring by Dr. Gaurav Sharma, Professor Department of Electrical & Computer Engineering, University of Rochester on 27th February 2019.



The Expert session started with an inaugural session. Dr. Gaurav Sharma, Dr. Madhu .S .Nair Associate Professor, Department of Computer Science & Engineering CUSAT.

Dr.Madhu. S. Nair, Associate Professor, Department of Computer Science & Engineering CUSAT, gave an insight on Chancellor Chair of CUSAT & a brief introduction on the keynote speaker.

FACULTY DEVELOPMENT PROGRAMME

Department of Computer Applications conducted a Faculty Development Programme on "Data Analytics" in association with TCS is organized on 11th January 2019. Mr. Sujesh C, Enterprise Architect and Ms. Smibi M J, Business Analyst in Big Data Solutions group of Analytics and Insights unit, TCS were the resource persons. Faculty and students from Department of Computer Applications attended the FDP. The FDP was organized by Mr. Sujesh P Lal and Mr. Jomon M C.



WORKSHOPS

A Workshop on "A Practical Approach on Agile methodology" was organized by Department of Computer Applications in association with Opentrends Technologies, Infopark, Koratty on 3rd August 2018. Opentrends is a fast-growing IT company with services in mobile, web & portals, IoT, Chatbots & AI, Block chain, data insights etc. Department of Computer Applications has signed a MoU with Opentrends since 2017.

Faculty from different colleges participated and had hands on lab sessions. The sessions are handled by Mr. Timson Thomas, Android Team Leader, Opentrends. The workshop was organized by Ms. Senu Abi and Mr. Jomon M C.



INDUSTRIAL VISIT

S2 MCA Second Year Direct 2018 and S4 Regular 2017 batch students visited OpenTrends, Infopark Koratty, on 20th March 2019. Mr. Eric Mora Juan, Chief Operating Officer, OpenTrends addressed the students and delivered a session on "Introduction to Opentrends". Following topics Software Project Management, Software Testing, Mobile Computing, Front End and Back End Technologies were introduced by experts from OpenTrends.



AWARENESS OF HARDWARE COMPONENTS

Mr. Anoop M.S., S4 Regular MCA 2017 batch conducted a seminar on "Aware nes of Hardware Components" for MCA 2017 batch students on 19th March 2019. He delivered a session on the important parts of the computer system, how to assemble a computer system and software installation.



WORKSHOP ON LINUX INSTALLATION

Mr. Sujith M.R., Mr. Vishnu P.K., and Mr. Deepak Lal, S6 Regular MCA and Mr. Sanjo George, S4 Regular MCA conducted a workshop on Linux installation. Students from MCA Regular and Lateral 2018 batch were participants of the workshop. The main objective of the workshop was to share the knowledge on Linux installation and other softwares. The workshop was conducted on 1st April 2019 for S2 Lateral and 05th April 2019 for S2 Regular batch.



SOCIAL VISIT

Second Semester MCA Regular 2018 batch students arranged a visit to Vimala Bhavan, a Charitable Institution run by Missionaries of Charity at Mattancherry on 1st April 2019. Senior Mother of the institution guided them regarding the daily routine and various know how of the institution. A handsome amount was paid. Ms. Joice T, Assistant Professor and Mr. Nithin Rajan, Assistant Professor accompanied the students.



STAFF AND STUDENT ACHIEVEMENTS

Dr. Sreeraj M, Assistant Professor, won Second prize for Poster Presentation held at ACM Compute2018 at Punjab Chitkara University, Chandigarh.

Dr. Sreeraj M, Assistant Professor, has been selected as Co-Principal investigator Funded Research Project by CeDS, Trivandrum on May 2018.

S2 MCA 2018 Batch has bagged prizes in various events conducted in the intercollegiate techno & management fest "ZENORIX 2.0" held at Naipunya Institute of management and Information Technology, on 22nd February 2019.

Best IT Team First Prize Amal Joy, Abito Immanuel, Jibin Antony and Sebi Joseph (of S4 MCA Second year Direct, 2017 Batch)

Treasure Hunt First Prize Adarsh V, Joseph Paul, and Amal Babu, Second Prize Vinita Varghese, Anu Paul, Shahanas V S and Anjaly Roy

PC Doctor Second Prize Subin M S and Henric James

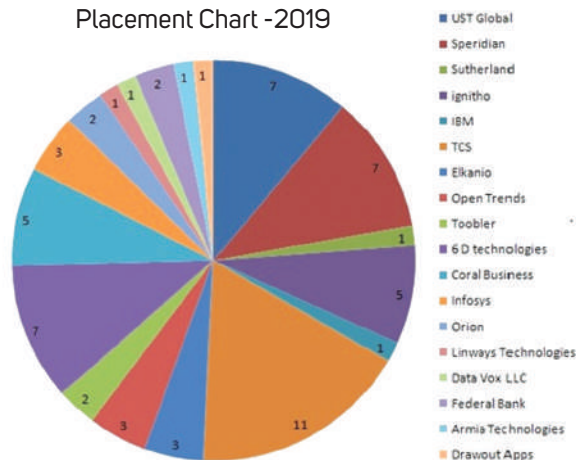
Riya Eldo and Rohit Joshy of S2 2018 batch won First Prize in Web Designing contest in INIZIO an intercollegiate technical fest organized by SNGIST, N. Paravoor held on 15th to 16th October 2018

