Federal Institute of Science and Technology (FISAT)

Impetus

Annual News Letter 2020   **Vol 5. July 2020**

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)
HORMIS NAGAR

FISAT
Focus on Excellence

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

DIGITAL LIBRARY

Focus on Excellence

Our 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.

Our 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.

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Mr. George C Chacko

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1. **Dr. George Issac,** Principal

2. **Dr. C. Sheela,** Vice-Principal

3. **Dr. Sunny Kuriakose,** Dean (Academic & Administration)

4. **Dr. Joshua A J,** Director-incharge, MBA Dept.

5. **Dr. Prasad J C,** Head, CSE Dept.

6. **Dr. Jose Cherian,** Head, ME Dept.

7. **Dr. Mini P R,** Head, ECE Dept.

8. **Dr. Unnikartha G,** Head, CE Dept.

9. **Dr. Parvathy R,** Head, EEE Dept.

10. **Dr. Abi P Mathew,** Head, EIE Dept.

11. **Mr. Santhosh Kottam,** Head, MCA Dept.

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MESSAGE FROM
CHAIRMAN

Ms. Anitha P
Chairman
Governing Body, FISAT

DearStudents, Parents and Well-wishers,

It's time for us to wrap up the activities of the academic year 2019-20 and we are coming out with our prestigious annual newsletter 'IMPETUS'. The year that is bygone has pushed us into a state of unprecedented challenges, with the corona pandemic impacting the human lives across the globe in total. The livelihood of people across the globe has been seriously affected, with all the activities put to a grinding halt, people losing jobs and wages and exodus of migrant labour from work places.

In the world of academics and learning, we experienced quick adapting to the changing normal with every layman reaching out to the technological platform for getting connected and continue with their life. This opens new opportunities before the technocrats to experiment and implement simplified process to reach out to a larger audience.

At FISAT, we have invested in migrating to modern platforms including the open-source digital learning solutions and Learning Management Software EdX and Cisco Webex to enhance the quality of the teaching learning experience. Even in these times of distress and sorrow, our team at FISAT has faced the challenges and have effectively conducted various conferences, development programmes, project exhibitions, workshops and interactive learning exercises through the online platform.

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT) set up in the year 2002 by Federal Bank Officers' Association, a registered Trade Union of Officers working in Federal Bank as a non-profit institution to cater to the growing needs of engineering education in the state of Kerala. FISAT successfully accomplishes the task of extracting the latent talent in every student by providing them fora for creativity, be it in the realm of inventions, arts, sports or creative passions. We aim at creating quality engineers who are capable of contributing towards building a new world, yet without damaging the social fabric.

I congratulate and compliment the editorial team of 'IMPETUS 2020' and the entire FISAT fraternity for their continued dedicated efforts.

My sincere wishes for a better tomorrow.

Dear friends,

Another year has gone by in the blink of an eye. Penning down my message for the previous edition of Impetus seems like yesterday. It was a very emotional year in which we witnessed unprecedented events in the history of FISAT. We witnessed various programs and developments which lead to exponential growth in the overall competence of our students, faculty as well as the Institution.

MESSAGE FROM
PRINCIPAL

Dr. George Issac
Principal, FISAT

We as a team have successful victorious in a year long process by securing NBA accreditation for five of our programs. But when we were supposed to celebrate this achievement, destiny locked us all up in our homes in the form of the Pandemic.

We are cruising to the pinnacle of merit in the field of engineering education in the state as well as the country. However I believe that our efforts from now on must be in such a way that this pandemic won't be able to pull us down with its clutches.

We must take this as an opportunity to innovate new methods & strategies to push our nation forward by providing future generations of citizens who, with their social commitment and global competence will be able to come up with solutions to turn around any challenge in favour of our nation's socio-economic growth.

We all are going through various hardships but still I am quite sure that standing together, we make this world a better place to live in with our efforts. I urge each and every one of you to join your hands with the efforts of our government and the public to bring back those good old days.
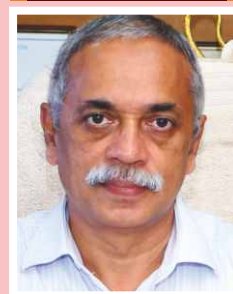
Dear FISATians,

FISAT has embarked on an ambitious plan to enhance the quality and value of education and develop high quality individuals. It was a moment great pride were our institution got accredited by NAAC with 'A' Grade. Five B. Tech branches (CSE, ECE, EEE, EIE & ME) are accredited by National Board of Accreditation (NBA). Congratulations to the team FISAT.

Many innovative programmes for skill development and research activities were initiated during the academic year 2019-2020. Industry supported labs and were are also initiated. The world of industry and technology endured a paradigm shift owing to the COVID-19 pandemic. Trends in information technology emerging in 2020 are new and innovative ways for the industry to grow. These revolutions in information technology are the areas expected to generate revenue and increase demand for IT jobs. FISAT's new generation of engineers need to pay attention to these technological changes and opportunities to set themselves up for future success.

As educators, students, parents and professionals, we're experiencing huge change and uncertainty at the moment. However, the importance of education remains consistent. Educators around the world have quickly adapted and switched teaching from physical to the virtual classroom. FISAT has implemented open-source digital learning solutions and Learning Management Software EdX and Cisco WebEx to conduct the online teaching efficiently. The use of these technology in the classroom has simply given education a new lease of life allowing us to approach old ideas in new ways. WebEx helps us to meet, communicate, and collaborate with various stakeholders from remote locations during this pandemic.

The bigger concern on everybody's mind is the impact of the pandemic on future placements and job opportunities. The Centre for Monitoring Indian Economy (CMIE) estimated an unemployment rise from 8.4% in mid-March to 23% in early April. Fortunately, these issues have not yet much disturbed the FISAT Placement Cell and surprisingly the placement offers are being honored by organizations by giving online boarding for the new recruits. The students of various branches, especially from Computer Science Department (150 job offers) grabbed a good number of placements in core positions of various multi-national companies, which is a clear evidence of the effectiveness of the Placement Training Cell (PTC) of FISAT. Congratulations to the Placement and Training Cell of FISAT.

By staying positive and refusing to give up, despite the challenges that come our way, our inner strength will endure. Let us all strive hard to transform the current threats and challenges into opportunities to serve the society with quality engineers using the framework of the outcome-based education system.

With best wishes for the new academic year 2020-21

Dr. Prasad J C
Chief Editor, Impetus

The Editorial Team

Dr. Prasad J C Chief Editor	Dr. Paul P Mathai Associate Editor	Mr. Shinto Sebastian Associate Editor	Dr. Anoo Anna Antony Associate Editor	Ms. Deepa K EEE	Ms. Beenu Riju EIE
Ms. Joice T MCA	Mr. Basil K Jeemon ECE	Mr. Nizamudeen Akbar S&H	Ms. Leena Samuel P CE	Mr. Arun J Kulangara ME	Mr. Bijo Joseph Library

After the epoch-making success in achieving NAAC accreditation with A grade, we focused on NBA accreditation for five B.Tech. programmes. [The National Board of Accreditation does not allow more than five programs for accreditation at a time]. All the programmes offered in FISAT joined the first phase preparations, particularly in the introduction of Outcome Based Education (OBE) in its fullest form since July 1, 2018.

Campus Visit by NBA Experts

The following is the gist of preparations done in the initial phase.

1. Department Advisory Committee was formed and meetings were conducted.
2. Vision, Mission, PEOs and PSOs were finalized after the stipulated process designed by the College.
3. Course Outcomes of each course were framed and fine-tuned in several meetings.
4. CO-PO mappings were done by the Course Assessment Committee (CAC).
5. Various gaps in the syllabus and content beyond syllabus were identified and follow up actions were executed.
6. The content delivery was done using innovative methods using modern tools.
7. Assessment and Evaluation were done using the prescribed rubrics designed by the College.

The second phase preparations were concentrated mainly on the five under graduate programmes presented before NBA viz. Computer Science and Engineering, Electronics and Instrumentation Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering. The second phase preparations include:

1. Submission of the Pre-Qualifiers and got them approved by NBA.
2. Registration and submission of the Self Assessment Report (SAR). [The hard copies of the SAR of the five programmes were prepared to be submitted as required by the NBA with the Current Assessment Year (CAY) as 2018-19. But later, it was intimated to upload the eSAR that also with the CAY 2019 – 20.]
3. Conduct of Mock visits by external experts.

NBA Expert Team Visit

The actual Expert Team from the NBA visit was held during February 14 – 16, 2020. The 11-member Expert Team visited the college at 9.10 am on February 14, 2020. There was a brief meeting in the Board Room in which the Chairman introduced the members followed by the Principal's presentation.

After the Principal's presentation the members visited few common facilities, Central Library, FABLAB, CCF, hostels, gymnasium etc. At about 12 noon, they were divided into two-member teams and went to the respective departments for detailed interaction with teaching and lab/technical staff and verification of various files & documents. Every team has visited the labs, attended a few live classes and interacted with the students.

The Chairman was scrutinizing the institution level criteria. He had a thorough interaction with the Management representatives and was deeply impressed by the governance and management of the institute. He also interacted with the PTA, Alumni and other stake holders.

The interaction and verification of various files in all the 10 criteria continued on the second day too. The third day was set apart for the Exit Meeting.

In the Exit meeting the Chairman and all other members of the Expert Team expressed their deep appreciation in many areas and various healthy practices prevailing in the College. However, they pointed out certain minor weakness too.

It is to be highlighted that the Expert Team interaction went on so smoothly unlike in many other institutions without giving any extra stress and strain to us. The entire business

of the first two days was over by 4.30 pm.

It was with great joy and jubilation that the FISAT community received the news from NBA saying that all the programmmes we applied, were accredited successfully, making our dream come true and adding yet another feather to the cap.

We take this opportunity to express our profuse thanks and gratitude to all who toiled hard in the NBA accreditation process that stretched over more than two years.

The support and suggestions from the external experts who conducted the mock visits are greatly acknowledged.

We thankfully express our gratitude to the present and former members of the Management Committee particularly Mr. George C. Chacko & Mr. Rajavarma, (who were assigned duty of supervising the NBA accreditation process), the former chairman Dr. Paul Mundadan, the present Chairman Ms. Anitha P, the Vice Chairman Mr. Anish Kumar R & the Treasurer, Mr. Sachin Jacob Paul, for their unconditional and unfailing support all through the preparations.

We are greatly indebted to the Principal Dr. George Issac, Vice Principal Dr. C. Sheela, the Director Academics Dr. KSM Panicker, Dr. Sunny Kuriakose(NBA Coordinator),the Chief Administrative Officer Sri. Prakash C. Chandy, all HoDs, members of various committees, and the entire FISAT fraternity – staff (teaching and non-teaching), students, PTA, Alumni – for their unflagging support extended. The entire exercise has been a good manifestation of dedicated team work and has been really a learning experience for us.

File Verification Process in EIE Dept

Interaction with ECE Faculty

Document Verification in CSE Dept

EEE Dept Interaction and File Verification

Dept Presentation in ME Dept

Congratulations!

Five B.Tech. Programs Accredited by NBA

❋ Computer Science & Engineering (Score: 667)
❋ Electronics & Communication Engineering (Score: 653)
❋ Electrical & Electronics Engineering (Score: 647)
❋ Mechanical Engineering (Score: 633)
❋ Electronics & Instrumentation Engineering (Score: 631)

Reboot Kerala Hackathon is an initiative of the Department of Higher Education – Government of Kerala and the Additional Skill Acquisition Programme (ASAP). It will be the best experience a developer or a student can have apart from their academics or company projects or assignments. Reboot Kerala Hackathon 2020 encourages students to participate in social problem solving and governance.

Reboot Kerala Hackathon 2020 aims to bring students to mainstream governance by receiving their solutions for the issues faced by various Government departments. This helps in finding quick and effective solutions for the development of the state in a cost-cutting manner. There are several other areas also which crave for the solution. So, Reboot Kerala Hackathon 2020 will be a breakthrough in rebuilding our state.

The Ernakulam District's Hackathon on Healthcare & Social Justice was hosted by Federal Institute of Science And Technology (FISAT), Angamaly from Friday, 6th March to Sunday, 8th March. The 36-hour long hackathon started at 8:30 am on Friday and ended by 8:30 pm on Saturday.

30 teams of 6 members each (with minimum 2 girls per team) competed against each other to come up with solutions to the 6 problem statements already presented to them by the Government Healthcare and Social Departments. Their solutions were continuously evaluated throughout the hackathon by a Jury that consisted of 18 members, from the sectors of Technical, IT, Government Department Officials and Academicians. The first-round results was published at 11:00 pm on Saturday, where 15 out of the 30 teams were eliminated, while the other 15 teams who were shortlisted were supposed to deliver a 15-minute presentation on their solution on Sunday morning before a panel of judges.

IEEE FISAT SB played a vital role by supporting the team members of ASAP to conduct the Ernakulam Districts Hackathon at FISAT in a spectacular and well-organized manner that impressed all the dignitaries, guests and participants that showed their presence during the event. Government of Kerala has initiated this program, the Additional Skill Acquisition Programme (ASAP) with the objective of tackling the issue of growing unemployment in the State.The Program aims at equipping selected school/college students with skills in Communication, IT and selected areas of industry and service sectors.

Students Outcomes

★ Students get a chance to actively contribute to a social cause and make important changes to society.

★ Students get a chance to be involved in the Governance processes and working. This helps in improving their career opportunities and expanding the portfolio.

★ Participants with the best solutions get shortlisted by the companies and they use it for their future job openings. This ensures better career opportunities and job security for the participants.

★ The government can help the participating teams to start their own start-up company with the product they are proposing. This is a great pitching opportunity for the students.

★ In addition to the Government agencies, third party companies can also adopt the products and solutions to their team and absorb the participants in major roles.

Inauguration of TRIAC Program
by IEEE on 26 Oct 2019

The Center of Excellence in Robotics and IoT lab (a.k.a CER lab) was established under an initiative by IIT Bombay with the motive of providing students with industry-standard equipment and resources to develop their skills in engineering beyond what is learned in regular classes each day. The center was first established in the year 2016 under the aegis of Center for Continuing Education, FISAT. It was later identified as a Nodal center for project e-Yantra by IIT Bombay and was upgraded as an eLSI lab in 2016. The center has been successful in conducting three national-level workshops for faculties in association with IIT Bombay. The student members have also been using the lab quite fruitfully and have done several projects in robotics of which some have even gained nation-wide recognition.

Activities conducted under CER:

Interaction with Prof. Kavi Arya, CSE Dept., IIT Bombay

The members of CER got the opportunity to interact with Prof. Kavi Arya (Prof. at CSE Dept., IIT Bombay), who is also the backbone of the e-Yantra initiative of IIT Bombay. The interaction took place in the FISAT conference room on 1st May 2019 and was attended by 52 students including the IEEE execom members and the CER student members. The students had a fruitful interaction with Prof. Kavi Arya where he discussed how e-Yantra was formed and how it has been having an impact on the students all around India with even many social startups based out of eLSI labs.

Faculty Development Program

A five-day Faculty Development Program was conducted by CER from 16 June 2019 to 20 June 2019. The topics covered in this program include Introduction to

Embedded Systems and Firebird V, convolutional networks, computer vision, machine learning, and ROS. The sessions were taken by prominent experts in the field including Dr. Madhu S. Nair, Mr. Lentin Joseph, Mr. Robin Tommy and the team from e-Yantra, IIT Bombay.

e-Yantra Robotics Competition (eYRC)2020 : Teams selected to stage 1

1.eYRC 2020 Theme: Biped Patrol

Teammembers :SebinThankachan, Job Jacob, Akash Pradeep Krishna, and Allwin Denny

2. eYRC 2020 Theme: Rapid Rescuer

Teammembers: Bryan Davis, Roby Jacob, Nandini Menon, and Joyal Thomas

3. eYRC 2020 Theme: Survey & Rescue

Teammembers: Diya Merin Sunny, Pranav L, Delwin D Arickal, and Tom Joseph

4. eYRC 2020 Theme: Supply Bot

Teammembers: Anushka Mary Jose, Merlin Joy, Nimitha Joseph, and Sandra Sunny

5. eYRC 2020 Theme: Construct-O-Bot

Teammembers: Devika S Nair, Deepend P, Abhirami S, and Anupama Menon

LOYAL MEMBERSHIP AWARDS

FISAT was recognized as a loyalty member of ICT Academy of Kerala(ICTK). It is a premium membership for academic institutions. ICTK offers different services which includes : train the teachers on Life Skils Training, Conducts Employability Quoitient Test(EQT) to the students with detailed report.Free copies of ICATK yearly magazines. Minimum 100 students will be trained on varies technology through their partner program.

