

# **ANNUAL REPORT (2019-2020)**

# **FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY**



## **FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)**

FISAT has been in the forefront of technical education since 2002. Offering B Tech, M Tech, MBA, MCA and PhD programs, the institution has carved a niche for itself in the professional education sector. Excellent academics, and placements with equal emphasis on co-curricular and extracurricular activities makes the institution stand out among its peers.

### **The Team Leaders**



**Ms Anitha P**  
Chairman



**Dr George Isaac**  
Principal



**Dr C Sheela**  
Vice Principal



**Dr KSM Panicker**  
Director (Academics)



**Dr Sunny Kuriakose A**  
Dean (Student Affairs)



**Dr George V A**  
Director (FBS)

## **GOVERNANCE & ADMINISTRATION**

### **i) The management team of FISAT**

Ms. Anitha P, Chairman/Secretary

Mr. Aneesh Kumar R, Vice Chairman/President

Mr. Sachin Jacob Paul, Treasurer

Mr. PappachanThekkekkara, Vice President

Mr. Jojo K J, Associate Secretary

Mr. Ajith Kumar K K, Associate Treasurer

Mr. Mohanachandran K R, Managing Committee Member

Mr. Paul Mundadan, Managing Committee Member

Mr. Rajanarayanan V M, Managing Committee Member

Mr. Alex T Paikada, Managing Committee Member

Mr. Abdul Nazar M, Managing Committee Member

Mr. George C Chacko, Managing Committee Member

Dr. George Issac is the Principal of FISAT. The Principal along with Vice Principal, Dean (Academics) and Administrative Officer take care of the day-to-day affairs of the college.

Principal	Dr. George Issac, M. Tech, Ph.D
Vice-Principal	Dr. C Sheela, M.Sc, M. Phil, Ph.D
Dean (Academics)	Dr. Sunny Kuriakose, M. Sc, Ph.D
Director, FISAT Business School	Dr. A J Joshua, MBA, Ph.D

### **iv) Heads of the Departments**

The Heads of various departments for the academic year 2019-2020 are as follows

S.No	Department	Name of the HoD
1	Civil Engineering	Dr.Unnikartha G
2	Computer Science and Engineering	Dr. Prasad J C
3	Electronics and Communication Engineering	Dr. Mini P R

4	Electrical and Electronics Engineering	Dr. Parvathy R
5	Electronics and Instrumentation Engineering	Dr Abi P Mathew
6	Mechanical Engineering	Dr. Jose Cherian
7	Computer Applications	Mr. Santhosh Kottam
8	FISAT Business School	Dr Joshua A J (Director)



# ACADEMIC AFFAIRS



## Quality Initiatives in Curriculum, Teaching and Learning

The institution is adopting a well-structured Outcome-Based Education (OBE) system by actively involving all the stakeholders (students, faculty members, parents, employers and alumni). The institution uses different mechanism and practices to communicate program outcomes, program specific outcomes and course outcomes to all stakeholders which include print and digital media.

Due to the disruption of regular classes because of the pandemic, the classes were moved to the online mode from March 2020 onwards. Faculty members ensured that all the required learning materials including lecture videos, power point presentations etc are made available to the students to help them in their studies.

## University Exam Results

### UG Programs

Sl. No.	Dept.	No. of Students Registered for Final Semester Examination	No. of Students Passed FinalSemester Examination	Pass %
1	CE	119	118	99.16
2	CS	120	119	99.17
3	EE	56	55	98.21
4	EC	118	116	98.30
5	EI	38	37	97.37
6	ME	121	118	97.50

### PG Programs

Sl. No.	Dept/Program	No. of Students Registered for Final Semester Examination	No. of Students Passed Final Semester Examination	Pass %
1	CE/SECM	24	24	100
2	CS/CSIS	5	5	100
3	EE/PEPS	6	6	100
4	EC/COEN	2	2	100
5	EC/VLSI&ES	1	1	100
6	ME/CIM	2	2	100
7	MBA	119	119	100
8	MCA	123	123	100

# NBA Accreditation- A brief report



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)



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.

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.

These second phase preparations were concentrated mainly on the five undergraduate programs 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 programs 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 e - SAR 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, Central Computing Facility (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 visited the labs, attended a few live classes and interacted with 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 stakeholders.

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 programs 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, Dean Academics 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.