PLACEMENT AND TRAINING CELL

The Placement and Training Cell of MCA Dept. is a team of vibrant Student representatives and staff. Our team of PTC is functioning in association with Placement Cell of FISAT. Systematic and professional training programmes are organized for students as part of PTC. The record of placement offers in MCA at FISAT is one of the highest among all the MCA colleges across the state. This year marked a tremendous growth in our placement statistics.

During 2018-19 academic year, students of MCA Regular 2016 and MCA Lateral 2017 batches achieved good placement. More than 90 placement offers have been taken up by our students in various reputed IT companies like TCS, UST, 6D, Speridian etc and banks like Federal Bank. This year the department conducted an intensive placement training program (14 days) for final year students led by two major consultancies- Mpower and Pragmatix. The placement and Training Cell, Department of Computer Applications is headed by Mr. Jomon M C, Assistant Professor.

Placement Chart -2019



MASTER OF BUSINESS ADMINISTRATION (MBA)

MOU WITH MALAYSIA UNIVERSITY OF SCIENCE AND TECHNOLOGY

Shri. Paul Mundadan, Chairman – FISAT signed MoU with Malaysia University of Science and Technology for initiating international business at FBS. This will enhance long term strategic tie-ups with the university and extend the territory of education. Dr. George V. Antony was instrumental in making this prestigious event happen.



WORKSHOPS

1. Session on 'How to read a financial daily'

Mr. George Mathew, Head- Business Standard has taken a session on 'How to read a financial daily' for MBA first year students on 18th July 2018.



2. FBS Lecture Series 2018

FBS Lecture Series 2018 on 'INDIAN CAPITAL MARKET - Contemporary legal and regulatory issues' was conducted by Dr. C K G Nair, Securities Appellate Tribunal member.



3. Workshop on 'Capital market'

A workshop on 'Capital market' was conducted by Ravi Jain, Manager and Regional Head, NSE Kochi and Mr. Deepesh, Assistant General Manager, SEBI Kochi on 9th November 2018.



4. Expert talk on 'Microfinance as development tool'

An Expert talk was proposed on "Microfinance as development tool" by Mr. Mohanachandran K R, retired Chief General Manager, Federal Bank.



5. National seminar on banking 2019

MBA students participated in the National seminar on banking on 18 February, 2019 conducted by State Forum of Bankers Club, Kerala. Shri G. Padmanabhan, Chairman, Bank of India and Former ED, RBI handled the session on "Future Ready Financial Sector – Issues and Challenges". Also, Mr. K P Padmakumar, Former Chairman, Federal Bank handled the session on "Autonomy of Reserve Bank of India".



6. Session on Industry 4.0

1st year MBA students numbering 119 had the privilege to visit Malaysia on March 19-22 for a study tour. They were able to attend two world class certification programs conducted by esteemed faculty of the Malaysia university of Science and Technology. Session conducted by Professor Dr. Premkumar Rajagopal was an introduction to Industry 4.0 and corporate governance. Industry 4.0 is a name given to the current trend of automation and data exchange in manufacturing technologies. It includes cyber-physical systems, the Internet of things, cloud computing and cognitive computing.



7. A Seminar on 'Upabhokta Samrakshana Niyamam Janananmaiku'

A Seminar on 'Upabhokta Samrakshana Niyamam Janananmaiku' was conducted by Mr. Prince Thekkam, Consumer Protection State President on 28th March 2019. He made the students aware of the provisions available for the establishment of consumer counsels and authorities for the settlement of consumers' disputes.



8. Placement training on 'Industrial Law' for HR students

Placement focused training on Industrial Law was delivered by Mr. Murali Nair, GM-HR, Tata Consultancy Services.

9. Session on 'Carrying out a Literature Review'

Dr Praveen Balakrishnan Nair, Associate Director of Learning and Teaching at the School of Social Sciences, Heriot Watt University, Malaysia gave a talk on 'How to carry out a literature review at Masters level' on March 12, 2019. The final trimester students of Batch 2017-19 were the participants. It served a very useful purpose in the preparation of their final project report.



CERTIFICATIONS OFFERED

1. Microsoft Office Excel 2016 certification: All first year students were successfully certified in Microsoft Office Excel 2016.
2. CIFRS (UK) certification : All first year students were certified in Certificate in International Financial Reporting Standards (UK). It will help the students to build the knowledge in IFRS for success in today's global business world.
3. Lean Six Sigma green belt certification training: Six Sigma Green Belt certification program was offered by KPMG to the students specializing in Operations.
4. NISM research analyst certification: Research Analyst Certification of National Institute of Securities Market (NISM) was offered to the students specializing in finance.