Community Mobile Medical Clinic

In this pandemic stricken situation, FISAT again came forward with yet another innovative cause since 20th April 2020. A Community Mobile Medical Clinic, a medical clinic on wheels for the first time in Kerala solely for Geriatric Care, to ensure that appropriate help and support reaches the old aged people on time, right to their homes. The mini-bus that once served as Mobile Fab-Lab was turned into this Mobile Clinic for this public awareness cause, which could accommodate a doctor, a nurse, and a pharmacist along with the patient being treated with all the required facilities like ECG, BP, Sugar, CPR, Portable X-Ray units, etc. This Mobile Clinic with the support of respective Ward members identified members who are of age 60 years or above and gave them the required treatment on a daily basis. All the activities were coordinated strictly in accordance with the rules and regulations set by the Kerala Government in a token-based manner to ensure social distancing and health hygiene. Many of the aged patients were grateful to see a doctor after over 2+ months. Apart from these, services like telemedicine and video-conferencing were also incorporated to ensure live

Inaguration of Community Mobile Medical clinic Adv. V S Sunil Kumar, Minister, Gov. Of Kerala.

treatment after consulting with the best doctors in various fields like Cardiology, Neurology, Nephrology, etc. On top of all, this facility provided a direct platform for the team of doctors from Taluk hospital headed by Dr. Naseema (Superintendent of Taluk Hospital) to convey the message from Kerala Government on what COVID-19 is and what are the steps to be taken by us to stop a community spread, creating public awareness.

So far 700+ aged patients were given adequate treatment for all their ailments through this project. The widened eyes and smiles of the treated patients were the assessing factor that ensured that this project too, was a tremendous success. They were greatly touched when we were able to provide a medicine kit including their day-to-day medicines for a month and they even encouraged us with their support to do more of such activities for the society.

A Day with differently abled children

This program aimed to spend some time with differently abled children. There were many small fun events so as to get more involved and attached with those little kids. NSS volunteers actively participated in this event.

Household Survey at Ayyampuzha

NSS volunteers of FISAT went for a survey to Mookkannur to collect the details and information about each and every household as part of UBA.

Gandhi Smrithi Cycle Yathra 2019

Gandhi Smrithi Cycle Yathra on 22nd December 2019 programme initiated by APJ AKTU cell

FISAT BUSINESS SCHOOL

The period from April 2019 to the COVID era of 2020 has been filled with many promising events and interesting outcomes. Our spirits have not been dimmed by the onslaught of the pandemic and though safely ensconced in our homes, we had the good fortune to carry out many student centric events last year and this year as well

COLLOQUY ON POST PANDEMIC BUSINESS AND INSTITUTIONAL IMPLICATIONS AN EXPLORATION BY CORPORATES AND ACADEMICS CONDUCTED ON 27TH AND 28TH JULY

In the present context of the Corona Virus outbreak, perhaps two sectors that have been hardest hit are the corporations driving business needs and the educational services industry at every level from preschool to doctoral levels. Businesses have seen profits being razed to the ground after months of inactivity and continuously falling general economic indices. Students and educators have momentarily struggled, but are rising impeccably to the new normal of online course delivery. FISAT DIGITAL DISCOURSE SERIES is a digital discussion forum that has been planned by FISAT Business School, to generate organic thinking and conceptual, free flowing idea generation by eminent industrialists and academic experts. The resource persons for the first of the series were

Thomas Kuruvilla,
Managing Partner, Arthur D. Little Middle East; Member of the Global Board

Thomas Kuruvilla is a member of the Global Board of Arthur D. Little and responsible for Arthur D. Little's operations in the Middle East. Thomas is also the Head of the Strategy and Organization practice in South Asia and Middle East

Suresh Prabhu,
Software Products Leader | Intrapreneur (We are hiring! jobs.epicor.com)

A seasoned leader with successful track record in enterprise products & solutions engineering and services delivery, Mr. Suresh Prabhu's most recent experience is in the areas of Enterprise Software and SaaS based solutions working with world-class organizations like Epicor, ACI Payments and Diebold.

Dr. Yoonus C. Ahammed,
Director, FCC Controls, Standard Chartered Bank, Dubai

Yoonus received his PhD in Mathematics-Finance (Interdisciplinary) from the Institute for Financial Management & Research (IFMR) under University of Madras. Prior to joining Standard Chartered Bank (Dubai), he worked as Senior Manager – FCC Analytics at the Standard Chartered Global Business Services, Lead Analyst at CRISIL Global Research

Mr. Nishanth Nottath, Global Head - FCC Monitoring, HSBC

Mr. Nishanth Nottath is a senior Financial Crime Risk management professional for more than 20 years. At HSBC Bank Middle East, he is the Global Risk Steward for Monitoring capabilities across the group covering TM and Fraud

Dr. Nithya Ramachandran,
Faculty, Accounting and Finance Department of Business Studies and Academic Representative, Quality Assurance Department, Ibra College of Technology, Sultanate of Oman.

On the two days not less than forty academic papers from at least thirty five different institutions across the length and breadth of the country were presented and discurssed remotely chaired by the senior faculty from the department. It was viewed by at least 200 persons through the google meet platform.

The Colloquy Convenors were Dr. Dhanya Alex and Dr. Anoo Anna Anthony under the able leadership of Dr. Joshua A J, Director-in-charge.

STUDENT TRAINING AND EXPERTISE ENHANCEMENT PROGRAMS

Specialised skilling of students through directed programs was carried out for the MBA students during the period May to December 2019.

1. SAP TRAINING

SAP training was undertaken for the students of the 2018-20 batch through EME (Electromech Enterprises pvt ltd). This is an IT education and service provider focused on technology areas of ERP. Having an excellent access to SAP Certified resources it proved to be the most suitable provider for the technical training that was given in SAPFI (Financial accounting and Management Accounting), Sales and distribution /Order fulfillment (SD) AND Human Capital Management for HR Students. It was meant to enhance employability and improve skilling.

2. KPMG Certified BUSINESS ANALYTICS USING PYTHON

This was started in the month of December to the senior batch, and will be taken up after the examinations slated to finish by the middle of August. It covered the various aspects of PYTHON, statistics, data wrangling and visualization and HR and Financial Analytics. Already thirty hours have been completed, and certificate will be issued after conduct of an on line examination and practical evaluation by KPMG.

3. CAMBRIDGE UNIVERSITY PRESS ENGLISH LANGUAGE TRAINING AND CERTIFICATION

Students of the 2018 and 2019 batch were fortunate to receive training in English Language through the Cambridge University Press Learning Wing. Called a 'General English course in Soft and employability sklls and Current Business English Program' it seeks to increase fluency and usage efficiency among management professionals to ramp up their employability quotient. This is a significant barrier during placement interviews and overall placements have been shown to increase once language fluency and communication has been taken care of.

4. PRAGMATIC LEARNING RESOURCES

The company has been carrying out placement oriented training for final year and intermediate semester students for several years now, but it is only last year that a full ten days 'Placement Oriented training' for final year students was done. With a focus on Group discussion and Interview training and Key components of quantitative aptitude, logical reasoning and verbal ability, it involves training, testing and feedback provision in a continuous and systematic manner.

5. SPECIALISED CERTIFICATIONS DONE BY STUDENTS

a. Online Internship in Financial Analysis Skills and Investment Analysis Skills offered by AICTE by Finance elective students under Dr. Dhanya Alex (Finance Faculty) l

b. Online Training and Certification by 2019 batch students in MIS under Mr. Praveen.V (Faculty), These were

1. FDP on IOT by NIT, Suratkal, July 2020

2. Certifications in IS Specialisation, IS/IT Governance, Enterprise systems and IT Infrastructure by University of Minnesota through MOOCs

INTERNATIONAL STUDY TOUR TO MALAYSIA

Students of the batch of 2019-21 were taken on their international study tour to Malaysia. This involved two parts. A formal certification session at Open University MALAYSIA (OUP) under the Deanship of Dr George V Antony and accompanied by faculty members Dr Joshua A J, Dr Anoo, Mr. Praveen V and Ms. Biji U Nair.

In two batches of sixty students the students attended a certification program where they received certificates and study materials on current and relevant topics like Industry 4.0 and Organisational Leadership, Supply chain Management and Quality Benchmarking. An Industrial visit of three hours to Royal Selangkor Pewter industries which began in the 18 th century and manufacturer of bespoke pewter ware was also carried out.

INAUGURATION OF MBA BATCH OF 2019-21

In the event of the admissions to MBA programs across the state becoming more difficult, FISAT Business School has been a beacon- with batches of one hundred and twenty students across four electives consistently since its

inception, the excellent faculty contributions, placements and brand building initiatives of FISAT has taken it higher.

The inaugural ceremony of the MBA 2019 batch was carried out in July 2019. The Chief Guest was Sri. Paul Antony IAS, former Chief Secretary, Government of India. Students were inducted in the presence of the then Chairman, Mr. Paul Mundadan, Principal Dr George Issaac, FBS Dean and Director Dr. George V. Antony, FBOAES Committee members and Faculty members.

The award of Best outgoing Student of the 2017 Batch was given to Ms. Radhika. S , who is presently working as an HR Associate in TCS. She spoke at length, through a live video call about how her years at FISAT had made her a better person

RELEASE OF JOURNAL 'FORUM'

The fourth issue of the department Journal Forum-South Asian Perspectives on Management and Social Sciences with ISSN number 2395-4949: was released in the month of January 2020 under the editorship of Dr Anoo Anthony. Some of the highlights include:

1. Concepts in Practice: Measurement Invariance and the Number of Scale Points in MultiItem Instruments by Dr. Anandakuttan B. Unnithan, Professor, Marketing Area, IIM Kozhikode

2. Concepts in Practice: Skill Development, Employability Enhancement and Building a Startup Ecosystem: The Much Needed Actions to Address Unemployment Issues Dr. Resia Beegam, Professor & HOD, Department of Commerce, University of Calicut

3. Macro Perspectives: Marketing through use of Technology - Competencies and Concerns from a Customer Perspective Dr. Sindhu. K. Nair, Assistant Director, IGNOU Regional Center, Kochi, Kerala

4. Macro Perspectives: Gender parity in India: A mirage Sonia

P. Kumar, Assistant Professor, SAINTGITS, Kothamangalam, Kochi, Kerala

5. Research Innovations: Study On Utilization And Repayment Pattern of Agricultural Credit By Farmers With Special Reference To Shoranur Co-Operative Service Bank, Kerala Dr. K. Shalini, Assistant Professor, Vimala College, Trichur, Kerala

RESULT ANALYSIS

The Result of the fifth trimester and the second trimester Examination has been extremely commendable with a pass percentage of above 95% in the second trimester and above 85% in the fifth. Kudos to the hard work of the faculty members and the students to achieve these results.

PLACEMENT STATUS AT FISAT

As per the latest estimates around 45 students of the Batch have been placed with good offers during the COVID era. This in itself is a great achievement considering the fall in possible recruitment options.

Sl No	Company	Placed Through	Job Offers#
1	Salve Maria International	FISAT	8
2	HDFC Life	FISAT	6
3	Pinclick	FISAT	5
4	Calvin Klein & Tommy Hilfigher	FISAT Referred Off Campus	4
5	Envestnet	FISAT Referred Off Campus	3
6	Federal Bank	FISAT	3
7	KPMG Bangalore	FISAT	3
8	TATA AIG	FISAT Referred Off Campus	3
9	Apollo Munich	FISAT Referred Off Campus	2
10	Extramarks	FISAT	2
11	HDFC AMC	FISAT	2
12	TCS	FISAT Referred Off Campus	2
13	Aditya Birla Fashion And Retail	FISAT Referred Off Campus	1
14	Ramco Cements Ltd	FISAT Referred Off Campus	1
	Total		**45**

BEST FACULTY AWARD

Dr. A.J. Joshua received the Best Faculty Award for the year 2019. With a rich teaching experience of over 20 years, he has been adding value to the department by his dedicated service. He also heads the ISO imperatives in FISAT for the past nine years and is a member of the IQAC. Congratulations, Sir!

WE BID YOU GOODBYE..

It is with a heavy heart that we faculty and students bid goodbye to the stalwarts of FISAT Business School after many years of dedicated and meritorious service.. Thank you from the depth of our hearts

Dr George V.Antony
(Dean and Director, FBS)

Prof.Dr K.P. Saraswathyamma
Faculty, Finance, FBS

Prof. Dr. K. Sreekumar
Faculty, Finance, FBS

PAPER PRESENTATIONS BY FACULTY

1. Dr. Dhanya Alex "Exploring dependencies among Corporate Social Responsibility, Attitude towards Brand and Purchase Intentions" – International Conclave on Globalising Indian Thought, Indian Institute of Management, Kozhikode

2. Dr. Dhanya Alex "Firm Size, Market Risk and Ex-Dividend Day" – 1st Rajagiri Conference on Economics and Finance in association with The Indian Econometric Society, Rajagiri Centre for Business Studies

FACULTY INITIATIVES
SOJOURNING 2020- STUDENT ENGAGEMENT INITIATIVE

FISAT BUSINESS SCHOOL initiated a series of learning sessions, 'SOJOURNING 2020' for the admitted students of Batch 2020 to edify the management notions. As it has not been possible to begin classes for the new batch of 2020, several activities were initiated through Google class room to keep the newly admitted students engaged. Ms. Delma Thaliyan was the coordinator of student engagement activities. Two external sessions were also given on 'Necessity of Legal Awareness for a Responsible Citizen' by Ms. Parvathi Sanjay, Leading Advocate, High Court of Kerala and 'Revealing the Secret to Success' by Ms. Sahla Parveen, Motivational Speaker and Author and former student of FISAT Business School

STUDENT ACHIEVEMENTS

Akshay Sunil, Fairoos Jahan Mohamed Iqbal, two students of FISAT Business School and Dibin Jose from MCA are the co-founders of Conex365. Conex is a platform for the graduates/ undergraduates and the aspiring youth who either want to venture into a career or become an entrepreneur to hone their skills. Conex as an edu service is trying to bridge the gap between the corporate and the students by providing an equal opportunity to those who have the will to learn, but lack the resources. Akshay, Fairoos and Dibin are confident of their achievement as Conex has been shortlisted on UN Goals of sustainable development that focuses on Quality Education, Decent work environment and partnership

ACHEIVMENTS OF STUDENTS IN MANAGEMENT EVENTS

Year	Students	Achievement
2019	Karthika Balakrishnan, Athulya Thulasidas, Akshay P Sunil, Anand	Best Management Team in Luminance at DCSMAT Vagamon
2019	N. Neelakandan, Jijoy C Anto, Jean Thomas Paul, Merlin george	Finance Game 2nd in Luminance at DCSMAT Vagamon
2019	Paul P Mathew, Rahul Raj, Arthur K X, Thomas Scaria	Marketing Game 2nd in Luminance at DCSMAT Vagamon
2019	Ruben Chacko, Surabhi, Neha N Mani, Induja Boban	HR Game 2nd in Luminance at DCSMAT Vagamon
2019	N Neelakandan, Merlin George, Mishma Joshy, Neelima Babu	Finance Game 2nd in INFLORE at Rajagiri Centre for Business Studies
2019	Ann Mary Robin, Ebin, Antony, Harikrishnan	Best Marketing team in Xelencia at Bharatmatha Institute of Managment
2019	Safal K Salim	Best Photographer in Xelencia at Bharatmatha Institute of Management
2020	Jopaul, Junail, Mohammed Jafsar, Joe Jhonson	Best Football Team at Naipunya Business School
2020	Anandh, Merlin george, Aswini Prabhakar, Emil	Best management Team in ASGARDIAN at Rajadhani Business School, TVM.
2020	Anandh, Aswini, Emil, Aiswarya C K	Best Management Team at UC College Aluva
2019	Anand Manoj Mathew,Aswini T V,Aiswarya C K, Emil Michael	HR 2nd at SCMS College
2020	Anand Manoj Mathew,Aswini T V,Aiswarya C K, Emil Michael	BMT 1st at Naipunya Business School
2020	Jo Paul Crusho	Selected as KTU University Player

AlgoRhythm 2k19

AlgoRhythm 2k19, a two-day Techno-Cultural fest, was held on 18th and 19th of October 2019. It was an initiative taken by team FIESTA. This fest was a platform for the students of our department to showcase their talents in technical and cultural aspects.