# Department of Civil Engineering



The Department of Civil Engineering started offering B.Tech program in Civil Engineering in the year 2011 with an intake of 60, which was increased to 120 in the year 2013. M.Tech in Structural Engineering and Construction Management (SECM) was added in the year 2014 with an intake of 24. A team of qualified faculty with ample experience is the highlight of the Department. The department is also recognized by APJ Abdul Kalam Technological University as a research centre for Ph.D program. Both the B.Tech and M.Tech programs emphasise on industry and research-based projects, which would enhance their skills to become successful professionals for a holistic development. The department is actively involved in consultancy services in the area of Material Testing and Design.

## **SECON 2020**

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 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.



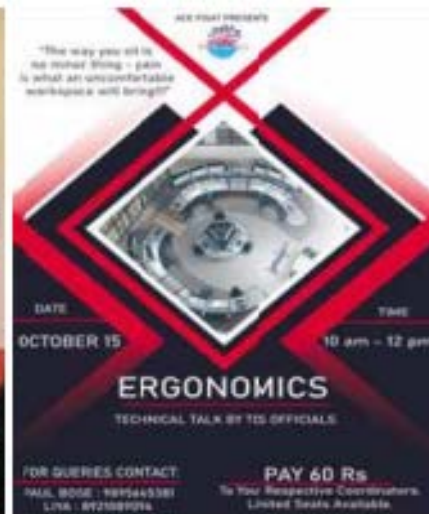
### Site visit to Idukki & Kulamavu Dam

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.UnniKantha G, faculty Ms. Neeraja N and Mr.Sreerath were other notable attendees.

### **Technical talk 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 Expo- 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 program. 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.UnniKantha 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.

## Toppers – University Semester Results

B.TECH 2016 BATCH		B.TECH 2017 BATCH		B.TECH 2018 BATCH	
 <i>1<sup>st</sup> Position</i>	 <i>2<sup>nd</sup> Position</i>	 <i>1<sup>st</sup> Position</i>	 <i>2<sup>nd</sup> Position</i>	 <i>1<sup>st</sup> Position</i>	 <i>2<sup>nd</sup> Position</i>
Vishnudatha V	P S Sethulakshmi	Swetha Maria Charles	Megha Krishnan	Theresa Jojo	Gokul S
B.TECH 2019 BATCH		SECM M.TECH 2018-20 BATCH		SECM M.TECH 2019-21 BATCH	
 <i>1<sup>st</sup> Position</i>	 <i>2<sup>nd</sup> Position</i>	 <i>1<sup>st</sup> Position</i>	 <i>2<sup>nd</sup> Position</i>	 <i>1<sup>st</sup> Position</i>	 <i>2<sup>nd</sup> Position</i>
Vinaya Happy	Nidhi V Sathian	Anju George	Anjana Chandran S	Anandakrishnan G	Neethu T P



# Department of Computer Science and Engineering



## **Codissia 2019**

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. 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, JerinJayaraj presented “VASTRA AI : Designing Textiles using Deep Learning” at National Technology & Science Fair, Codissia, Coimbatore August 2019.



### University Results

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 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



### **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 pursuing Ph.D from IIT Kharagpur) 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.

### **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.

### **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.

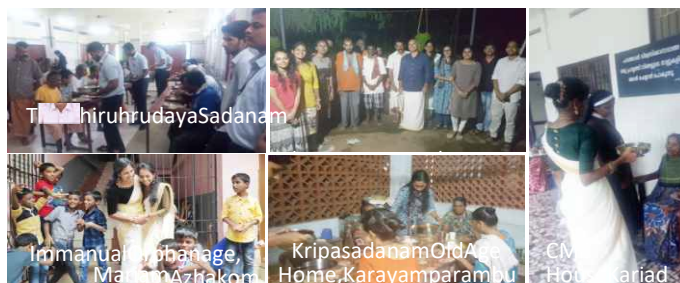
## Bioinformatics Tools Workshop

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.



## Self Learning Lab

CSE department of FISAT started self learning labs. Self learning is promoted by providing access to our creative space, equipment 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 \(S2CSA\)](#)

1. Secured Gold medal in KTU University Athletics Meet shot-put women with new meet record.
2. Gold medal for KTU University Athletics Meet discus throw women with new 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 \(S2CSA\)](#)

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 \(S2CSA\)](#)

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

#### [Congrats to Anagha S, Honey Mariam Babu \(S4 CSA\)](#)

1. First position in the “Strike 3 NIT Volley Ball Tournament” held on 12th January 2020.
2. First position in the “Mar Athanasius 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 “Group Dance Competition” held in connection with COMHAR20 organized by SH school of communication, Thevara.
5. Won the third prize in “Group Dance Competition” in connection with Advaya2020 organized by Govt Engineering College Idukki on 22nd February 2020.