'FORUM 2k18'

All India management fest 'FORUM 2k18' was organized by team FBS on Nov 28th, 2018. It centers on an over-arching theme –

"Reconnecting Business and Nature" in the context of a new

paradigm that has emerged for businesses across sectors and geographies for sustainable development. Dr.Mittal, Member Secretary, AICTE inaugurated the event and actress Ms. Neetha Pillai presided over the Valedictory function.



WALKATHON & FLASH MOB

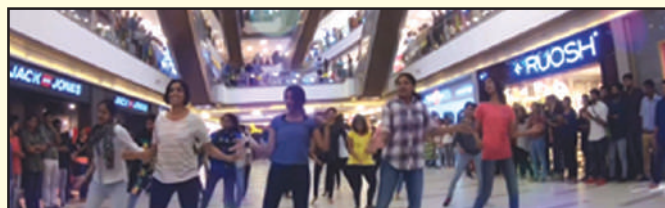
Walkathon organized at Kochi

As part of sustainable business ethics, FBS conducted a walkathon titled "Reconnecting Business and Nature: Free from Plastics" from



Marine drive to Durbar Hall ground, Kochi on November 24, 2018. South Indian cini artist Tini Tom inaugurated the walkathon.

FLASH MOB AT CENTRE SQUARE MALL



FISAT Business School organized a flash mob at Centre Square Mall, Kochi highlighting the theme 'Say no to plastics'. Around 200 students swayed to the music as the public gathered around and cheered them.

ACHIEVEMENTS & ACOMPLISHMENTS

- 1) Dr. George V Antony, Dean, FBS has been recognized as the Special Honorary Ambassador of IAAP, UK. He received the DEAN OF THE YEAR AWARD at the National Education Excellence Conclave on Aug 11, 2018. He received the EDUCATION PLANNER AWARD at the 2nd Asia Africa ICT and Development Summit on ICT attainment of UNSDG2030 in Asia and Africa on Dec 1, 2018. He also received the RASTRIYA SHISHA GAURAV PURASKAR at the National Research and Innovation Summit 2018 on Dec 21, 2018
- 2) Dr. Sindhu George was awarded PhD by School of Management Studies CUSAT in the topic 'Study on the perception and behaviour of retail investors towards mutual fund investment – a study among mutual fund investors in Cochin'.
- 3) 'Best Management Student of the Year Award 2018'



Mr. Raghav Swami nathan of FISAT Business School received the 'Best Management Student of the Year Award 2018' from Kerala Management Association at Le Meridien, Cochin.



INDUSTRIAL VISIT TO GOA

On 28th March 2019, final year MBA students numbering 80 visited Paul John distilleries, Goa as part of their final year



Paul John distilleries were started by Mr. Paul P. John in 2012. It was his maiden attempt to enter the world of single malt whiskies traditionally made in the UK.

PLACEMENTS

List of organisations that offered placements for students of FBS

Aditya Birla Retail	TCS	HDFC - AMC
Apollo Tyres	ESAF Bank	IndusInd Bank
Bandhan Bank	Eten Craft	KPMG
Burger Paints	Experion Technologies	Nukari.com
Byju's App	Federal Bank	Orel Technologies
S & P Global	Cult Fit	Wipro Enterprise

SCIENCE & TECHNOLOGY PARK AND RESEARCH CENTRE (SPARC)

MAJOR ACHIEVEMENTS

SPARC won "Best Performing IEDC Award" for the year academic 2017-18, which is constituted by Kerala Start Up Mission (KSUM). They signed MoUs with the following organisations:

- ❖ Avishkaar Labs, Pune.
- ❖ C- DiT, Trivandrum.
- ❖ Keltron, Trivandrum.
- Design Patent filed for "Automatic door closer" prototyped in fablab.
- Mobile Fablab won first prize in project exhibition conducted by Sacred Heart College, Thevara.
- Established Ministry of HRD Innovation Cell in our campus.
- Commenced the activities of Unnat Bharat Abhyan Cell (UBA) – Flagship program of Ministry of HRD.

ADDITIONAL SKILL DEVELOPMENT PROGRAMME

Additional skill development programme is being offered to public which aims to improve their knowledge in latest technologies. Technical staffs, students community, self help groups are the targeted group for this programme.



An additional skill training programme for School students held on 5th June 2018.

TECHNOLOGY POPULARIZATION PROGRAMME USING MOBILE FABLAB



Mobile Fablab is being used to popularize Science and Technology among school students and common people. Till date the Mobile FABLAB has visited more than 100 places.

WORLD SPACE WEEK 2018 OBSERVATION



SPARC community in association with Astro Club observed World Space Week (4-10 October) on 10th October 2019 at SHOHS Mookkannoor. Dr C Sheela, vice principal inaugurated the programme. Around 120 school students attended the programme.