The programme was started by a technical talk on Current Trends in IT Industry, followed by formal inauguration on 18th October 2019 at 10.00 am. Mr. Jaimy Thomas, Director Service Delivery, Experion Technologies Private Limited, was the chief guest of the day. The fest was inaugurated by lighting the lamp by all dignitaries. The welcome speech was delivered by Mr. Santhosh Kottam (HoD, Dept. of Computer Applications, FISAT), presidential address by Dr. Paul Mundadan (Chairman, FISAT), inaugural address by Mr. Jaimy Thomas and felicitations were given by Dr. George Issac (Principal, FISAT), Dr. C Sheela (Vice-Principal, FISAT). Mr. Paul Alias (Student Secretary, FIESTA) proposed the vote of thanks. The ceremony ended up with national anthem.

There was an array of technical events such as BLACK HOLE (Online Treasure Hunt), ENDURANCE (Best IT Team), SCIENTIA (Paper Presentation), CASEFILE #2255 (Mock CID) along with fun games.

Students of the Dept. utilized this platform to showcase their talents through various cultural events held on 19th October 2019.

Ms. Shidha M V and Ms. Anju L were the staff co-ordinators. Mr. Paul Alias and Mr. Amal Joy Maliekkal were the student Co-ordinators.

Events Organized

Events	Details
Workshops	✭ Workshop on LaTeX was conducted for S3 MCA Second Year Direct 2018 batch students by Ms. Anjaly Sani and Ms. Anjaly Joy of 2017 Lateral Entry batch on 18th July 2019. ✭ Workshop on LaTeX was conducted for S5 MCA Regular 2017 batch students by Ms. Silly K P and Ms. Sreethu M of 2016 Regular batch on 19th July 2019. ✭ Two day Workshop on "Machine learning using python" for S3 MCA Second Year Direct 2018 batch students, was conducted by Dept. of Computer Applications in association with Network Academy, Cochin on 28th and 29th October 2019. ✭ Two day Workshop on "Machine learning using python" was conducted for S5 MCA Regular 2017 batch students, was conducted by Dept. of Computer Applications in association with Network Academy, Cochin on 14th and 15th October 2019.
Orientation Programme	✭ Orientation Programme for S1 MCA Regular 2019 and S3 MCA Lateral Entry 2018 batch students was organized on 5th, 6th & 7th August 2019. Faculty Members from Pragmatix, and Dr. Molly Joseph were resource persons of the programme.
Soft Skill Training	✭ Soft Skill Training programme for S3 MCA Regular 2018 batch was organized from 16th July to 18th July 2019
Induction Programme	✭ Induction ceremony for the 14th batch of MCA Regular programme was conducted on 1st August 2019.
Social Outreach Programme	✭ A Visit by S2 MCA Regular 2018 batch to Vimala Bhavan, Mattanchery on 1st April 2019. The staff members Mr. Nithin Rajan and Ms. Joice T accompanied the students
Add-on Course	✭ Add-on Course on "Angular2" was conducted for S2 MCA Second Year Direct 2018 batch and S4 MCA Regular 2017 batch by Rohit Joshy from 2nd May 2019 to 9th May 2019.
Placement Training Programme	✭ Placement Training Programme was conducted for S5 MCA Regular 2017 batch from 8th July 2019 to 11th July 2019 and S3 MCA Second Year Direct 2018 batch from 12th July 2019 to 15th July 2019 by Mr. Krishnakumar and Ms. Mrudula.
Mini Project Expo	✭ The final year MCA students exhibited their Mini Projects on 10th May 2019. Mr. Mathew James, Solution Architect, UST Global, was one of the panelist for evaluating the projects. The top two teams were chosen for the cash prize. The first prize was for the project titled 'Spinal Posture Detection and Prediction'. The team members were Manu Jose, Rejoice T J, Meenu Varghese, Minnu cherian and Geethu M Saju (S5 MCA Regular 2016 batch). The second prize is shared by two teams from S5 MCA Regular 2016 batch. The projects titled 'Detection of Artificially Ripened Fruit' (Sujith M R and team) and 'VIZIYON-Tool for Visually Impaired People' (Bhameesh M B and team) are the winners.

Alumni Meet

Rewind 2k19, the Alumni Association of Department of Computer Applications was held on 27th April 2019 in FISAT campus. Around 50 alumni from various batches participated and rewinded their memories. Mr Santhosh Kottam (Head of the Department) welcomed the gathering. Mr. Bejoy K Jose (Senior System Analyst, UST London), president of Rewind presided over the function. Dr. George Issac (Principal, FISAT) and Dr. C Sheela, (Vice Principal, FISAT) felicitated the gathering. Ms. Deepa Mary Mathews (Rewind & NBA coordinator) has gave an awareness about the role of Alumni in NBA accreditation. Stage programmes by the S2 Regular 2018 batch students made the event more colorful. The existing committe of Alumni is extended by including representatives from all the batches. Alumnus shared their happiness and offered their support in all the department activities. The meeting concluded by 6: 00 pm

S6 MCA Regular 2017 batch organized a tour to Dandeli – Goa for 4 days from 9th January 2020 to 13th January 2020 accompanied by Staff members Ms. Shidha M V and Mr. Nithin Rajan .

S4 MCA Second Year Direct 2018 Batch organized a tour to Dandeli – Goa for 4 days from 30th January 2020 to 3rd February 2020 accompanied by Staff members Ms. Joice T and Mr. Sujesh P Lal

LaTeX Training Programme

LaTeX Training Programme hands-on session

Staff Achievements

✴ Ms. Shahna K. U. published a paper titled "A novel image encryption scheme using both pixel level and bit level permutation with chaotic map" On Applied Soft Computing Journal with   SCI Impact Factor: 4.873 in Elsevier.

✴ Ms. Senu Abi and Ms. Manju Joy has registered for Ph.D.

Ph.D Awarded

Ms. Rakhi Venugopal, Assistant Professor was awarded Ph.D in Computer Science from Bharathiar University Coimbatore on 27th November 2019.

UGC NET

Ms. Shidha M V, Assistant Professor has qualified UGC NET

NPTEL

Ms. Rose Mary Mathew has secured Elite Plus Silver Medal Certificate for NPTEL course on Introduction to Machine Learning conducted by IIT kharagpur during July 2019-Sep 2019.

Placement and Training Cell

The Placement and Training Cell of Dept. of Computer Applications is a team of vibrant student representatives and staff. Our team of PTC is functioning in association with Placement Cell of FISAT.

During 2018-19 academic year, students of 2016 Regular and Lateral 2017 batches achieved glorious placement records. More than 90 placement offers have been grabbed by our students. During 2019-20 academic year, students of 2017 Regular and 2018 Lateral batches achieved 61 offers and is counting. The major recruiters are TCS, UST, 6D, Speridian and Federal Bank. This year department conducted an intensive 14 days placement training program for final year students lead by two major consultancies- Mpower and Pragmatrix. The placement and Training Cell, Department of Computer Applications is headed by Mr. Jomon M C, Assistant Professor.

Placement Chart 2019
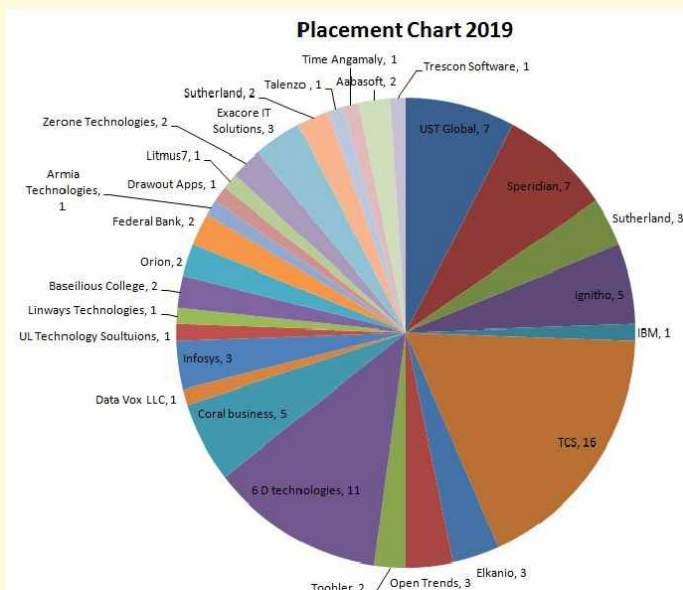
Placement Training Programme

DePaul Fest

A Ajmal, Albin Benny, Mrudhul K C, Abdul Jaleel, Mohammed Faaiz Of S2 MCA won second prize in the event :"RAINBOWSIXSEIGE" held at DePaul Institute Of Science And Technology' on 16th January 2020.

Students Achievements

✶ The students of S2 MCA Second Year Direct 2018 batch bagged the following prizes in "ZENORIX2.0" Tech-Management Fest held at Naipunya Institute of Management and information technology on 22nd February 2019

- Amal Joy, Abito Emmanuel, Jibin Joseph and Seby Joseph won first prize for Best Team
- Joseph Paul, Amal Babu and Adarsh V has won first prize for Treasure hunt
- Vineeta V and Shahanas Won second prize for Treasure hunt
- Subin M S and Henric James won Second prize for PC Doctor.

✶ The students of S2 Second Year Direct 2018 batch bagged the First Prize in Web Designing contest in INIZIO an intercollegiate technical fest organized by SNGIST, N. Paravoor held on 15th to 16th October 2018

Vishnu Venumohan Memorial Endowment Award

Ms. Disney Devassy of S6 MCA Regular 2016 batch was awarded with Vishnu Venumohan Memorial Endowment Award for the Best Outgoing Student for the academic year 2018 - 2019.

S5 MCA Regular 2017

1st Position — Sanjo George
2nd Position — Ann Mariya Davis

S3 MCA Second Year Direct 2018

1st Position — Roopa Jolly
2nd Position — Rehana Mohanan

S3 MCA Regular 2018

1st Position — Reenamol PM
2nd Position — Neethumol Sani

S1 MCA Regular 2019 (A batch)

1st Position — Sandra Santosh
2nd Position — Anitta Eldhose

S1 MCA Regular 2019 (B batch)

1st Position — Merin Davis
2nd Position — Jaina Joy

Retired Staff Members from Administrative Section in 2019-2020 Academic year.

Dr.K.S.M.Panicker
Director, Academics.
(2004-2020)

Mr. Skariachan K Y
Senior Assistant, Office
(2002-2020)

Mr. Prakash Chandy,
Chief Administrative
Officer & Hostels
(2008-2020).

Mr. Varghese John
Senior Manager, Accounts
(2004-2020)

Faculty members conducted online class through ASAP

❖ **Mr. Mahesh C** : Principles of Information Security
❖ **Mr. Anuranj P** : Embedded Systems
❖ **Mr. Sumesh G** : Partial Differential Equations
❖ **Mr. Dileep G** : Torsional Vibrations

Library Book Exhibition with Hindu News Daily on 27 Jan 2020

CLASS TOPPERS 2019

ELECTRONICS & COMMUNICATION ENGINEERING

S4 BATCH

1st Position — DEVIKA S
2nd Position — RAJALAKSHMI R

S6 BATCH

1st Position — ATHIRA S
2nd Position — LAKSHMI VIJAYAN

S8 BATCH

1st Position — MINNU SIMON
2nd Position — RAEESA MANAL

MoU with Hortari Technologies Private Limited

Memorandum of understanding between 'Hortari Technologies Private Limited' and Electronics and Communication Department of Federal Institute of Science And Technology' for partnering to launch the platform 'Hortari Explorer' (a service of 'Hortari Technologies Pvt. Ltd.') was signed for the period of 2019-23.The general objective of the MoU is to stimulate and facilitate the skill development of students through the Hortari platform and other services provided by the Hortari to nourish and develop the college students during the period they are enrolled in the college. It was also a proud moment for the department as one of the founders of the company, Mr. Ajayson V S, is an alumni of ECE department, FISAT (2012-2016 batch).

Dr. Mini P R, HoD of ECE with Mr. Ajayson V S and Mr. Anand Sai on the occasion of signing MoU with HortariTechnologies Private Limited

Faculty Achievements

Ms. Vinitha M.S.   Mr. Bejoy Varghese

Ms. Vinitha V and Mr. Bejoy Varghese , Asst. Professors of ECE department, conducted online classes for students of APJ Abdul Kalam Technological University and received excellent feedback. Ms. Vinitha V taught the subject "VLSI (EC304)" for 6th semester students and Mr. Bejoy Varghese taught the subject "Computer Organization (EC206)" for 4th Semester students of ECE, KTU.

Sheelu Susan Mathews, Asst. Prof, ECE dept, was ranked 3rd in NPTEL online certification exam for the subject "Synthesis of digital systems" with a consolidated score of 88%. The course was coordinated by IIT Madras.

❖ During the academic year 2018-19, 26 faculty participated in various FDPs/STTPs and 18 faculty successfully completed NPTEL courses.

Faculty development Programs :

❖ Mr. Basil K Jeemon and Ms. Aiswariya Raj, Asst. Professors of ECE Department were resource persons for the one day FDP titled "Basics of MATLAB"

Inaugural session

conducted on 12th Dec 2019. The event was organized by Science and Humanities department in association with Maths club, FISAT. The event received positive feedback.

❖ ECE department in association with Indian Society for Technical Education (ISTE) organized a 3 day FDP on "Tools to aid online & blended learning" on 8th, 9th and 16th July 2019. Around 30 faculty members from various departments attended the FDP. Tools such as Gnomio, Moodle, google apps and screencast-o-matic were introduced. Teaching techniques for active learning such Flipped classroom, Think-pair-share and Jigsaw were also introduced. The resource persons for the FDP were Mr. Basil K Jeemon, Ms. Aiswarya Raj, Ms. Deepa N R, Ms. Christy Jose and Ms. Jilu George, Asst. Professors of ECE department.

Dr. George Issac, Principal, delivering his Inaugural address.

Training session

❖ Department of ECE in association with ISTE organized a one day FDP titled "Introduction to Simulink" on 26th July 2019. Dr. Mini P R, Professor & HoD of ECE department was the resource person. FDP helped to understand the basics of how to create, edit and simulate models in Simulink.

SPECIAL ACHIEVEMENTS IN ACADEMICS

❖ Department secured 8th position among 138 colleges in B.Tech Examination June 2019 (Admission year 2015 –First Pass out batch under Kerala Technological University)

❖ MINNU SIMON ,[2015-2019] Secured Second Position in B.Tech, ECE APJ Abdul Kalam Technological University (First Pass out Batch of APJ Abdul Kalam Technological University, Among 138 Colleges) with a CGPA of 9.64.

❖ 86 students of ECE department successfully completed NPTEL courses during the academic year 2018-19.

❖ Athira S, Unnimaya K S and Sebin Thankachan, students of final year, ECE (2016 admission) got qualified in GATE 2020.

❖ ATHIRA S (2016 admission) of Electronics and Communication Department secured Outstanding Grade for all subjects in 3rd and 4th Semester B.Tech University Examinations with a CGPA of 9.81 till S7.

❖ LAKSHMI VIJAYAN N (2016 admission) of Electronics and Communication Department secured Outstanding Grade for all subjects in 1st Semester B.Tech University Examinations with a CGPA of 9.59 till S7.

❖ Two academic projects of final year ECE were approved funding by the Kerala State Council for Science, Technology and Environment (KCSTE) during the academic year 2019-20. The projects were 'Borewell Rescue Robot', guided by Noble G, Asst. Prof, ECE and 'River Cleaning Robot', guided by Nimmy M Philip, Asst. Prof, ECE.

Workshops and talks organized

Invited Lecture on Basics of Radar Engineering

❖ An expert lecture on Basics of Radar engineering was organized on 22nd November 2019 by ECE department. The lecture was delivered by Mr. Sibil Kumar T B Scientist, DRDO, Bangalore. Students of first year and final year of B.Tech ECE attended the session. This session was intended

Mr. Sibil Kumar T B, Scientist, DRDO, Bangalore

to give final year students industry exposure to the subject "Microwave Engineering", taught by Ms. Anu K Kuriakose, Asst. Prof, ECE.