6. Won the second prize in “Group Dance Competition” in connection with Resonance2020 organized by Naipunya Business School, Karukuttyon14th January 2020.

Rithika Liz Bobby (S4 CSB) has been selected as BEST PERFORMER in the INTERNATIONAL SPACE SCIENCECOMPETITION 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), LiyaLaiju (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. Theteamreceivedcashawardof Rs. 20,000/- sponsored by Binghamton Universityof 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 Sree Chithirathirunal 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, "Sasya Sneha – 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, "Cloud Store : A framework for developing progressive streaming games", Third International Conference on Big-Data and Cloud Computing (The ICBDC'19), Coimbatore. (Springer).

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

3. Mr. Pankaj Kumar G, "Optimization of logistic regression using Elephant herd optimization", National 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 ICBDC'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 ICBDC'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 ICBDC'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 Media 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.



# Department of Electrical and Electronics Engineering



## 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 indepthknowledge 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 concluded by the instructors briefing on the various courses offered at their institution and with feedback from student representative.



#### **Toppers: University Semester Results**

B.TECH 2014		B.TECH 2015		B.TECH 2016	
					
1 <sup>st</sup> Position	2 <sup>nd</sup> Position	1 <sup>st</sup> Position	2 <sup>nd</sup> Position	1 <sup>st</sup> Position	2 <sup>nd</sup> Position
Bijoy J Raj	Keerthi Unni P U	Gukul Sathyanath	Gayathri P Kumar	Sudina Stephen	Resha Reji

#### **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 Resha Regi M and Megha Shaju of S8 EEE from FISAT.



### **Power Quiz**

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, polytechnic, 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.

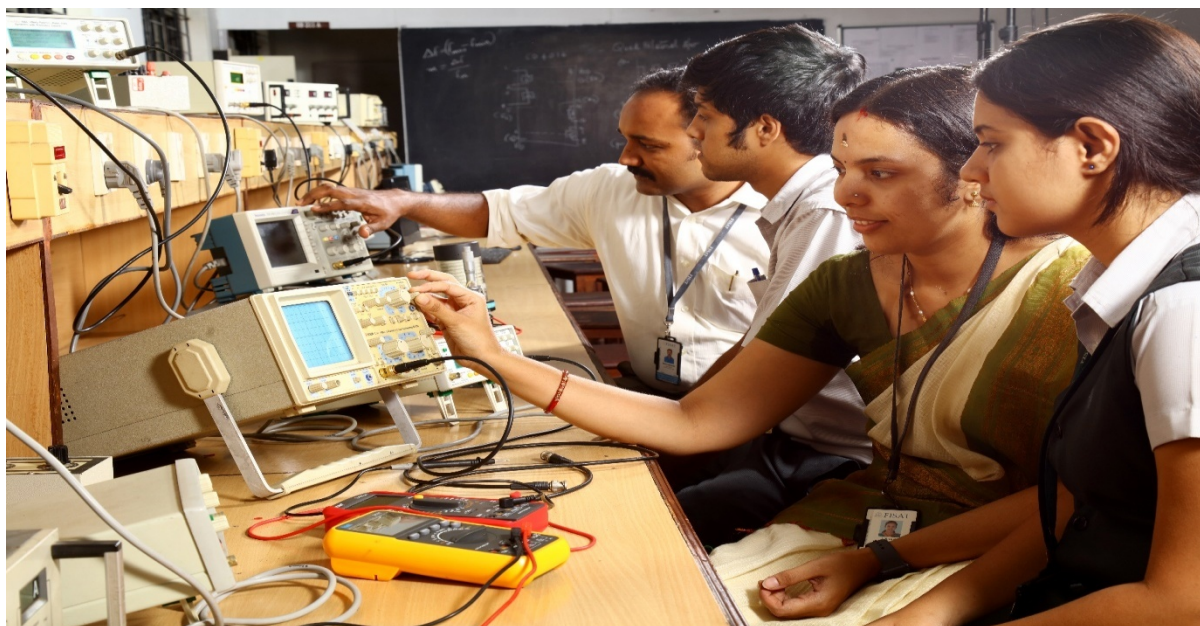
The power quiz at FISAT was held on the 3rd of October at 1:30 in the drawing hall at the college campus itself. All the registered participants were told to come on time. KSEB Officers of the nearby offices gave the students some brief introduction about the quiz.