SPARC TALK BY MR. SUDHEER MOHAN



Mr. Sudheer Mohan (Practise head for Mobility Quality Engineering, Wipro) delivered a Talk on the topic 'New Technology Enterprises' on 24th November 2018. More than 200 students attended the session.

SPARC MEET UP ON "HYBRID AND ELECTRIC VEHICLE"

The first session of SPARC Meet Up in "Hybrid and Electric Vehicle" held on 5th December 2018. Mr. B. J. Antony (Former Deputy Transport commissioner) Mr. Anandhakrishnan (Joint RTO, Angamaly) were the experts for the Meet Up. More than 50 students and staffs were actively participated in the programme.



SPARC TALK BY DR K. S. RADHAKRISHNAN



SPARC Talk on topic "GROW TOGETHER" was held on 13th December 2018. Dr. K S Radhakrishnan (Former Chairman Kerala PSC & Former VC Sanskrit University) was the speaker for the day. More than 200 teaching and non teaching staff attended the session.

WORKSHOP ON "INFORMATION SECURITY & ETHICAL HACKING"



As part of KTU TECH FEST 2019 a workshop on "Information security & Ethical Hacking" was held on 12th February 2019. Mr. Subash babu, *Associate member of Cyber safety & security standards* was the resource person.

WORLD ARDUINO DAY 2019



SPARC in association with FSDC community celebrated World Arduino Day 2019 on 16th March with Arduino workshop, Talks and hardware hackathon.



Mobile FAB LAB of FISAT secured the outstanding innovation award as a part of golden jubilee celebrations of SH college Thevara on 20th January 2019.



ACTIVITIES OF SWAN



World Environment Day

FISAT in association with Mookkannoor Grama Panchayath and Students of Nehru Memorial School endorsed their commitment to environmental protection by organizing planting of saplings on world Environment Day on June 5th 2018. Two thousand saplings in 30 varieties were planted as part of the observation of World Environment Day. Haritholsavam (green festival) was also celebrated in campus to give the message "Learn beyond lessons"



Distribution of sapling to the school Head mistress Sr. Jain Rose

PUNARJANI 2K18

In August 2018, Kerala witnessed the worst flood of the century. The unprecedented flood gave miseries to the people of Kerala. The socially committed stakeholders of Federal Institute of Science And Technology (FISAT) extended their helping hand to the victims of flood. The NSS Technical cell took the leadership of coordinating the FISAT flood rescue, relief and rehabilitation activities- "Punnerjani". They helped more than 1000 flood affected families in Ernakulam and Thrissur district. FISAT flood rehabilitation project "Punnerjani" has restored more than 200 houses in flood affected areas and constructed 3 new houses for flood victims.



The Key handing over ceremony for new houses was held on 23rd February 2019 at Edathodu Colony, Angamaly. **Sri. K Krishnankutty**, Honorable minister for Water Resources was the chief guest and **Sri. Roji M John**, MLA Angamaly Constituency presided over the ceremony. Dignitaries from local self governing bodies, FBOAES and office bearers of various social welfare forums were also present.

CLEANING ACTIVITIES



FISAT NSS technical has coordinated cleaning activities in the houses affected by flood in Angamaly Municipal Area, North Kutiyathode, south aduvaserry and chalakudy areas. 150 NSS Volunteers and 500 Non NSS volunteers have taken part in the cleaning drive from 19th august to 2nd September 2018.

FREE SERVICES OF EQUIPMENTS

FISAT has leveraged the facility of mobile Fablab to do free servicing for electrical and electronics equipments affected by flood. They camped at Angamaly from 31st August to 2nd September and serviced more than 40 equipments without charging any money.



CONDUCTED SURVEY AT NEDUMBASSERY PANCHYATH

The Student volunteers of FISAT have conducted survey for flood affected houses in Nedumbassery Panchayath on 9 & 16th September 2018. Around 250 students participated in this survey activity and they surveyed around 1000 houses.



Honouring ceremony at Edathodu colony , Angamaly



Honouring ceremony at Chakolla colony, Angamaly

Bharatham 2k19



Bharatham, a kaleidoscope of opportunities, is a perfect blend of Bhavam, Ragam, Thalam, Melam. Bharatham, a legacy engraved in the hearts of many, is the blood, sweat and tears of Fisatians who are dedicated to reaping success. It's leverage for a brand that targets the youth of today. This inter-collegiate fest showcased multifarious talents and a synergy of youths creativity.

On the eve of Arangu, an event was held to raise the curtains and showcase what is to be expected from the coming days and how the drama will unfold itself. It started off with a flash mob performed by the final year b.tech students to inculcate the sense of togetherness. Clad in different shades, about 200 students, grabbed the attention of viewers in the evening with their impressive performance. The Student's made the audience drown in the mesmerising feel and rhythm of Bhava Raga Thala Melam.