❖ A Circuit Designing workshop was conducted on 15th November, 2019 by Ms. Jilu George, Assistant Professor (FISAT) and Ms. Sreelekshmy S, Assistant Professor

Circuit Designing workshop

(FISAT). The workshop was aimed to have hands-on experience on LTspice, which is an Electronic Design Automation (EDA) tool. The workshop was organized by the ECE Department of FISAT and was conducted in the Microprocessor lab. The session was attended by first year students of ECE

❖ Outcome based education (OBE) orientation for students

Group advisors gave insights to students of all semesters of ECE on outcome based education (OBE) and its significance. These interactive sessions gave students a better perspective towards learning objectives.

Blooms Taxonomy - Revised

Creating
Evaluating
Analyzing
Applying
Understanding
Remembering

❖ Electronic product design competition

Hobby club of ECE department organized an electronic product design competition for S4,S6 and S8 students of ECE on 29th Jan 20. Students exhibited their academic/hobby projects and first and second positions were given out.

Students Achievements

❖

JOSE BEN
S1 ECE-B
(2019 admn)

❶ 1ˢᵗ prize in SIMHACK by IEEE Robotics & Automation Society, IEEE Kerala Section.

❷ 9ᵗʰ runner-up in Code in Lockdown (National Level Coding competition) by IIEEE Robotics & Automation Society, IEEE Kerala Section.

❸ 3ʳᵈ prize in letZcode 1.0 by IEEE FISAT SB

❖ Akhil Roy of S8 ECE (2016 Admission) won the Silver medal in Javelin throw event of APJAKTU Athletics championship at Thiruvananthapuram.

❖ Alex Jolly of S8 ECE (2016 Admn) attended Fab15 Program held in Egypt from July 28th – Aug 2nd 2019.

The FAB Festival is an event open to the general public hosting a number of free workshops to give everybody the opportunity to get their first hand experience on different digital fabrication processes and tools Each year members of more than 1,600 worldwide Fab Labs gather to share, discuss, collaborate and create communities around the different local and global interests regarding digital manufacturing, innovation and technology. This international event gathers both field practitioners and laboratory researchers for a week of panels, talks, hands-on workshops on the principles and applications of digital fabrication. Alex participated for the event FAB Project Blast. Only 3 projects were selected from India. His project named IRIS (Intelligent Realtime Interactive System) was one among them. It is basically interactive mirror developed in FAB lab showing live news updates, weather forecasting, calendar, time and so on. It can also answer user's queries and can recognise people as well as their emotions using Deep Learning and image processing technologies. The project had ierfaced technologies like artificial intelligence and internet of things to form a new platform called intelligence of things.

❖ Alex Jolly was also the Winner of AI Fest 2.0

The AI FEST was conducted by Innovation and Entrepreneurship Development Cell - College of Engineering Thalassery (IEDC COET) powered by Kerala Startup Mission (KSUM). A I FEST 2.0 is an event mainly based on Artificial Intelligence and other related fields. The event is packed with many

Alex Jolly presenting his project at FAB Festival, Egypt

fun activities and talks by experts from leading companies and organizations like Google, Microsoft, Tinkerhub etc.AI fest builds platform for AI enthusiasts to exhibit their project infant of industrial experts. It was a project presentation in front of a group of AI enthusiasts. Alex participated with a team of 4 members and he presented the project IRIS(Intelligent Realtime Interactive System).

❖ Prizes for dancing competitions :

Name	Prize	Venue	Date
Sreya K V	Second	Naipunya Business School, Karukutty	Jan 14ᵗʰ 2020
	First	St Peter's College, Kolenchery	Jan 23ʳᵈ 2020
	First	St Albert's College, Ernakulam	Jan 24ᵗʰ 2020
	First	Sacred Hearts College, Thevara	Feb 8ᵗʰ 2020
Vysakh V	First	Illahia College of Arts and Science, Muvatupuzha	Feb 11ᵗʰ 2020
	Third	SNMIMT, Maliankara	Feb 20ᵗʰ 2020
	Third	Government Engineering College, Idukki	Feb 22ⁿᵈ 2020

❖ FISAT shuttle badminton team won second Runner up in the APJA KTU Tournament held at MA college, Kothamangalam. Danish Muhammed, student of final year ECE, was a member of the team.

Danish Muhammed at position 4 from top left corner

❖ SebinThankachan of final year, ECE secured 3rd position in the "Qurious'20 Electro Quiz" organized by the industry application society chapter of IEEE SB SJCET on 23rd Apr 2020.

Industrial visits

A study tour was conducted from 20th Feb to 23rd Feb 2020 by 3rd year students of ECE A and B batch (2017 Admn).ECE-A Batch visited Desabhimani, Kannur and ECE-B batch visited SMEC labs,Calicut as part of their industrial visit.

Mr. Benoy Abraham, Ms. Sreelekshmy S and Ms. Gayathri I K , Asst. Profs, ECE department with Students of S6 ECE A Batch during their visit at Desabhimani, Kannur.

Ms. Deepa N R and Mr. Anoop E G, Asst. Profs, ECE department with Students of S6 ECE A Batch during their visit at SMEC labs Calicut

Industrial visit to CIAL Kochi

The Electronics and Communication Engineering department of FISAT organised an industrial visit to Cochin international airport solar power plant and radar station on 24th October 2019 for 2017 batch. The industrial visit was of one day started from CIAL and ended up at the rear station.

Mr. Anoop E G and Ms. Gayathri I K, Asst. Profs, ECE department, with students of S6 ECE A Batch

Ms. Nimmy M Philip and Ms. Deepa N R, Asst. Profs, ECE department, with students of S6 ECE B Batch

Technical news letter of ECE department, 'Eclectic Soul' was released on Dec 2019. The newsletter comprised mainly of project details of final year students (2015-19 Batch). It also published selected articles of students on upcoming technologies in the field of Electronics and Communication.

TEACHER'S DAY CELEBRATIONS

Students of final year ECE organized teacher's day celebration. Students shared their love for their teachers by giving the department a memento as a token of respect. They also presented rose flowers to all the teachers in the department.

Dr. Mini P.R, HoD of ECE Dept receiving memento from students

HIMA MEMORIAL AWARD 2019

2016 BATCH

Anushka Mary Jose
Best performer from Third year ECE.

Fyna Francis
Best performer from Second year ECE.

MEMORANDUM OF UNDERSTANDING

Department of Electronics & Instrumentation signed Memorandum of Understanding with two industries on 5th& 6th of February 2020. Through this Students of Electronics & Instrumentation can undergo internships and do their projects in these companies. Students and teachers can visit these industries to understand and learn latest technologies. Industries are

1. HemanRobopark, Mookkannoor, Angamaly (Largest automated multilevel car parking system manufacturers)

2. Quartet Baloons, Keerampaara, Kothamangalam (fully automated high quality balloons manufacturers)

Dr.Abi P. Mathew (Associate Professor-for EIE,FISAT) and Mr.K.T.Jose (M.D, HemanRobopark) signing MOU)

Dr.Abi P. Mathew (Associate Professor-for EIE,FISAT) and Mr.Praveen for Quartet Baloons signing MOU)

AWARDS & RECOGNITION

Mrs.BeenuRiju, score 90% (Topper 5%) for the course "Enhancing soft skills & Personality" conducted by IITK. She also mentored 18 students for the same course and all the students who have appeared for the exam got pass mark.

Ms. Lakshmi Nandakumar was consecutively awarded 3 times by IIT for being the top performing mentor for the following courses during past 1 year: Introduction to Cloud computing, Introduction to IOT and Hardware Modeling using Verilog.

Departmental achievement

The Electronics & Instrumentation department got special appreciation from Mayor of Cochin Corporation Mrs. Sowmini Jain for the project work "Portable Sanitary Napkin Incinerator"done by Mr. Rubaan N R, Mr. Rohan R, Ms. Swetha Umesh under the guidance of Mrs.Raji P, Assitant Professor,EIE

SOFTWARE ENGINEERING – INDUSTRY PERSPECTIVE

A one day faculty development program was conducted by EIE department in association with Tata Consultancy Services on Software Engineering-Industry perspective by Mr. Arun Rajashekaran, Software Engineer, TCS on October 24th 2019. Fifteen faculty members from various departments participated in the program.

RESEARCH PUBLICATIONS

Mrs. Sreevidya P

Sl. No.	Paper Title	Journal/Book chapter	Month & Year
1.	Performance Analysis of NASNet on Unconstrained Ear Recognition	Studies in Nature Inspired computational intelligence, Springer Link	January 2020
2.	Compressive Sensing Aided Collision Avoidance System	"The Cognitive Approach in Cloud Computing and Internet of Things Technologies for Surveillance Tracking Systems", Elsevier	March 2020
3.	Sentimental Analysis by Deep learning approaches	TELKOMANICA	April 2020

NATIONAL STUDENTS CONFERENCE (NSC-AGE)

National Students Conference on Automation & Green Engineering (NSC-AGE), organized by department of Electronics & Instrumentation in association with IDEA (EIE Student's Association) and ISA on 3rd May 2019, aimed to bring together academicians, scientists, Research scholars and Students, to share and disseminate information on scientific research related to automation & green engineering and confer about the practical challenges encountered and the solutions adopted. The program additionally featured two workshops, IOT workshop for college going students and Toy car making workshop for school going students. 42 students actively participated in IOT workshop and 32 for school going students in Toy car making workshop. Project exhibition by final year Electronics & Instrumentation students of FISAT was organized along with this conference.

IDEA-ASSOCIATION ACTIVITIES

LATEX WORKSHOPS

The hands - on session on Latex documentation software was handled by Mrs. Parvathy R, HOD, EEE Department on 10th April 2019 for S8 EIE students & also by Mrs. Sreevidya P for S2 EIE students on 12th April 2019 . They explained the basics like how to make a report starting from texts, chapters, image insertion, table insertion, organizing into chapters and sub sections etc. The hands on session were done using online LaTex documentation.

FUSION 360

A hands on session on Fusion 360 software was given to S3 EIE students by Mr. Vijay Rajeev & Mr. Krishnanugrah S, (Alumni,EIE) along with Assistant Professors, Mrs.Sreevidya P &Mrs. Beenu Riju as workshop coordinators. The session was very useful & interesting as it helped to enhance the creativity of students while designing new products.

TECHNICAL TALK: DEVELOPMENT OF THINKING COMPUTER SYSTEM

The technical talk on "Development of Thinking Computer System" was given by Mr. Lithin K. Devasia of Networkz Systems for students of S5EIE. He explained the basics of Machine Learning and the importance of studying it. Machine learning is an application of artificial intelligence that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. He also focused on the importance of Machine Learning with Python.

WORKSHOP ON MACHINE LEARNING & IOT

A workshop on Machine learning & IOT was given to S4 EIE students on 15th Jan 2020 by Mr. Arun U &Ms. Arathi E (Alumni,EIE) with the help of Mrs. Sreevidya P &Mrs. Beenu Riju. They explained the basics of machine learning and also conducted hands on session for the students to familiarize the concepts.

ISA-FISAT SECTION DAY 2019

ISA-FISAT Student Section and Electronics & Instrumentation Department celebrated 25th October 2019 as iSA FISAT Section Day. A inter collegiate PLC programming contest was conducted on the day, in which 34 students from different colleges participated. Colleges include PSG College, Coimbatore, SAINTGITS, Kottayam and Rajagiri, Kochi apart from FISAT. Technical partner for the conduct of LADDER IT (PLC programming contest) was CONSYST Technologies, Kochi. It was conducted from 11 am to 2 pm and Mr.Sreejith.V, Project Manager of CONSYST Technologies evaluated the programs and winners were identified. From 2.30 pm to 3.30 pm, an experience sharing session by Mr. K.T. Jose, Managing Director of Heman Robopark (famous for their automatic multilevel car parking system) was conducted for the students followed by the valedictory ceremony. Principal Dr. George Issac presided over the function. Owing to the technological contributions made in the field of automation, FISAT ISA Section then honored Mr. K.T. Jose with "The ISA FISAT Person of the Year 2019" award.

"DESIGNING IN INDUSTRY" HANDS-ON WORKSHOP

A one-day workshop on 'Designing in Industry' was conducted by Rahul Ravi (EIE Alumnus, FISAT), who is currently working as a Product Designer for Hortari Technologies. The main focus of the daylong event conducted for the S1 EIE students on 30th July 2019, was to give a brief on how the modern mobile applications are changing the human lifestyle, importance of design in a day-to-day life, product marketing strategies, steps in product designing, and finally the scope of a graphic designer as per the current market trends. In the afternoon session students were given a hands-on experience in UI/UX designing using an online designing tool – Figma followed by a group activity, at the end of which they had to come up with ideas and present them in front of the class.

PLACEMENT AWARENESS TALK

A Placement Awareness talk was arranged for the students of S2 EIE & S4 EIE by the Placement Officer, Dr. Unnikartha G. He explained the importance of studies and how to ensure a quality education so as to achieve remarkable achievements in future. Placement training plays a major role in shaping up the career goals of students by developing employability skills required for real-life work. He advised students to dream high; a holistic approach will help to mould an industry ready professional who can take up the challenges of the modern world.

ARDUINO WORKSHOP

One day hands- on workshop on Arduino was handled by Mr. Neeraj P.M, Research Associate, FAB LAB on 5th August 2019. He explained the basic working and uses of Micro controllers and Microprocessors with examples. The hands on session were performed using the ATmega328 in Arduino boards. Interface between Arduino and different kinds of sensors were also shown. The session was conducted for S5 EIE students.

STUDENTS ACHIEVEMENT

Mr. Ajay Baby & Mr. Vishnu K S of S6 EIE won first prize with a cash prize of Rs.1,00,000 in India Skills Kerala 2020, State level finals in the category Mobile Robotics.

Mr. Hari Govind, Mr. K J Abdul Muhzin, Mr. Yadunath Poduval were funded Rs 10,000 by Kerala State Council for Science, Technology and Environment (KSCSTE) for their project 'Integrated Fire Fighting System with an Array of Robots' with Mrs. Sreevidya P, Assistant Professor, Special Grade, EIE, as principle investigator.

Ms. Athulya Sreekumar, Ms. Bhavya P, Ms. Raichu Mary Mathew &Mr. Ajay Baby with the guidence from Mrs.Raji P, Assistant Professor, EIE participated in Young Innovators program (2019-2022) KDISC& KSUM& got prize for their project "Sonic Sanitary Cleaner" at state level competition .The above team along with Mr. Abel B C, Mr. YadhuKrishna, Mr. M Vishnu were also the finalists of Smart India Hackathon (AICTE).

Mr. Akash Anil, Mr. Akshay Vellarackal, Mr. Jins George & Mr. Jacob Thomas with the guidance of Dr. Anish Mathew participated in Young Innovators program (2019-2022) KDISC & KSUM & were selected as the finalists for their project "Wireless charging of Drone" at state level competition.

"Smart Milk Tester" a final year project done by Ms. Ligna Willy, Ms. L S Lekshmi, Ms. Dincy Francis & Ms. Amrutha A Nair with the guidance of Mrs. Raji P, Assistant Professor, EIE, participated in the semi finals of Smart India Hackathon (AICTE).

Mr. Cyril Mathew, Mr. Yadhu Krishnan & Mr. Joseph Thomas of S6 EIE won Third prize in the event "Technovation", organized by Jyothi Engineering College as part of THARANG2020 held on 6th & 7th March 2020.

TOPPERS

2016-2020 BATCH

1st Position	2nd Position
NEENU S BHARATHI	NAJLA M N

2017-2021 BATCH

1st Position	2nd Position
ATHULYA SREEKUMAR	AKASH ANIL

2018-2022 BATCH

1st Position	2nd Position
DERIN T JOSE	GOKUL REJITHKUMAR

2019-2023 BATCH

| 1st Position	2nd Position
CLINTO JOSE	AARON SABU JOSEPH

Mr. Akash Anil, S6 EIE secured bronze medal at Wako Indian open International kick boxing tournament held at Talkatora Indoor Stadium, NewDelhi

Mr. Joseph Thomas of S6EIE has participated in Best Project Manager and secured second prize in BHRAMA'20 conducted by Adishankara institute of Engineering & Technology, Kalady.