Moving on, next we had the breathtaking performance by FISAT college band, LaSaGu. The atmosphere was fairly intense with the team starting of with the most awaited Bharatham theme song. The melodies thereafter were at times very emotional with a sudden burst of excitement which may be an expression of unbounded happiness and fulfillment. Then we had the official inauguration of Bharatham 2k19 with our Chairman, Dr. Paul Mundadan, raising the curtain for its official release. Soon after we celebrated its launch with vibrant colors and the Bharatham flag flying high amidst all, conquering the hearts of Fisatians and making it all the more beautiful. All were engrossed in the awe-



inspiring excitement and anxiety that Bharatham brought us. The day came to an end with LaSaGu performing to the rhythm and mood of audience, tapping, dancing, and feeling our heartthrob.

BHARATHAM 2K19, the inter collegiate art fest was held on 6th and 7th February 2019. With over 2000 partici pants from around 90 colleges all over South India, Bharatham 2K19 surpassed all expectations. The theme this year was 'Reliving Traditions'. The decorations

around the college proved it, otherwise. From the painting of Theyyam to the creation of the promo video of BHARATHAM and many other creative ideas, the students of FISAT outdid themselves.

The 6th of February started with the vibrant and head banging EDM competition, TREMORS, which showcased zesty budding DJs, who entertained the audience and left the judges in awe. Also to keep the participants busy and on their toes, the students of FISAT, managed to set up over 35 fun events which made the days more



As noon approached, Tremors came to an end making way for the long awaited fashion show competition, TASHAN, to dominate the stage. The rampwalk started off with the host performance by the FISAT fashion team. The fire of passion for designing and modelling was then carried out by the competing teams exhibiting out of the box themes and fierceness, while maintaining the elegance and poise. Footloose - spot dance choreography, Mr. and Ms. Bharatham and Two to Tango - Split Screen dance competition, were some of the other main events that took place. As the day came to the end, the stage was set for CHOREONIGHT, the ultimate dance battle for the title. The stage was brought into life by the FISAT dance team, setting the benchmark with the host performance. The participating dance teams put out their best performances with amazing moves and breathtaking stories. As the first day came to a close, the well deserved teams were announced as the winners and were awarded accordingly.

The second day of BHARATHAM, began with RAGNAROCK which consisted of the performances of extremely talented college bands, whose passion for music was evident when they performed. As a way of welcoming the judges, audience and the participants, the FISAT college band, LaSaGu, performed first, serenading everyone with their soulful musical talent. The stage gave the participating bands an opportunity to play their original compositions. At the end of this musical treat, the judges surprised the audience with their performance. Voice of Bharatham and many other events were also held. As the main events came to an end, the college was preparing for the biggest event of Bharatham, PROSHOW. With over 2500 people settled in the college ground, the mood for the night was set. Pineapple Express, one of the major upcoming bands, were the first one to take on the stage. They portrayed themselves as a progressive fusion band, cooked into a tasty concoction with carnatic, rock, experimental, electronic & djent elements. They left the

colorful and filled with laughter. The FISAT College Radio kept the atmosphere around the college magical by allowing secret dedications and also amazing music. Various food entrepreneurs and few other educational companies set up stalls which gave them a chance to promote themselves and reach out to a wider range of audience. Those wanting a deeper Bharatham dive had the FISAT BIENNALE waiting for them. Artists from various colleges portrayed the long lived traditions and culture. Paintings of notable personalities added a charm to it. The modern yet unique styles of painting by different artists truly made an impression among the viewers.



audience tapping to their catchy songs and also singing along. The formal inauguration of Bharatham 2k19 was done by the 2016 National Film Award for Best Stunt Choreographer, Mr. Peter Hein and one of the famous cinematographers of Malayalam Industry, Mr. Shaji Kumar along with FISAT Chairman, Mr. Paul Mundadan, FISAT Principal, Dr. George Issac and many other dignitaries. A brief inspirational story from Mr. Hein was presented which taught the audience the power of dedication and the willingness to work hard. The formal inaugural function ended with the mementos being handed over to our special chief guests. For opening the EDM night, we had a special performance by The Lost Triplets, who gave the audience a taste of what the rest of the night holds. The Lost Triplets got the crowd moving to the tunes they played. Progressive Brothers, who are famous for their Sunburn concert and many other DJ events, were one of the main highlights of the night. The platform was set on fire as the Progressive Brothers put on one of the greatest shows that they had ever done. The crowd danced and jumped to the beats that were played. The DJs also gave us the privileged to groove to the song that was set to be released the following day. A selfie with the audience was the cherry on top.



And this way the astounding extravaganza came to an end making its audience leave in awe. Blessed with everyone's support BHARATHAM 2k19 was a huge success. It was a benchmark set for everyone to look upon. We cannot end this without mentioning the commendable effort and meticulous planning of our dear Anto Sir and Bharatham staff executive members. Bharatham 2k19 is the blood and sweat of Fisatians working day and night for its success. The Fisat Management committee members which include our beloved Chairman Dr. Paul Mundadan, Principal, Vice Principal, Academic Director, Dean student affairs, PTA members, the FISAT Student's Council and core committee members laid the foundation for Bharatham 2k19. The students embraced the team spirit and we owe its great success to every single Fisatian who contributed in the best possible way.