SECON2020 - The first international conference hosted fully online

The International Conference on Structural Engineering and Construction Management was conducted on the 14th and 15th of May 2020. The theme of the conference was "Innovative Practices in Construction, Rehabilitation and Demolition of Structures'' and had seven sub themes through which a wide range of issues were discussed in the conference. Dr. Rajashree M S, Honorable Vice Chancellor of APJ Abdul Kalam Technological University inaugurated the conference. Two keynote lectures were presented by Prof. Ir.Ing Serge Vandemeulebroecke, Visiting Professor, University of Antwerp, Belgium and Prof. Ir.Lic.Bart Van Zegbroeck, Visiting Professor, University of Hasselt, Belgium during the inaugural function. The conference was conducted in association with ASCE, ICI, IEI and Paradigm Consultants Pvt. Ltd. A total of 315 submissions were received from across the country and abroad of which 160 were shortlisted and 85 were accepted for presentation and publication after intrinsic reviewing and plagiarism check. The accepted papers will be published by Springer.

Dr. Kavitha P E and Mr. Jawahar Saud S were the conveners of the event. Owing to the COVID-19 Pandemic, the conference was completely hosted on the online platform Google Meet. The team effort of the faculty in planning and coordinating the event completely was widely appreciated by the chairs, authors and participants. They also positively commented on the initiative taken by the department for hosting the event online.
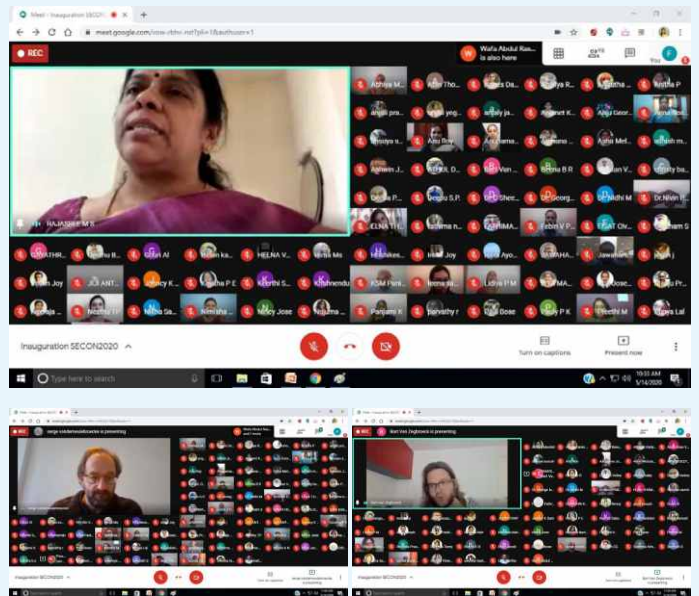
Site visit to Idukki and Kulamavu Dam

A one-day site visit was effectively coordinated by the third semester students of the Civil Engineering Department to Idukki Kulamavu Dam, Idukki Cheruthoni Dam, Idukki arch Dam and Kuruthavi tunnel on 11th October 2019. The desired objective was to familiarize the students with field work learning experiences. They were accompanied by the faculty Mr. Sreerath.S and Ms. Gayathri Krishnakumar, Assistant Professors, Department of Civil Engineering.

Technical talk on ergonomics

A technical talk on Ergonomics by Mr. Manoj Thomas, Associate Consultant, TATA Consultancy Services Ltd, was organised by ACE, the student's Association of Civil Engineers, on 15th October 2019. Mr. Manoj Thomas has more than thirteen years of unequalled industrial experience. He is a competent HSE specialist and practitioner who is capable of "thinking out of the box" with vast experience in manufacturing and consulting. The talk saw participation of about seventy-five students from among 1st, 2nd, 3rd and 4th years.

Farewell of American Society of Civil Engineers (ASCE) FISAT Chapter Members

A farewell program 'KIBITS' was organized on 5th July 2019 for the ASCE members of batch 2015-2017, who would be embarking on the next stage of their learning journey. The program commenced at 10:30am in the Advanced Computing Lab. Ms. Pooja and Ms. Priya enthusiastically shared their experiences of working as a member of ASCE. They further delineated the significance of diverse programs that need to be encompassed under ASCE and an immediate action plan was initiated by scheduling talks, quizzes and by deciding on the upcoming competitions. Apart from the ASCE members, the Head of the Civil Department Dr. UnniKartha G., faculty Ms. Neeraja N and Mr. Sreerath were other notable attendees.

Technical Talk and Site Visit in association with Construction Philosophy

A technical talk on "Future Fit" by Ms. DivyaDivakar, Executive editor of Construction Philosophy Magazine was organised by ACE, the Association of Civil Engineers on 23rd of October 2019. Ms. Divya Divakar is a Structural Engineer whose expertise in the field is unparalleled. She started her career in the bridge dept of L&T Infra Engineering Ltd, Chennai. The talk was followed by the student's field trip to Palarivattom Bridge the next day on 24th October 2019. Ms. Divya Divakar and Mr. Allan (Construction Philosophy), elaborately detailed the several design flaws and construction errors that led to the Palarivattom bridge closure.

Design Project Exhibition - Consilio 2k19

Consilio was a one-day exhibition organized by the Association of Civil Engineers (ACE) on 14th November at 9:30 AM in the FISAT seminar hall to showcase the Design Projects which was part of the curriculum evaluation process of the fifth semester B. Tech programme. The event was also intended to distinguish and reward a few noteworthy projects. The program was inaugurated by the Principal, Dr. George Isaac. The formal welcome note was delivered by Dr. UnniKartha G., Head of the

Department of Civil Engineering, where he also applauded the students for their sincere efforts. After which the awards for the previous Consilio 2018 as well as for the winners of Cube Casting and Quiz competitions were handed over.
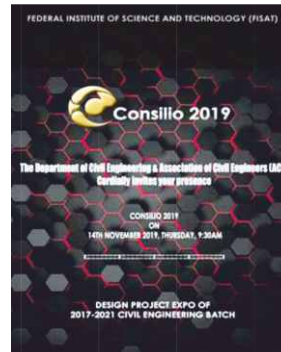
EVENT	PRIZE WINNERS
Best Design Project	Vishnudatha V, Ria Mariam Sabu, Surjith V R, Midhun Joby
Best Industrial Relevant Project	Avanthika B, Anagha R Nath, Arya S M, Anitha Jose
Best Innovative Projects	Abhisek Babu, Arjun N, Dani Thomas, Jeffrey Michael
Quiz	Gladis M S, Sona Jose, Rizwi Liakath
Cube Casting	Arjun S, Afya K Sunil, Aslam K Sidhik, Aswathy Madhu, Athulya Rajeev, Ayana Stanly, Blessan Baby,c P Siddarth Raj, C T Ahammed Thanveer

Placement 2K19

JEFFREY MICHAEL
CIVIL - A (2016-2020)

KRISHNA K RAJ
CIVIL - A (2016-2020)

Krishna K Raj and Jeffrey Michel of S8 Civil A batch were successfully placed in TCS during the recruitment process conducted in August 2019.

Technical Talk on "Rehabilitation of structure under distress" by Prof. Dr. N Ganesan, NIT Calicut

Prof. Dr. N Ganesan of NIT, Calicut, delivered a Technical Talk on "Rehabilitation of structure under distress" on 4th October, 2019 which was organized by the ACE. The session was insightful and proved to be a stimulating eye-opener for all the civil engineering students. The technical talk emphasized caution on how precarious and challenging the road ahead can be. The topic included various construction and fabrication blunders that posed huge threats to human life. Into an hour, he was successful in discoursing a brief outlook into what the world has to offer. He recounted various up-to-date illustrations thus underlining the present-day importance of the field.

TECH TALK ON "WHO IS A REAL ENGINEER"

A seminar on "Who is a Real Engineer" by Mr. Mathew David, Executive Editor of Construction Philosophy was organized by ACE, the student's Association of Civil Engineers on 11th of February 2020. Mr. Mathews David holds his Master's degree in Transportation Engineering from New Jersey Institute of Technology, USA. He is a Chartered Engineer of the Institution of Engineers, member of the American Society of Civil Engineers, licensed professional engineer of NJ and PA, and a fellow of the Institution of Engineers, India.

SITE VISIT to construction site of Lulu Mall, Kazhakoottam, Trivandrum

The third semester students of the Department of Civil Engineering proceeded on a one-day field visit to the construction site of Lulu Mall, Kazhakoottam, Trivandrum on 06th of March, 2020. The objective was to ensure the acquaintance of students with varied phases of construction work involved in large projects.

TOPPERS

B.TECH 2016 BATCH

1st Position — Vishnudatha V
2nd Position — P S Sethulakshmi

B.TECH 2017 BATCH

1st Position — Swetha Maria Charles
2nd Position — Megha Krishnan

B.TECH 2018 BATCH

1st Position — Theresa Jojo
2nd Position — Gokul S

B.TECH 2019 BATCH

1st Position — Vinaya Happy
2nd Position — Nidhi V Sathian

SECM M.TECH 2018-20 BATCH

1st Position — Anju George
2nd Position — Anjana Chandran S

SECM M.TECH 2019-21 BATCH

1st Position — Anandakrishnan G
2nd Position — Neethu T P

Report on Autodesk Introductory Session

A preliminary session of the Autodesk software was arranged by the EEE department for the 8th semester students. The session was carried out on 29th January 2020 (Wednesday) by three eminent persons, Mr Pradeep, who acquired B. Tech in EEE having an experience of more than 8 years in MNCs in India and abroad, Mr Sinso Joseph and Ms Ancy from Cadd Campus.

The program included various topics such as introduction to BIM(Building Information Modelling), MEP(Mechanical, Electrical and Plumbing) as well as the product demo on Revit MEP, which is the advanced BIM software so far. This indeed helped the students to interpret the importance of the software when it comes to working environment as well as on the job premises.

Almost 90% of construction industries use Revit software for BIM. Hence with the indepth knowledge of BIM software such as Revit MEP, Architecture, Structure and Navisworks, more job openings in the construction industry for Civil, Electrical and Mechanical engineers will be accomplished. The various job opportunities include BIM modeller, HVAC designer, Electrical designer, Piping and Plumbing designer as well as MEP coordinator. Also the Indian government is going to implement BIM in future construction projects as well.

The session was concluded by the instructors briefing on the various courses offered at their institution and with the feedback from student representative.

Report on the Project Expo-Disegno 2019

The Electrical and Electronics Department of FISAT had organized its Project Expo DISEGNO on 25th November 2019. The students of fifth semester participated in this event. It was arranged in the Project expo lab and started at 9.30 AM.

Many interesting and innovative ideas where brought up by students. All students successfully brought each project up without any difficulties. The project topics covered where piezo electric shoes, camslider, automatic coconut scraper, automatic billing shopping cart, fire fighting robot, intelligent cradle, coffee alarm, mini fridge, BMI calculator, IOT based water level indicator, disinfectant towel dryer, biometric door lock system, automatic plate cleaner, automatic white board cleaner and contactless tachometer.

The valuation of each project was done by a faculty member of our department, Mr. Muhammed Noufal C and the HOD of Civil department, Dr. Unni Kartha G. The students and teachers from various departments visited the exhibition and interacted with the participants to understand more about the projects. Best project ideas were announced and cash prizes were given out, the best project idea was given to IOT based water level indicator and two consolation prizes where given to the topics, automatic billing shopping cart and automatic white board cleaner.

The event was concluded by 12.30 PM. The expo 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.

CLASS TOPPERS

B.TECH 2014

1st Position
Bijoy J Raj

2nd Position
Keerthi Unni P U

B.TECH 2015

1st Position
Gukul Sathyanath

2nd Position
Gayathri P Kumar

B.TECH 2016

1st Position
Sudina Stephen

2nd Position
Resha Reji

ILLUMINAR 2K19 REPORT ON THE PROJECT EXHIBITION

The Electrical and Electronics Department of FISAT had organized its Project Exhibition Illuminar 2K19 on 14th May,2019. The students of eighth semester participated in this event. A technical talk on "X-by-wire systems – Advent of electronics in the Automobile industry" handled by Mr. Naveen R was arranged at the conference hall at 10 AM. The project expo started by 11:30 AM was inaugurated by honourable Principal of FISAT, Dr. George Issac.

The exhibition covered following Projects: Smart glasses, Rubik's cube solver, Unmanned aerial vehicle, Wireless fast charging of electric vehicles with renewable energy, Automatic flood gate system for dam safety, Automated ration vending machine, Charger using thermoelectric generator, Smart fuel station, A EMO-BOT, Blink to speak: Approach to paralysis using image processing, Stable balancing of inverted pendulum, Self-balancing two wheeler vehicle, Hand gesture controlled drone, Autonomous car using machine learning, Hand gesture vocalizer, Smart waste bin for smart waste management.

Dean student affairs Dr. Sunny Kuriakose, 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. Naveen R, Associate Software Engineer, Robert Bosch Engineering and Business Solutions Pvt LTD. Three awards:

1. Edison Award for the best innovative project was shared by two teams with projects: A EMO-BOT and Wireless fast charging of electric vehicles with renewable energy.
2. Tesla Award for socially relevant project was bagged by the team with project: Smart waste bin for smart waste management.
3. Faraday Award for the best completed project was bagged by the team with project: Stable balancing of inverted pendulum.

The awards were distributed in the valedictory function held at Conference hall by 2:45 PM. Evaluator of the exhibition Mr. Naveen R, HOD of EEE Department Mrs. Parvathy R and all teachers from our 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.

A talk on X-by-wire systems-Advent of electronics in the Automobile industry

The Department of Electrical and Electronics Engineering has arranged a technical talk on 14 May 2019 from 10.30 am to 11.30 am in the conference hall for 3rd year EEE students. The resource person for the talk was **Mr. Naveen R**, Associate Engineer, Robert Bosch Engineering and Business solutions Pvt Ltd. The topic was **"X-by-wire systems-Advent of electronics in the Automobile industry"**.

He started the session by introducing himself and specified the role of an electrical engineer in the automobile industry. The main topic for the talk was current trending technologies and forthcoming technologies which is going to transform automobile industry. He mainly discussed about **Antilock Braking System** (ABS) and **Electronic Brake-Force Distribution System** (EBD).Since he has been working in the control system department, he gave a clear picture about the applications and significance of control system while designing an automobile. This helped the students to understand application of controllers in real life.

He took the whole session with the help of a presentation containing couple of videos and pictures so that the session was very interestingand at the same time was effective. At last, he also discussed the technical related doubts raised by students and faculties.

KSEB 11th Seminar Series Competition-Report

The Kerala State Electricity Board Seminar series is an annual event hosted by the KSEB Engineers Association. The series provides a platform for budding engineers to understand the practical aspect of power system engineering and the issues faced by the industry.

This year the KSEBEA organized its 11th seminar series competition. The topic of discussion this year was POWER RESILIENCE IN KERALA PERSPECTIVE. The event was conducted in college level during the last week of January 2020. The college level competition at FISAT was conducted as per the instructions from organizers in the department. Two teams were selected for the district level competition from the college level competition

The district level event was conducted on 1st February 2020 at Muthoot Institute of Science and Technology and saw participation from various colleges. The event saw the presence of many eminent individuals of the Power Sector of the state. In the district level competition the first prize was grabbed by Devaki Rajesh and Ben Mathew Peter of S8 EEE and second prize was awarded to ReshaRegi M and MeghaShaju of S8 EEE from FISAT.

Project Expo-Disegno 2019

Power Quiz

The Kerala State Electricity Board Officers Association had conducted the college level power quiz on the 3rd of October 2019 at Federal Institute of Science and Technology. The power quiz is conducted every year by the association. The KSEB Officers association wants to bring knowledge and awareness in the field of electricity to the promising youths of tomorrow, through this quiz. The quiz is conducted for the students in 12th grade, polytechinical, engineering and normal college students with the motto 'Power to Rebuild'. The quiz is conducted first at college level, district level and then the finals at the state level.

The power quiz at Fisat was held on the 3rd of October at1:30 in the drawing hall at the college campus itself. All the registered participants were told to come on time. KSEB Officers of the nearby offices gave the students some brief introduction about the quiz.

The quiz question where a mixture of electrical based question , general knowledge and current affairs.As the quiz started students were very eager to answer each and every questions. The quiz was winded up by 3.00pmand the winners were given prizes.Prathyush J K of S1 EEE and NikithaMariyamBiji of S5 EEE were selected to the next level of competition which is scheduled at BharathMathacollege,Trikkakkara. The best part of the quiz was that students were able to acquire a lot of knowledge mostly on KSEB , their services and electrical related matters.

CLASS TOPPERS

B.TECH 2017

1st Position
Roshini V G

2nd Position
Sandra Sunny

B.TECH 2016

1st Position
Reshmi Retanan

2nd Position
Anupama Narayanan

B.TECH 2017

1st Position
Linu Jose

2nd Position
Gopika Rajan

NATIONAL SCIENCE DAY CELEBRATIONS 2020
on 5th March 2020
Erudite Lecture Series
ORGANIZED BY DEPT. OF MECHANICAL ENGINEERING

FIFTH IN SERIES GUEST LECTURE

Resource Person: Dr. Muralee Thummarukudy,
(Chief, Disaster Risk Reduction, UN Environment)

The Department of Mechanical Engineering, Federal Institute of Science and Technology (FISAT) has organized an invited lecture in connection with National Science Day celebrations on 5thMarch 2020, where Dr. Muralee Thummarukudy, Chief, Disaster Risk Reduction, UN Environment Programme was the resource person. This was the 5th lecture in their Erudite Lecture Series organized every year.

Relevance of the Programme:

National Science Day is celebrated all across India with great enthusiasm on 28th of February every year to commemorate the discovery of the 'Raman Effect' by the Indian physicist, Sir Chandrasekhara Venkata Raman, popularly known as CV Raman. He was awarded the Nobel Prize in Physics in the year 1930 for his excellence and perseverance in the field of Science.

The 28th of February, 1928 witnessed the discovery of this noteworthy phenomenon. For this reason, the National Council for Science and Technology Communication (NCSTC) recommended to the Indian Government to designate 28th of February as National Science Day in the year 1986 to honour this great personality.

Sir CV Raman conducted research on many aspects of physics among which the 'Raman Effect' became his mind-blowing success and discovery which has been marked in Indian history. Raman Effect is a phenomenon in spectroscopy discovered by the eminent physicist while working in the laboratory of the Indian Association for the Cultivation of science, Kolkata. His inventions and efforts were appreciated by honouring him with various awards including the Nobel Prize in the year 1930. In the year 2013, the 'Raman Effect' was designated as an International Historic Chemical Landmark by The American Chemical Society. Hence the National Science Day is a great day for Indian Science and scientific community. The basic objective of observation of National Science Day is to spread the message of importance of science and its application among the people.

The function began with an invocation and Mr. Sachin Jacob Paul, Treasurer of the Governing Body of Federal Institute of Science and Technology (FISAT) welcomed the gathering. Ms P Anitha, Chairperson of the Governing Body of FISAT presided over the function and delivered the presidential address. Mr. Aneesh Kumar R, Vice-Chairman, Governing Body of FISAT was also present during the function.

Dr. Muralee Thummarukudy addressing the gathering

Dr. Muralee Thummarukudy, Chief, Disaster Risk Reduction, UN Environment Programme was the chief guest and he inaugurated the function through his inaugural address. His introductory remarks about the relevance of national science day and the Nobel Prize winner CV Raman were informative and well applauded. Later he delivered the key note lecture based on the theme "Future of engineering and how to engineer your future".

Dr. George Issac, Principal, FISAT delivered the vote of thanks. Dr. K.S.M. Panicker, (Director-Academics), Dr. C. Sheela, (Vice Principal), Dr. Sunny Kuriakose A., (Dean-Student Affairs), Dr. Jose Cherian (HOD, Mechanical Engineering) were also present during the inaugural function and extended their whole-hearted support.

List of students for Perseverance award (2019)

Admission Year	Current Semester	Name of the student	CGPA
2014	Pass out	GEORGY JOSEPH THOMAS	8.60
		SAFWAN T H	8.45
		DILEEP DINESH	8.29
		AJITH P A	8.25
2015	S8	MIDHUN SURESH C	9.34
		YADUKRISHNA B	9.04
		VIVEK C RAVI	8.93
		BASIL SHAJU	8.81
2016	S6	BINIL JOHN	9.47
		SIVAPRASAD S	9.10
		ADARSH E	9.06
		AMAL SHAJI	9.00
2017	S4	NAMITHA KRISHNAKUMAR	9.87
		SANDRIO JOSE	9.26
		ANJU KRISHNA P	9.18
		ANANDU VENUGOPAL V	9.14

HPVC INDUCTION PROGRAM

On 26th October 2019, members of the ASME FISAT chapter organized an induction program for the students of TKM college of Engineering, Kollam. The students attended the induction programme to get a basic understanding about the HPVC[Human powered vehicle challenge] organized by ASME[American society for Mechanical Engineers].The HPVC challenge is an international event attended by engineering students from all over the world.

The students of TKM College of engineering arrived at FISAT campus by eleven in the morning. The participating students were first taken to mechanical lab where they were introduced to the vehicles designed and engineered by the students of FISAT ASME chapter , SATVAN 2.0 and SATVAN 3.0.The advantages and features of the vehicle was explained to the students. They were given an idea about the various drawbacks and difficulties that where faced during the manufacturing phase of SATVAN and how they were overcome by some design tweaks.

After this session, a doubt clearance session was held during which the students could ask any doubts regarding the SATVAN to get a better understanding about human powered vehicle .The doubt clearing session was wound up by twelve in the afternoon. The students were then given a lunch break for a duration of one hour.

The second session commenced after the lunch break. The afternoon session was basically an interactive session where the participating student could ask their doubts regarding HPVC. In the afternoon session the senior members of ASME FISAT Chapter explained the basics of HPV design, different types of HPV along with their advantages and disadvantages. Also, the construction and fabrication process of SATVAN was explained. A detailed explanation of the rules and regulations of the HPV Challenge was given and the students were given an idea about the necessary documentation required for participation with appropriate examples.

The gathering was then addressed by the Head of Mechanical Department, Dr. Jose Cherian. He explained about the importance of maintaining a healthy relationship between students and how they can learn from each other and build their knowledge. This was followed by a speech from Mr. Sajan S, Assistant Professor Mechanical Department in which he encouraged the students to participate in such events and gave them a brief description about various clubs that comes under the ASME FISAT chapter.

The induction program was concluded with an experience sharing session where the students shared their experience and how it has been a stepping stone to their future endeavours

PhD Degree Awarded

Dr. Miidhun Paul, Assistant Professor (Spl. Grade), Department of Mechanical Engineering has been awarded Ph.D. Degree from the National Institute of Technology (NIT) Calicut, for his thesis entitled ".MULTI-OBJECTIVE SCHEDULING OF AN ASSEMBLY JOB SHOP: MODELLING AND ANALYSIS"

PhD Degree Awarded

Dr. Rejeesh C.R., Associate Professor, Department of Mechanical Engineering has been awarded Ph.D. Degree from Cochin University of Science & Technology, Cochin for his thesis entitled "INVESTIGATION INTO CHEMICAL TREATMENT OF MEDIUM DENSITY COIR FIBRE BOARDS FOR ENHANCING FIRE RETARDENT PROPERTIES"

KTU research supervisor

Dr. Rajeesh C R, Associate Professor, Mechanical Engineering Department is appointed as KTU approved research supervisor.

ASAP Online Classes

Mr Dileep G, Assistant Professor, Mechanical Engineering Department was highly appreciated for the online classes through ASAP for the 6th-semester students of APJ Abdul Kalam University in the subject 'Dynamics of Machinery'.

Best Paper Award

Mr. Harish T. M., asst. Prof., Dept. of Mech. Engineering, achieved the Best Paper Award for the paper titled "Influence on Micro structural and Mechanical Properties of Keyhole Plasma Arc Welded INCOLOY 800H Super Alloy", in the International conference on Materials and Manufacturing Methods (MMM'19) held at NIT Trichy during 5th -7th July 2019.

ASME TECH TALK

ASME FISAT proudly hosted a tech talk on the 31st of October, 2019 led by Dr. Sabu Sebastian, Associate Director, Scientist F,NPOL (Naval Physical and Oceanographic Laboratory), DRDO.

The event emphasized on professional development, encouraging interaction between students throughout the session, the primary aspect being FATIGUE FAILURE. The attendees were enlightened by the vibrant thoughts and facts that the chief guest delivered. The talk was open to all Mechanical students in the institute.

The session focussed on improving the technical skills of students and how to go about it. Dr. Sabu enlightened on the working processes of DRDO and importance of technical knowledge at the organization. He also focussed on how our verbal skills can improve our professional life. The students were pretty well inspired by the talk which gave rise to various doubts in their curious minds. He culminated professional values in the attendees which aroused the minds of both the faculty and students of the institute.

The session ended with a fantabulous Q & A session which gave rise to thoughtful questions and meaningful answers. This enhanced the quality of interaction between the chief guest and the students. The attendees made it a point to absorb each and every word put in by Dr. Sabu, increasing their potential to survive in today's era.

A quiz competition was also conducted as a part of this seminar challenging the engineer brains of mechanical students. The winners were announced at the end of the session followed by the chief guest doing the honours. The chief guest was honoured by the Head of Mechanical Department for delivering the highly informative session and for the individual he is.

Student Achievements

The team FROZA from S8 Mechanical Engineering, Mr. Amal Shaji, Mr. Feby K Robi, Mr. Amarnath C, Mr. Abhijith S, Mr. Akshay Kumar, Mr. Akhil Aswin, Mr. Akshay Toms, Mr. Anto Paul Sam, Mr. Athul Krishna, Mr. Binil John under the guidance of Mr. Nithin H., Assistant Professor, ME Department, acquired 17th position (first among the teams from Kerala) in SAEISS ELECTRIC TWO WHEELER DESIGN COMPETITION conducted at Bannari Amman Institute Of Technology, Sathyamangalam.

Events	Vehicle Specifications
Brake test	750 W Hub motor
Grade ability	25Ah Battery pack with quick swap technology.
Range test	50 km range
Maneuverability test	60km/h speed
Bump test	Energy efficient LED lighting
Technical inspection	GPS tracking technology
	Rigid Frame
	FRP body panels

Mr. T M Akshay, Ms. Namitha Krishnakumar, Mr. Marshal Sebastian and Mr. Ivin Joffy Mathew, S6 Mechanical Engineering got selected in the second phase (shortlist of 31) of Siemens 'Innovation for impact challenge'. From more than 100+ teams in the contest, from 34 countries the team got shortlisted to the second

SHORTLISTED

Amphitrite
A revolutionary idea, focusing on developing a water purification system which produce drinking water at low cost with minimal energy consumption & efficient brine water management.

T M Akshay
Namitha Krishnakumar
Marshal Sebastian
Ivin Joffy Mathew
India

round. The quality and skill of the team are evident as only 3 teams from India progressed to the second round.

❖ Mr. Sandrio Jose, S6 Mechanical Engineering obtained NPTEL Online Certification with 100% score for the course on "Fundamental of Nuclear power Generation".

❖ Mr. Vishal T Ashwin, S4 Mechanical Engineering bagged 2nd (Silver) position in SAE All India Tier III National level Group Discussion competition.

❖ Mr. Antony Francis & Mr. Thomas C Francis, S4 Mechanical Engineering won 2nd position in SAE INDIA Student Convention Tier II JET TOY - manipulation Competition

❖ Mr. Sidharth Menon & Mr. Vishal T Ashwin, S4 Mechanical Engineering won 2nd and 3rd position respectively in SAE INDIA Student Convention Tier II Group Discussion competition.

❖ Mr. Salih, S4 Mechanical Engineering was awarded Gold Honour in International Astronomy And Astrophysics Competition 2020, conducted by IAAC, Germany.

❖Mr. Akshay T M, 2017 Mechanical Engineering, obtained ASME foundation Variable Scholarship amount of 150 USD.

❖Ms. Anju Krishna, 2017 Mechanical Engineering, interacted with Prime Minister of India as a finalist in Smart India hackathon 2020.

Faculty Publications

2019-20

Name	Article Title	Name of journal with Issue and page number	Indexed in
Rejeesh C. R.	Investigating the Biodegradability and Physical Properties of Starch Derived Bioplastic Films Reinforced with Nanosilica	International Journal of Nanoscience, 18 (6), pp 1850037 (2019) doi: 10.1142/S0219581X 18500370.	ESCI/SCOPUS
Ranjit Joy	Investigation on the Effect of Variation in Cutting Speeds and Angle of Cut During Slant Type Taper Cutting in WEDM of Hastelloy X	Arabian Journal for Science and Engineering, 45, pages641–651(2020)	SCIE/SCOPUS
Harish T M	Assessment of microstructure and mechanical properties of keyhole plasma arc welded similar butt joint of AISI 304H Austenetic stainless steel	Material research express journal-IOP Publishing Ltd Volume 6 – Number 11. DOI : https://doi.org/10.1088/2053-1591/ab4e04	SCIE/SCOPUS
Harish T M	Microstructure and Mechanical properties of similar butt welded Incoloy 800H	Arabian journal of science and engineering, 45, pages1135–1142(2020) – Springer Publication. DOI : https://doi.org/10.1007/s13369-019-04240-8	SCIE/SCOPUS
Harish T M	Development of aluminium 5056/SiC/bagasse ash hybrid composites using stir casting method	Materials Today: Proceedings, Elsevier Ltd. ISSN: 2214-7853. Volume 27, Part3 , 2020, Pages 2635-2639	SCOPUS

2020-21

Name	Article Title	Name of journal with Issue and page number	Indexed in
Ranjit Joy	Six axes robotic arm aiding machine vision	International Research Journal of Engineering and Technology, vol: 7, April 2019	Index Copernicus/ Google scholar
Renjith R	Modal Analysis and Design of Long Span Special Truss Moment	International Research Journal of Engineering and Technology, Volume: 07 Issue: 05 | May 2020	Index Copernicus/ Google scholar
Renjith R	Study of Prefabricated Ultra High Performance Concrete (UHPC) Deck Panel with Different Connections	International Research Journal of Engineering and Technology, Volume: 07 Issue: 05 | May 2021	Index Copernicus/ Google scholar

Conference Publications   2019-20

Name	Article Title	Name of journal with Issue and page number	Indexed in
Ranjit Joy	Investigation of cutting speed, recast layer and micro-hardness in angular machining using slant type taper fixture by WEDM of Hastelloy X	International conference on Materials and Manufacturing Methods-2019	NIT Trichy
Harish T M	Influence of keyhole mode of plasma arc welding on Microstructural and Mechanical properties of similar butt welded Incoloy 800 H	International conference on materials and manufacturing methods 3M-2019 organized by Dept. of Metallurgical and Materials Engg National Institute of Technology, Tiruchirappalli	NIT Trichy
Harish T M	Microstructural evolutions in Inconel 718 weldments : A review	Kerala Technological Congress KETCON-2019	Govt. Engineering College Thrissur

2020-21

Name	Article Title	Name of journal with Issue and page number	Indexed in
Renjith R	Structural performance of GFRP deck strengthened with light weight ultra high strength concrete	SECON2020 (International Conference on Structural Engineering and Construction Management)	Department of CIVIL Engineering, FISAT

ICEFOSS 2020

National Conference on Free and Open Source Software (ICEFOSS -2020) was held on February 3rd & 4th , 2020. The Conference covered different aspects of Free Software. ICEFOSS 2020 was the eighth edition of this Conference. Dr J. Letha, Pro-Vice-Chancellor, Jain University (Former Vice-Chancellor, CUSAT) inaugurated the Conference. Many eminent speakers conducted workshops and classes. There were a large number of registered participants for the Conference.

Mr. Naufal Ibrahim
Free Software Consultant and Trainer

Mr. Johny James
Senior Software Engineer at Myntra

Mr. Midhun K
Senior Software Engineer at United Layer

Mr. Adam Shamsudeen
Research Engineer at Saama

Dr. Sreeraj M
Assistant Professor

"CODISSIA" EXHIBITION

CSE students got an opportunity to exhibit their projects in National Science and Technology Fair 2019 in Coimbatore. Students exhibited their products before the large crowd of around 7 Million. The exhibition was intended to create and encourage a fellow feeling and co-operation among the manufacturers and consumers in Small Industries in Coimbatore District and to evolve a common policy on all subjects involving their common interest. Details of the batches that participated at Codissia

1. Saurav NS, Liya Laiju, Rishad P, Anagha Zachariah, Shemin Anto presented "Acharya : Intelligent E-learning platform" at National Technology & Science Fair, Codissia, Coimbatore August 2019.

2. Aswin Kumar S, Dileep Vijayakumar, Abijith Pradeep, Paul Antony, Jerin Jayaraj presented "VASTRA AI : Designing Textiles using Deep Learning" at National Technology & Science Fair, Codissia, Coimbatore August 2019.

Talk on Agile Technologies on Software Developments

Ms. Roopa K. Nair (Agile Ninja Coach) and Ann Mary Chacko (Project Manager TCS) have given an overview about the concept of Agile technology and SCRUM Methodology on 9th May 2019. The session was extremely enthusiastic and created a sense of competition and interest among all students.