EXCELLING at FISAT THROUGH SCHOLARSHIP SUPPORT

Federal Institute of Science and Technology (FISAT) is the premier private self-financing professional colleges in Kerala that has the distinction of being a true game changer in the field of Engineering and Management studies in the state. Established in the year 2002 under the aegis of Federal Bank Officers' Association Educational Society, an initiative of Federal Bank Officers' Association, it has built a stellar reputation for educational excellence, raising the bar very high for the whole sector. The college is approved by All India Council for Technical Education (AICTE), accredited by NAAC with A Grade, an ISO 9001:2015 certified institution and affiliated to A P J Abdul Kalam Technological University, Trivandrum, Kerala

FISAT has brought a whole new educational culture modelled on academic excellence, Incubation, Entrepreneurship and high Salaried Placements in top brands of the nation, world class infrastructure and cutting edge research and innovation facilities, completely changed the rules of the game in private sector Engineering and Management education to emerge as one of the most respected and sought after technical education brands in Kerala.



* MCM Scholarships	228
* Fisheries Scholarships	1
* AICTE Fee Waiver Schemes	120
* M.Tech Scholarships	6
* Central Sector Scholarships	36
* FedBank Hormis Foundation Scholarships	4
* GATE Scholarships	1
* Special Fee Waiver Schemes	406
* FBOAES Scholarships	56
* AICTE Pragati Scholarships	2
* P V Mathew Memorial Scholarships	9
* Shaheej Memorial Scholarship	1
* K U Joseph Memorial Scholarship	1
* Ambusivadas Memorial Scholarship	1
* Hima Memorial Scholarships	2
* Vinaya S Menon Memorial Scholarship	1
* P V Mathew Memorial Ever Rolling Trophy for Elocution	1
* Vishnu Mohan Memorial Endowment Scholarship	1

TOTAL

FISAT in the MEDIA

ഫിസാറ്റിൽ സംസ്ഥാനതല ശിൽപശാലക്ക് തുടക്കം

● നാളെ സമാപിക്കും

അങ്കമാലി: ഫിസാറ്റ് എൻജിനീയറിങ് കോളജിൽ സംസ്ഥാനതല ശിൽപശാലക്ക് തുടക്കമായി. മൂന്നുദിവസത്തെ ശിൽപശാലയിൽ വൈദ്യുതി വിതരണ മേഖലയിലെ നൂതന സാങ്കേതികവിദ്യകളും ആവിഷ്കാരങ്ങളും പരിചയപ്പെടുത്തി. വിവിധ എൻജിനീയറിങ് കോളജുകളിലെ അധ്യാപകർ പങ്കാളികളായി.

കേരള ടെക്നോളോജിക്കൽ യൂനിവേഴ്സിറ്റിയുടെ സഹകരണ

ത്തോടെയാണ് ഫിസാറ്റ് പരിപാടി സംഘടിപ്പിക്കുന്നത്. ഐ.ഐ.ടി. മുംബൈ, ഐ.ഐ.ടി. റൂർക്കി, സി.ഇ.ടി. തിരുവനന്തപുരം, ടി.സി. ആസ്, കൽക്കി ടെക് എന്നിവിടങ്ങളിലെ വിദഗ്ദ്ധരും പങ്കെടുക്കും. ഇലക്ട്രിക്കൽ ആൻഡ് ഇലക്ട്രോണിക്സ് എൻജിനീയറിംഗ് വിഭാഗം മേധാവി പ്രഫ. ആർ. പാർവതി, പ്രോഗ്രാം കോഡിംഗ് നേതാവായ മുഹമ്മദ് നൗഫൽ തുടങ്ങിയവർ പരിപാടികൾക്ക് നേതൃത്വം നൽകും. വ്യാഴാഴ്ചയാണ് ശിൽപശാല സമാപിക്കുന്നത്.

നൂതനവിദ്യയുമായി ഫിസാറ്റ് വിദ്യാർത്ഥികൾ

സാനിറ്ററി നാപ്കിനുകൾ നശിപ്പിക്കാം സൂക്ഷ്മജീവിയായി

അങ്കമാലി: സാനിറ്ററി നാപ്കിനുകൾ ഉപയോഗശേഷം സൂക്ഷ്മജീവിയായി നശിപ്പിക്കാൻ ചെലവ് കുറഞ്ഞ നൂതനവിദ്യയുമായി ഫിസാറ്റിലെ വനിത അധ്യാപകരും വിദ്യാർത്ഥികളും. ഫിസാറ്റിലെ ഇലക്ട്രോണിക്സ് ആൻഡ് ഇൻസ്ട്രുമെന്റേഷൻ എൻജിനീയറിംഗ് വിഭാഗമാണ് പൊരുട്ടുമ്പിള ഇൻസ്പിറേറ്റർ നിർമ്മിച്ചത്. സാധാരണ ഇൻസ്പിറേറ്ററിനെക്കാൾ 70 ശതമാനം പുകശക്തിയോടെ വൈദ്യുതി ഉപയോഗം കുറയ്ക്കുമെന്നാണ് അർത്ഥം.

പോലും ഗന്ധം പുറത്തേക്ക് വരില്ല. എവിടെ വേണമെങ്കിലും ഇവ സ്ഥാപിക്കാനും ഉപയോഗിക്കാനും സാധിക്കും. 10,000 രൂപയിൽ താഴെ മാത്രമാണ് ചെലവെന്ന് പ്രോജക്ട് കോഡിംഗ് നേതാവ് പ്രഫ. പി.രാജി പറഞ്ഞു. സംസ്ഥാനതലത്തിൽ പദ്ധതി നടപ്പാക്കാൻ റിപ്പോർട്ട് ഉടൻ സമർപ്പിക്കുമെന്നും അവർ പറഞ്ഞു.

നൂതന കണ്ടുപിടിത്തം കാണാൻ കൊച്ചി കോർപ്പറേഷൻ മേയർ സൗമിനി ജയിൻ ബുധനാഴ്ച ഫി

സാറ്റിലെത്തി. ശുചിത്വ മിഷനുമായി ആലോചിച്ച് കോർപ്പറേഷൻ തലത്തിലും സംസ്ഥാനതലത്തിലും പദ്ധതി ആരംഭിക്കുന്നതിനേക്കുറിച്ച് ചർച്ചകളായിരുന്നു മേയർ പറഞ്ഞു.

അധ്യാപകരായ പി.രാജി, ഷൈ തോമസ്, വിദ്യാർത്ഥികളായ ശ്രോത ഉമേഷ്, ആർ.രോഹിത്, എൻ.ആർ. നുബാൻ എന്നിവർ ആറു മാസത്തെ ഗവേഷണത്തിനൊടുവിലാണ് സംവിധാനം വികസിപ്പിച്ചെടുത്തത്.

BREATHTAKING DISARRAY

TEDxFISAT Puts forth a 'Breathtaking Disarray'

Ernakulam waits in anticipation for the next exciting event in town, TEDxFISAT. An amalgamation of ideas, a potpourri of people coming together to celebrate the beauty in chaos, TED is an international non-profit organisation that aims to introduce new ideas, spark discussions and foster learning and TEDs are an independently organised TED event where live speakers come together to provide a unique experience for those in attendance. TEDxFISAT will be held at Federal Institute of Science and Technology (FISAT), Angamaly on October 16th 2018. More than 9 speakers from diverse fields and backgrounds and more than 3 performers will take the floor to share radical ideas with the world and to entertain and thrill the audience. With a theme 'Breathtaking Disarray' the event hopes to share volatile ideas across spatial and temporal barriers. The event that can host only a 100 attendees, promises an unforgettable experience. With more surprise speaker announcements in the bag, TEDxFISAT has already launched the ticket sales and the slots are filling in fast.

Swaminathan Pillai: The first visually impaired individual in his 75-year history to study in the London Institute of Printing, Mr. Swaminathan is a truly inspiring personality, who, overthrowing the barriers posed by physical impairment, carved a niche for himself in a world of oceans. The alumni of the prestigious London School of Economics and Politics is a senior academic and journalist specializing in History, Politics, Health, Disability and various other social issues.

TNN Jawad: The founder and MD of TNN Online Solutions Private Ltd., a highly successful web design company in Asia, Jawad lifted his family out of financial turmoil by launching his company at the age of 17. The 22-year-old entrepreneur boldly ventured out into the unknown and built his international business from scratch. He has also set up an academy to develop pragmatic knowledge in website design and other technical skills in young entrepreneurs.



Dr. Anand Narayanan: An Associate Professor of Astrophysics at the Indian Institute of Space Science and Technology (IIST), Dr. Anand is currently researching the physical properties of gas associated with galaxies and the intergalactic medium. An astronomy documentary series that he had scripted and anchored went on to win the 2014 Kerala State Government Award for the best educational Television program. As a scientist he remains true to his profession by spreading the knowledge that science offers, with the masses.

Jayasankar S.S.: An engineer turned banker, Jayasankar left his corporate job as a Senior Vice President at HDFC Bank to pursue his dream of creating a platform for empowering the differently abled community. His venture, Ootija, acts as a mentor for the hearing impaired and seeks to help them become independent and employable on the basis of their skills.

Karthik Kesav: A co-founder of Pragmatics Learning Resources, Karthik provides a broad portfolio of services encompassing all elements of training and development. He also takes initiative to counsel and provide guidance for students facing emotional difficulties.

Anand Narayanan: A Chartered Accountant by profession, Anand is an Indologist by passion. He strongly feels that the history of India is largely a biased western narrative, and is an advocate for revisiting the history of India through an Indian's perspective. He considers the Mahabharata the greatest literary work ever made.