SMRITHI CODING CONTEST

Smrithi coding contest was conducted on 24 April, 2019. It is a technical event where students can showcase their coding skills in a creative and stimulant competitive environment. The event provides a stage to showcase ones skill and find new knowledge.

WINNER OF SMRITHI CONTEST- Yedhin Kizhakkethara -S6 CS B

Blind CODING 2K 19 WINNERS- Yedhin Kizhakkethara -S6 CS B, Albert Francis -S4 CS A, Elizabeth Josy -S6 CS A

CONGRATULATIONS!!

CSE (2015-2019) batch students got second highest position among 135 Engineering colleges in Kerala for the final semester B.Tech Degree examination with 93.91% pass percentage in August 2019.

RESEARCH GRANT

Mr. Jestin Joy, Assistant Professor (Special Grade), CSE DEPT, received Researcher grant from NVIDIA worth 1.5 lakh for HPC research.

RESEARCH FUNDS

The following projects received financial Assistance from Kerala State Council for Science, Technology and Environment under the leadership of Mr. Pankaj Kumar G., Assistant Professor, CSE Department.

1. Title: Cognition Inspired Key Frame Extraction
Members: Linda Joy, Maria Sajan, Saurav N. S., Liya Laiju and Rishad P.
Sanction Date: 16-01-2020

2. Title: E-Learning Platform with Automatic Multilingual Support and Gamification.
Members: Anagha Zachariah C., Aswin Kumar K.S., Dileep Vijayakumar, Paul Antony and Jerin Jayaraj.
Sanction Date: 16-01-2020

THREE DAY WORKSHOP ON "IOT"

The workshop was conducted for three days by ICT Academy, Kerala, organised by CSE Dept. Dr. Sreekanth, Mr Sreeraj and Mr. Nithin P. S. coordinated the workshop. The instructor introduced different sensory modules like Ultrasonic sensor, Temperature Sensor, LDA and implemented different projects based on them. They also introduced the concept of cloud storage and its advantages. The use of ThingSpeak to upload output from our sensors and how others can read the outputs from ThingSpeak were also introduced. The uploading of the sensor values to Ubidots were also familiarized during the workshop.

SAMANWAYA 2K19

Department of Computer Science & Engineering organized an Alumni meet "Samanwaya 2K19" on 13th April 2019. It was a memorable reunion of alumni and staff members.

Add-on course on "C programming"

"FISAT Consultancy Services", an initiative of CSE department of FISAT, came with a different approach to provide an add-on course for the interested students of other departments to have a basic knowledge on C-programming. The course mainly focused on providing the basic knowledge to students those who are not having any CSE background. The course offered introduction to C-Programming, general ideas on conditional statements and their working. The course duration was from April 25- May 6, 2019. The sessions were handled by Sreehari C P, Sweety Jerome, Rishad & Vysakh, under the guidance of Mrs. Chethna Joy, Asst. Professor, CSE dept. FISAT.

Technical Talk on "AI"

Department of CSE conducted a one day talk on "Artificial Intelligence" for CSE students on 2nd August, 2019. The sessions were handled by Mr. Unnikrishnan (CSE alumni and currently pursing Ph.D from IIT Karagpur) and Mr. Amrith Krishna (CSE alumni and submitted Ph.D thesis in IIT).

Technical Talk on "Sales Force"

CSE Department organized a one day technical talk on "Sales Force" for the CSE students on 7th August, 2019. The sessions were handled by Mr. Deepak Anand and Ms.Shruthi Sreedharan.

Training Program for "Python"

FISAT ACM chapter organized a training class on Python for ACM students from 15th October to 17th October, 2019 under the leadership of Ms. Devu and Mr. Paul

MOU with "XPLORE IT CORP"

Department of CSE have signed a MoU with "Xplore IT Corp". Xplore IT Corp is a Coimbatore based company who is providing various professional training courses for multiple technologies. A five days certification course for S4 and S6 CSE Students were conducted separately in the month of July, 2019.

CSE BEST PROJECT AWARD WINNERS

Main Project

1 Prize Akhil Joy, S8 CSA

Image Impainting Using Deep Neural Network Architecture.

2 Prize Mehjabin Mujeeb, S8 CSB

Robotic Glove

Design project

First Prize: Social Robot- Leo Varghese, Renjith K. R., Sandeep Remesh, Yedin Kizhakkethara (S6CS B)

Second Prize: ARIMAA -Anagha Zacharia, Abhirami G, Gopika Raj K., Hridhya Soman (S6CSA)

Workshop on Introduction to "Linux DISTRO FEST"

FISAT Free Software Cell (FFSC) conducted an event "Linux DISTRO FEST" for the first year B.Tech students on 20th September 2019. Introduction to FOSS, Linux Environment, Installation of Linux, Familiarization of different Linux Distros and Desktop Environments were discussed in the event.

MOU with "HORTARI TECHNOLOGIES"

Department of CSE have signed a MoU with "HORTARI TECHNOLOGIES PRIVATE LIMITED" on May 9, 2019.The main objective of this MoU is to stimulate and facilitate the skill development of college students through "Hortari" platform and other services provided by the Company. They have also provided programs such as Mentorship Programs, Workshops,

THREE DAY WORKSHOP ON "IOT"

The workshop was conducted for three days by ICT Academy, Kerala, organised by CSE Dept. Dr. Sreekanth, Mr Sreeraj and Mr. Nithin P. S. coordinated the workshop. The instructor introduced different sensory modules like Ultrasonic sensor, Temperature Sensor, LDA and implemented different projects based on them. They also introduced the concept of cloud storage and its advantages. The use of ThingSpeak to upload output from our sensors and how others can read the outputs from ThingSpeak were also introduced. The uploading of the sensor values to Ubidots were also familiarized during the workshop.

CELESTIA -2019 (Quiz Competition)

Celestia-2k19 was conducted on 9th May 2019. The quiz was conducted in two rounds, first round, a one hour written test based on 20 objective questions and a total of 14 teams participated. A total of seven teams qualified the first round and five teams were selected from them after a tie-breaker round.

CELESTIA 2K19 Winners

Prebition Paul & Nevin Joshy (S4 CSB)

LoRa WAN Launched

FISAT becomes first engineering college in Kerala to open public Lora gateway. Cognitive computing Research Centre (CCRC), FISAT has currently setup two lorawan gateways in Ernakulum district. The public can utilize the gateway freely for their innovative research works. LoRaWAN (Long Range Wide Area Network), a protocol for creating large-scale public networks allows IoT devices to communicate over large distance without 3G or WiFi. It's about how the radio waves communicate with LoRaWAN gateways acting as a network point providing access to another network.

LAUNCHING OF ACHARYA

Acharya - an E-Learning platform developed by Cognitive computing Research Centre (CCRC), FISAT. Unlike traditional E-Learning platforms, Acharya offer users multiple videos for the same topic. The platform also offers multilingual support. The platform also offers virtual lab where students can experience the lab environment. Currently, a course title "Introduction to Python" is completed. The contents of the course are completely developed by the students of CCRC.

HOUR OF CODE-2019

ACM Student chapter, FISAT has organized "Hour of Code Programme" for the students of Sacred Heart Orphanage High School, Mookkannoor this year. The Hour of code is a global movement celebrated as a part of computer science week. It was conducted on November 29th, Friday for class VIII and IX students.

Employability Quotient Test Conducted

FISAT being the premium member of the ICT Academy of Kerala 2019 onwards, ICT conducted an Employability Quotient Test for our students on 14th November 2019. The EQT test will help the students to know whether they are fit to the industry and also to identify their weak points so that they can sharpen their skills before facing job market.

Bioinformatics Tools Workshop

A workshop on Bioinformatics Tools was organised for final year CSE students on 23rd Sept 2019. Prof. Shyam Mohan, HOD, Bioinformatics Dept, Union Christian College, Alwaye was the resource person.

SPECIAL ONAM CELEBRATIONs

Onam was celebrated on September 7, 2019 with pomp and gaiety. S1 CSE A batch students bagged first prize for pookala malsaram. Many events such as pookalamalsaram, tug of war, malayali Manka and kerala kesari which reflects the spirit of Onam were held. CSE Students visited and shared food in the following places as charity program from the contribution of CSE students and staff.

Thiruhrudaya Sadanam Mookkannoor

AkasaParava, Malayatoor

Immanual Orphanage, Azhakom

Kripasadanam OldAge Home, Karayamparambu

CMC Mariam House Kariad

SELF LEARNING LAB

CSE department of FISAT started self learning labs. Self learning is promoted by providing access to our creative space, equipments and library and allows one to work on projects when it's convenient for them. Self learning do not include any instruction. The students can do a periodical self evaluation to measure the progress as well as evaluate their program skill.

Student's Achievements

Congrats to Ms. Ananya T Jith(S2 CSA)

1)Secured Gold medal in KTU University Athletics Meet shot-put women with meet record.
2)Gold medal for KTU University Athletics Meet discus throw women with meet record.
3)1st position for MA College Volleyball Championship.
4)1st position for volleyball championship at NIT Calicut as part of RAGAM Fest.

Congrats to Ajin Abraham (S2 CSA)

1) 2nd in NIT Calicut for Basketball Tournament.
2) 2nd in AMRITHA COLLEGE KOLLAM for Basketball Tournament.
3) 2nd in SAINTGITS KOTTAYAM for Basketball Tournament.
4) Represented KTU in ALL INDIA INTER UNIVERSITY NETBALL COMPETITION held in CALICUT.

Congrats to Ashlin Sam Thomas (S2 CSA)

1) 2nd in NIT Calicut for basketball
2) 2nd in AMRITH COLLEGE KOLLAM for basketball
3) 2nd in SAINTGITS KOTTAYAM for basketball

AnaghaS, HoneyMariam Babu(S4 CSA) won the first position in the "Strike 3 NIT Volley Ball Tournament" held on 12th January 2020.

AnaghaS, HoneyMariam Babu(S4 CSA) won the first position in the "MarAthanasius Ever Rolling Trophy " held on 9 March 2020.

Congrats to Don Sebastian (S4 CSA)

1) Won the third prize in "One Step Bunch" competition held in connection with GURUTWA 2020 organized by SNMIMT Engineering College, Maliankara on 20th February 2020.

2) Won the first prize in "Group Dance" held in connection with Intercollegiate Fest INGENIO 2K20 organized by Ilahia College of Engineering, at Muvattupuzha on 11th February 2020.

3) Won the first prize in "Samanvaya: Group Dance Competition" in connection with Royal Albertian Fest 2020 organized by St Albert's College, Ernakulum on 24th January 2020.

4) Won the first prize in "Step up: Group Dance Competition" organized by the Department of English, St .Peter's College, Kolenchery on 23rd January 2020.

5) Won the first prize in "Group Dance Competition" held in connection with COMHAR20 organized by SH school of communication, Thevara.
6) Won the third prize in "Group Dance Competition" in connection with Advaya2020 organized by Govt Engineering College Idukki on 22nd February 2020.

7) Won the second prize in "Group Dance Competition" in connection with Resonance2020 organized by Naipunya Business School, Karukutty on 14th January 2020.

Rithika Liz Bobby (S4 CSB) has been selected as BEST PERFORMER in the INTERNATIONAL SPACE SCIENCE COMPETITION 2020 through ISSC-2020(National Level) test conducted by Go4Guru Inc.

Narayanan V. Eswar secured 3rd place in Hackmania 3.0" held on 29th February to 1st March, conducted at PES College of Engineering, Mandaya in collaboration with Binghamton University, Newyork, USA.

Rejani Rajesh and Adarsh Ajit are Winners of "WEEK OF CODING" conducted by CCI FISAT.

George Puthanagadi (S6 CSE A) was selected as news letter editor STUDENT EXECOM -2020 IEEE IA/IE/PELS Jt chapter, Kerala.

Saurav N. S. (S6 CSB), Rishad P (S6 CSB), Liya Laiju (S6 CSB) and Narayanan V Eswar (S4 CSB) won the second runner-up award at "Hackmania 3.0", a south India level Hackathon organized by PES College of Engineering, Mandya in Association with and supported by Binghamton University of New York, New York, USA and Uma Nath Singh Institute of Engineering & Technology, Jaunpur, UP. The team received cash award of Rs. 20,000/- sponsored by Binghamton University of New York.

The team including Sona Grace John and Visrutha Arundhati (S6 CSB) won Volleyball champions held at NIT Calicut and MA College Kothamangalam.

Malavika Rajeev (S6 CSB) secured 3rd prize in the event RUNTIME TERROR organized by IEEE SCT SB at Sreechithirathirunal College of Engineering, Pappanamcode.

Nandini Menon (S7 CS B)& Ananya Ajith (S1 CS A) won KTU inter zone Table Tennis tournament.

Anagha Zacharia (S7 CSE A) got second prize for paper presentation "Euphoria – 2K19" at Rajagiri School of Social Science.

Sidharth S Won second prize for the event QFIEDRE in ETERNIA '19, held at Saintgit's College of Engineering, Kottayam.

FACULTY PUBLICATIONS

Journal Papers:

1. Dr. Arun Kumar M N, "Terrain Generation from User Text using Cellular Automata", International Journal of Recent Technology and Engineering, September 2019. (Scopus).

2. Dr. Paul P Mathai, "Machine Learning Approaches Used For Prediction in Diverse Fields", International Journal of Recent Technology and Engineering, July 2019. (Scopus).

3. Dr. Paul P Mathai, "SasyaSneha – An Approach for Plant Leaf Disease Detection", International Journal of Advanced Trends in Computer Science and Engineering, September 2019. (Scopus).

4. Ms. Hema Krishnan, "Sentiment analysis of product reviews using weighted distance-based whale optimization assisted deep belief network", International journal of business information systems (inderscience), 2020. (Scopus).

5. Ms. Siyamol Chirakkarottu, "A novel encryption method for medical images using 2D Zaslavski map and DNA cryptography", Springer SNAS, December 2019. (Emerging SCI).

6. Ms. Siyamol Chirakkarottu, "A novel secure and robust encryption scheme for medical images", Current Medical imaging reviews, 2020. (SCI).

7. Dr. Jestin Joy, "SiLearn: an intelligent sign vocabulary learning tool", Journal of Enabling Technologies, August 2019. (Emerging SCI, Scopus).

8. Mr. Pankaj Kumar G, "Terrain Generation from User Text using Cellular Automata", International Journal of Recent Technology and Engineering, September 2019. (Scopus).

Conferences:

1. Dr.Arun Kumar M N, "CloudStore : A framework for developing progressive streaming games", Third International Conference on Big-Data and Cloud Computing (The ICBDCC'19), Coimbatore. (Springer).

2. Mr. Pankaj Kumar G, "Segmented Keyframe Extraction", National Conference on Communication Systems (NCOCS - 2019), Puducherry.

3. Mr. Pankaj Kumar G, "Optimization of logistic regression using Elephant herd optimization", Natioanal Conference on Machine Learning and Artificial Intelligence, Coimbatore.

4. Mr. Pankaj Kumar G, "Re-Ranking ODI batsman using JJ metric", Third International Conference on Big-Data and Cloud Computing (The ICBDCC'19), Coimbatore (Springer).

5. Mr. Pankaj Kumar G, "Intelligent Cloud Load Balancing using Elephant Herd Optimization", Third International Conference on Big-Data and Cloud Computing (The ICBDCC'19), Coimbatore.

6. Mr. Pankaj Kumar G, "CloudStore : A framework for developing progressive streaming games", Third International Conference on Big-Data and Cloud Computing (The ICBDCC'19), Coimbatore. (Springer).

7. Mr. Pankaj Kumar G, "Youtube Comment Based Video Ranking System", International Conference on Digital Technologies and Transformation in Academic Libraries, Surathkal.

8. Mr. Pankaj Kumar G, "Removing Sensitive Private Medias Files From Web Using Block-Chain Technology", National Conference on Blockchain and Smart Contract Technologies (BSCT-2019), Trichy.

9. Dr. Paul P Mathai, "Envisaging the Academic Performance of Students", 2019 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), Greater Noida.

10. Dr. Jestin Joy, "VIZIYON : Assistive handheld device for visually challenged", Third International Conference on Computing and Network Communications (CoCoNet'19), Trivandrum.

11. Dr. Jestin Joy, "CLadron: AI assisted device for identifying artificially ripened climacteric fruits", Third International Conference on Computing and Network Communications (CoCoNet'19), Trivandrum.