Devika Sajeev: A postgraduate student of Literature, Devika is an ardent feminist, keeper of an irregular blog and is usually found lost in a book. She is the winner of TEDxFISAT's Rhetoric Hunt, coming ahead of hundreds of other applicants.

Arunima Gupta: A co-founder and Artistic Director of The Floor, a premium dance and fitness studio based in Kochi, Arunima aims to bring out a culture for sincere dance training and pure artistic work. With a career of over 20 years in the performing arts, she is a well-known contemporary dancer and choreographer.

Valerian MacRabbit: A French author and musician, Valerian has several albums and novels to his name. An ambitious musical world trip that began in 2016 to foster musical connections across different cultures and linguistic barriers led him to 15 countries in 5 continents. He is currently half-settled in the Alps where he teaches high school French literature. On the months that he is not working, he travels the world with a ukulele and a small backpack.

In addition to the speakers, there are also three performers to entertain the audience and enrich the experience.

Arjun Guru: 21-year-old Mentalist, Rejwana Niaz: Artist based in UAE, Vishnu Pai: Stand-up Comedian based in Oman. Visit tedxfisat.com to book your seats.

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FISAT A BEACON OF QUALITY EDUCATION

Federal Institute of Science and Technology (FISAT), Kerala, by bringing in a whole new educational culture modelled on academic excellence, world class infrastructure and cutting edge research and innovation facilities has completely changed the rules of the game in private sector engineering education to emerge as one of the most respected and sought after technical education brands in Kerala.

Federal Institute of Science and Technology (FISAT) is one of the premier private self-financing professional colleges in Kerala that has the distinction of being a true game changer in the field of engineering education in the state. Established in the year 2002 under the aegis of Federal Bank Officers' Association Educational Society, an initiative of Federal Bank Officers' Association, it has built a stellar reputation for educational excellence, raising the bar very high for the whole sector.

The college is approved by All India Council for Technical Education (AICTE), accredited by NAAC, ISO 9001:2015 certified and affiliated to APJ Abdul Kalam Technological University and Mahatma Gandhi University, Kottayam.



Dr. George Isaac, Principal

courses that are tailored to equip students with the skills and knowledge to meet the challenges of the new age life and careers.



Paul Mundadan, Chairman, FISAT

Over the last decade and a half, the institution has, time and time again, been an incubator of ideas, systems and talent that have shaped the future of engineering education in Kerala. This is evidenced by the numerous awards the college has won over the years, including an impressive track record of university ranks, and among placements.

Programmed for Success

The vision of the college is to develop into a distinguished centre for higher education, imparting relevant and value based education in science, technology and management studies. The institution offers

courses that are tailored to equip students with the skills and knowledge to meet the challenges of the new age life and careers. The academic curriculum of the college offers an extensive portfolio of programmes that include graduate and post graduate technical courses, masters in computer applications as well as masters in business administration.

Driving Innovation

The institution has chalked up an illustrious track record in innovation and product development. The college is credited with introducing Kerala's first High Performance Computing Centre that sits at building a supercomputing lab working at several orders of speed.



FISAT ties up with remote sensing unit

Kochi: The Department of GIS in land and water resources management, environmental monitoring and upkeep. The MoU will enable the students and faculty to learn and collaborate in the activities of KSREC for making interventions in resolving societal issues and resource management at various levels of governance. TNN

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ഫിസാറ്റിൽ ദേശീയ ശാസ്ത്രദിനാചരണം

അങ്കമാലി: ഫിസാറ്റ് എൻജിനീയറിങ് കോളജിൽ നടന്ന ദേശീയ ശാസ്ത്രദിനാചരണം ഇന്ത്യൻ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് ടെക്നോളജി സിനിയർ പ്രൊഫസർ ഡോ. സുരീഷ് പി. സത്യൻ ഉദ്ഘാടനം ചെയ്തു. കോളേജ് ചെയർമാൻ പോൾ മൂണ്ടാൻ അദ്ധ്യക്ഷത വഹിച്ചു. സംസ്ഥാനതലത്തിൽ നടന്ന ക്വിസ് മത്സരത്തിലും ഉപന്യാസ രചനാ മത്സരത്തിലും വിജയികളായവർക്ക് സമ്മാന വിതരണം ചെയ്തു. മെക്കാനിക്കൽ എൻജിനീയറിംഗ് വിഭാഗം വിദ്യാർത്ഥികളായും, അധ്യാപകരുമായും ഐസ്ക്വയർഡ് പരിപാടികൾ സംഘടിപ്പിച്ചു.



ഡോ. സണ്ണി കുര്യനോടൊത്ത്, മെക്കാനിക്കൽ എൻജിനീയറിംഗ് വിഭാഗം മേധാവി ഡോ. ജോൺ ചെറിയാൻ, പ്രോഗ്രാം കോ-ഓർഡിനേറ്റർ ഡോ. സി.ആർ. രജിഷ് തുടങ്ങിയവർ പ്രസംഗിച്ചു.