Kerala Block chain Academy Innovation Club (KBAIC)

FISAT have become the Kerala Block Chain Academy Innovation Club Member. Kerala Block chain Academy is an initiative by the state government under the Indian Institute of Information Technology and Management, Kerala (IIITM-K). Kerala Block chain Academy Innovation Club (KBAIC) is a novel initiative by Kerala Block chain Academy (KBA) to help students from academic institutions across the country to explore deep into the potential of the block chain technology.

FISAT Maths Club

FISAT Maths Club organised a number of activities on behalf of the Department of Science and Humanities. A workshop on Matlab on 12th December 2019, PV Mathew Memorial Inter-Departmental Quiz competition, 31st December 2019 were a few of them


Mathematics Worksop on 12 Dec 2019

The mathematics quiz team secured the third prize in the Kerala Quiz Competition held at Bharatha Mata College, Thrikkakara and they again won the third prize in the All Kerala Quiz Competition held at Sacred Heart College, Thevara

R&D Cell-Preparation & Sanitizer

Chemistry Faculty members of S&H Department made good use of the facilities and resources in the Chemistry lab and prepared Hand Sanitizer for the College staff which was the need of the hour during the Corona Pandemic period.

Faculty Achievements
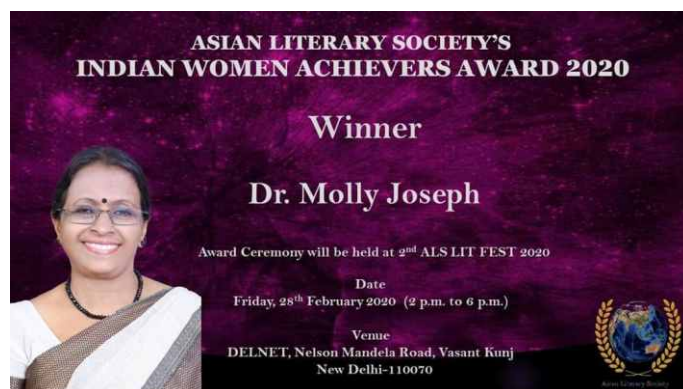
● Dr. Molly Joseph won many awards for her commendable contribution to World of Poetry.

● Was declared as Winner of Indian Women Achiever's Award from Asian Literary Society, New Delhi on 12th February, 2020

● Won Literary Award from Chennai poetry Circle (19th January 2020)

● Was declared winner of Asian Literary Society's Wordsmith Award, 2019

● Was Conferred Master of Creative Impulse at World Poetry Conference at Bathinda, Punjab(13-14 October,2019)

● Read poems on Peace and Anti –war in foundation of SAARC Writes and Literature (FOSWAL) on 1-7th October 2019

● Won Prime Poetry Certificate Award on 10th March, 2019

● Participated in World Congress of Poets which held at KIITS Bhuvaneswar, Odissa from 16-21 October 2019

CLASS TOPPERS 2020

COMPUTER SCIENCE & ENGINEERING

FIRST YEAR B.TECH

1st Position
Swetha Rajeev

2nd Position
Angel Shaju

2nd Position
Emmanuel Jojy

FIRST YEAR M.TECH

1st Position
Helna Pulikkottil Anto

SECOND YEAR M.TECH

1st Position
Ameesha P K

2nd Position
Anupriya Anaswaran

Industrial Collaboration

● Funding and Lab support from CISCO Thingqubator for the project Holographic projection with Heptic Feedback

● Signed MoU with C- DiT (Centre for Development of Imaging Technology) and C-apt Multimedia academy for conducting add on course in our campus.

● Signed MoU with Keltron, Trivandrum.

Academic Institution Support

● Mentoring and support from IIST Trivandrum for Satellite data collection projection

Achievements

● Best AI product award during National level AI Fest held at GEC Kannur

● FISAT IEDC Team comprise of Mr. Jiby Varghese, Mr. Renjith R and Mr. Alex jolly have participated and successfully presented two innovative projects in Virtual Reality and Intelligent system at International FABLAB Conference - FAB 15 in Cairo, Egypt on 2nd August 2019.

● Startup selection to Flowers Channel Student Start-up participation

● Team 'G'Xtron Innovations' a start-up initiative by IEDC student community was selected to feature in Flowers TV channel Startup program. The team had got receiving from Kerala Start Up Mission (KSUM) by getting fund Rs. 1lakh for a feasible and scalable startup idea during 'Idea Fest' finals.

● Mr. Ajay Baby and Mr. Rythin Nambiar, student members of IEDC have participated in national level exhibition of student projects at AICTE Head Quarters, New Delhi organized by Ministry of HRD, Govt. of India.

● 2 startups from FISAT IEDC participated in IEDC Summit organized by KSUM on 19th October 2019.

● Mr. Paul Elias Sabu, student member of IEDC has participated at Open source Linux conference organized by Linux Association on 30thOctober at Paris, France.

● Tom Anto successfully participated in Design Thinking workshop conducted by ICT Academy for Young Innovators programme at Aluva on 11th& 12th November 2019.

● IEDC team partivipated in Maker fest Kerala 2019 organized as part of design week on 14th December 2019

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.

FISAT IEDC start up exhibited at IEDC Summit 2019 at Sahrudhya Engineering college, Kodakkara.

FISAT IEDC Team attended FAB15- International FABLAB Conference at Egypt.

CLASS TOPPERS 2020

COMPUTER SCIENCE & ENGINEERING

SECOND YEAR B.TECH		THIRD YEAR BTECH		FOURTH YEAR B.TECH	
1st Position	1st Position	1st Position	2nd Position	1st Position	2nd Position
Athulya K B	Rithika Liz Bobby	Visrutha Arundhathi	Maria Sajan	Nousheen Sultana	Swathy Sreekumar

Faculty Development Programme

Three Day Faculty Development Programme on "Creative Teaching and Makers' Workshop" organized by IEDC and Science & Technology Park and Research Centre(SPARC) of Federal Institute of Science and Technology (FISAT) with the support of APJ Abdul Kalam Technological University,aims at enhancing the teaching and problem solving skills of faculty members of various engineering college affiliated to APJ AKTU. The programme covered topics in creative thinking, altruistic teaching, inter personality skill, teacher as a maker and also had hands on sessions

● Two day workshop on Students Capability Assessment in association with ICT Academy and KDISC

● Orientation session and workshop on " innovation &entrepreneurship"

As part of First year B.Tech induction & orientation programme for B.Tech 2019, FISAT IEDC conducted one day programme comprised of orientation and workshop sessions on IEDC and FABLAB of FISAT. 600 students attended the session which were scheduled form 23rdJuly to 27thJuly 2019.

Familiarization of Digital fabrication equipments and tools

● 3D Designing & printingCourse

Conducted 3 day designing & printing course for B.tech students in association with C APT , Trivandrum. 27 students successfully completed the course.

● Launch of "3d Printing and designing course" by Dr. K. T. Jaleel, Minister for Higher education.

● Launch of MAKER FEST Kerala was held on 1st November 2019 by Shri. V. Muralleedhran, Minister for external affairs, Gov. ofIndia.

Startup Week 2019 – (1/11/2019 to 7/11/2019)

One week long start up week was observed in our institute to promote entrepruenship and innovation. Any students interested to know about start up and its related function can come interact with mentors and incubates in our institute.Also arranged a one day VR workshop related to this.

● Exhibited Mobile Fablab and projects in MAKER FEST Kerala at Kochi as part of design week on 14thDecember2019.

● One day Seminar on AICTE Quality Initiatives, NITTT

(National Initiatives for Technical Teachers Training) and NEAT (National Educational Alliance for Technology)- 6th March 2020

Veena Madhavan IAS CEO ASAP lighting the lamp at AICTE FACULTY TRAINING. Dr.Rajashree Vice Chancellor KTU, Dr Ramesh U Director AICTE, Dr Abdul Rahman MD C-apt, Ms Anitha P Chairman FISAT, Col. Venkit, Director, RIDF, Dr. Elangovan, Asst. Innovation Director, MHRD, were present. Around 800 faculty memebrs from various engineering college across kerala attended the session.

5th June 2019
Environment day celebration

FISAT NSS unit celebrated world environment day on 5th June 2019. The Chairman of FISAT Dr. Paul Mundadan inaugurated the function by planting the first sapling.This day NSS volunteers of S3,S5,S7 actively participated in planting saplings in and around the campus.

NSS Orientation Programme was organized at FISAT on 23-07-2019 to 26-07-2019. Provide knowledge on NSS programmes, activities, organizning NSS camps and special camps. Impart comprehensive knowledge on youth development activities, Team Building, Leadership, Developmental issues, Disaster management, Village adoption. All first year students are participated in this event. NSS Unit presented a video before the dignitaries and new comers about the programme and activities being done under the National Service Scheme.

Flood Relief Activities

Relief activities were coordinated by FISAT NSS volunteers and non NSS volunteers along with staff members in various areas of Angamaly, Aluva and Paravur regions.

Helped the victims who suffered from kerala floods during the months of july and august due to heavy rainfall. NSS volunteers have collected and distributed necessary items including food items and stationary items for affected people.

Poster Making Competition

On this day, NSS volunteers gathered to conduct a poster making competition. All volunteers actively participated in this event.

A Day to Remember-Programme for differently abled

This program aimed to spend some time with physically and mentally challenged children.There were many small fun events so as to get more involved and attached with those little kids.

Household Survey at Ayyampuzha

NSS volunteers of FISAT went for a survey to Ayyampuzha and Thuravoor to collect the details and information about each and every household as part of UBA.

Blood Donation Camp

The NSS unit of FISAT, organized a blood donation camp on 14th Novenmber 2019. The camp began at 9.00 a.m. with a short inaugural function. Many volunteers came forward to donate blood during the camp which included teaching & non-teaching staff, students & non-student donors. The blood donors were given food after donating the blood in order to reenergize themselves.The blood donors were also provided with a blood donation certificate

APJ AKTU Inter zone Table Tennis 2019-20 Winners.

Medal Winners of APJ AKTU All Kerala Athletic Meet 2019-20 held at KU Stadium, Thiruvananthapuram.
Ananya T Jith won Gold medals in Shot put and Discus throw events. Akhil Roy won silver medal in Javelin throw. Anto Peter won Bronze medal in 10000 meters.

Winners of All Kerala Volleyball Tournament 2020 held at NIT Calicut.

Runners up of APJ AKTU Inter zone Basketball Tournament 2019-20 at Sahrdaya Engineering College, Kodakara.

Runners up of All Kerala Inter Collegiate Volleyball Tournament 2019 at KMEA Engineering college Edathala.

Second Runners up of APJ AKTU D-zone Shuttle tournament at MA College, Kothamangalam

Winners of All Kerala Inter Collegiate Volleyball tournament 2019 held at SCMS Karukutty.

Winners of APJ AKTU D-zone Volleyball Tournament 2019-20 held at MA College, Kothamangalam

APJ AKTU D-zone Table Tennis Medal Winners 2019-2020

Winners of APJ AKTU D-zone Basketball Tournament 2019-20 FISAT, Angamaly.

Runners up of APJ AKTU D-zone Football Tournament held at Rajagiri Engineering College, Kakkanad

Individual Achievers

Nandini Menon, (S8 BTech CSE), Gold medallist in APJ AK Technological University Table tennis Tournament

Edwin Sunny (S4 BTech ME), represented APJ AK Technological University in South Zone Inter University Basketball Tournament at Hindustan University, Chennai.
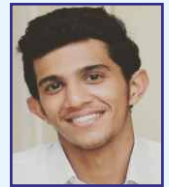
AJAY DIJI (S6 BTech, CSE), represented APJ AK Technological University in South Zone Inter University Basketball Tournament at Hindustan University, Chennai.

Tony Benny (S2 BTech ME), represented APJ AK Technological University in South Zone Inter University Basketball Tournament at Hindustan University, Chennai.

Mohammed Sahal P A, represented APJ AK Technological University in South Zone Inter University Football Tournament at VIT Chennai

Jopaul Crusho, (T2-MBA), represented APJ AK Technological University in South Zone Inter University Football Tournament at VIT Chennai

Ajin Abraham (S2 BTech, CSE), Member of APJ AK Technological University in All India Inter University Netball Tournament at Calicut University.

Dominic D Varakukala (S2 BTech ME), represented APJ AK Technological University in South Zone Inter University Basketball Tournament at Hindustan University, Chennai.

Aneeta Roy, represented APJ AK Technological University in South Zone Inter University Chess Tournament at Acharya Nagarjuna university, Guntur.

TOURNAMENTS CONDUCTED AT FISAT

All Kerala Masters Table Tennis Tournament held at FISAT, Angamaly.

APJ AKTU D-Zone Table tennis tournament 2019-2020 at FISAT, Angamaly.

All Kerala Masters Table Tennis Tournament held at FISAT, Angamaly.

APJ AKTU D-zone Basketball Tournament at FISAT, Angamaly.

Annual General Body of FISAT Wellfare Forum on 18 Dec 2020

Inauguration of FISAT Avenue Road on 20 Dec 2019

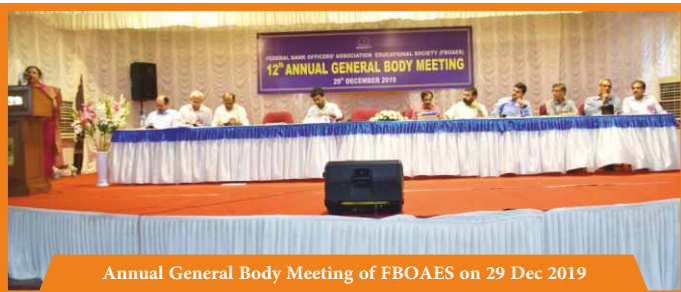
Arangu 2019 Inaugural Ceremony on 2 Nov 2019

Inauguration of KMA student chapter on 10 Dec 2019

B.Tech 2019 Induction Program on 22 July 2019

Inauguration of new placement cell office on 20 Dec 2019

Annual General Body Meeting of FBOAES on 29 Dec 2019

Inauguration of New security management system 12 Dec 2019

FISAT institution Day by Minister Kadakampilly Surendran on 23 Sept 2019

Inauguration of new Seminar Hall near library on 20 Dec 2019

FISAT Staff Well Fare Forum Onamasadya on 6 Sept 2019

Inauguration of new Seminar Hall near library on 20 Dec 2019

"Something good comes out of every crisis - celebrating a new beginning in placement history"

The campus has proved its mettle. The enthusiasm and passion to achieve takes us to new heights. Nothing could dampen the spirits of the students striving for that dream job. With 350+ offers, the 2020 batch of B.Tech, M.Tech and & MCA had yet another great placement season. It was indeed a very tough time during the second phase of the recruitment, during the months of February to June 2020. Covid could not dampen energy as the hiring started using the online mode. The campus could attract and host many recruitments in the virtual mode. In fact, there were 12 virtual on campus hirings after the Covid crisis unfolded in the country.

The highlight of the 2020 batch was the number of opportunities the placement cell could offer to the students - 51 companies, one of the biggest numbers in recent times. This number stands as a proof of the high acceptance of FISATians in Industry. The students from the department of Computer Science shared among themselves,150 offers, making it 1.25 offers per student, an impressive achievement.

The highest packages for the 2020 batch were offered by Big Binary and Commvault, both companies offering 15 lakhs per annum. This was followed by Byjus with 10 Lakhs per annum, TCS Digital with 7.5 Lakhs per annum and SOTI with 7.5 Lakhs per annum. The average package stood at 3.25 Lakhs per annum for the batch.

The biggest recruiter was TCS with 88 Ninja offers and 6 Digital offers. This was followed by companies like IBS (24 offers), Wipro (19 Offers), CTS (17 offers) and Quest Global (14 offers). Some of the other big names were Federal Bank, SAP, EY, Qburst, Ruby Seven Studios, Travancore Analytics, Poornam Infovision & Hexaware. There were also a few opportunities in ITES companies like Sutherland & CSS Corp.

There were quite a few opportunities for students in companies which work in Civil engineering consulting, like Paradigm, Mechanical engineering domain, viz, Wrench solutions, Cameron, MIL Controls, Chilton Refrigeration etc. Cadence, DCT & VVDN were some of the companies which recruited students specifically from Electronics and Communication background.

Kudos to all the students who grabbed and converted the opportunities on campus - it's proof that hard work pays and talents are always recognised.

The year 2020 will be remembered as the year which kick started the virtual recruitment and virtual onboarding!!!