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 3.00pm and the winners were given prizes. Prathyush J K of S1 EEE and Nikitha Mariyam Biji of S5 EEE were selected to the next level of competition which is scheduled at Bharath Matha College, 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.





# Department of Electronics and Communication Engineering



## Toppers: University Semester Results

S4 BATCH		S6 BATCH		S8 BATCH	
					
1 <sup>st</sup> Position DEVIKA S	2 <sup>nd</sup> Position RAJALAKSHMI R	1 <sup>st</sup> Position ATHIRA S	2 <sup>nd</sup> Position LAKSHMI VIJAYAN	1 <sup>st</sup> Position MINNU SIMON	2 <sup>nd</sup> Position RAEESA MANAL

## Faculty Achievements

Name	Achievements
Ms. Vinitha V and Mr. Bejoy Varghese, Asst. Professors of ECE Department,	Conducted online classes for students of APJAKTechnologicalUniversity and received excellent feedback
Sheelu Susan Mathews, Asst. Prof, ECE Dept	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.

## Faculty Development Programs

Title	Resource Persons	Organised by
One day FDP titled Basics of Matlab on 12th Dec 2019	Mr. Basil K Jeemon and Ms. Aiswariya Raj, Asst. Professors of ECE Dept	The event was organized by Science and Humanities department in association with Maths club, FISAT. The event received positive feedback.
3day FDP on "Tools to aid online & blended learning" on 8th, 9th and 16th July 2019	Mr. Basil K Jeemon, Ms. Aiswariya Raj, Ms. Deepa N R, Ms. Christy Jose and Ms. Jilu George, Asst. Professors of ECE department.	ECE Dept in association with Indian Society for Technical Education (ISTE)
One dayFDP - "Introduction to Simulink" on 26th July 2019.	Dr. Mini P R, Professor & HoD of ECE department	Department of ECE in association with ISTE

## 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 3<sup>rd</sup> and 4<sup>th</sup> 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 1<sup>st</sup> 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.

## Student Achievements



Name	Achievement
Jose Ben	<ol style="list-style-type: none"><li>1. 1st prize in Simhack, by IEEE Robotics &amp; Automation Society, IEEE Kerala Section</li><li>2. 9th runner-up in Code in Lockdown (National Level Coding competition) by IEEE Robotics &amp; Automation Society, IEEE Kerala Section)</li><li>3. 3rd prize in letZcode 1.0 by IEEE FISAT SB</li></ol>
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 Admission)	<ol style="list-style-type: none"><li>1. attended Fab15 Program held in Egypt from July 28th – Aug 2nd 2019.</li><li>2. the Winner of AI Fest 2.0</li></ol>

- 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 interfaced technologies like artificial intelligence and internet of things to form a new platform called intelligence of things.

- The AI FEST was conducted by Innovation and Entrepreneurship Development Cell - College of Engineering Thalassery. The event is packed with many 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 in front 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 14 <sup>th</sup> 2020
	First	St Peter's College, Kolenchery	Jan 23 <sup>rd</sup> 2020
	First	St Albert's College, Ernakulam	Jan 24 <sup>th</sup> 2020
	First	Sacred Hearts College, Thevara	Feb 8 <sup>th</sup> 2020
 Vysakh V	First	Illahia College of Arts and Science, Muvatupuzha	Feb 11 <sup>th</sup> 2020
	Third	SNMIMT, Maliankara	Feb 20 <sup>th</sup> 2020
	Third	Government Engineering College, Idukki	Feb 22 <sup>nd</sup> 2020

- FISAT shuttle badminton team won second Runner up in the APJA KTU Tournament held at M A College, Kothamangalam. Danish, student of final year ECE, was a member of the team.



- SebinThankachan of final year, ECE secured 3rd position in the "Qurious'20 Electro Quiz" organized by the industry application society chapter of IEEE SB SJCTET 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.



### Industrial Visit to CIAL Cochin

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 rearstation.



### HIMA MEMORIAL AWARD 2019

#### 2016 BATCH



**Anushka Mary Jose**  
Best performer from  
Third year ECE.



**Fyna Francis**  
Best performer from  
Second year ECE.

# Department of Electronics and Instrumentation Engineering





### 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 Balloons, 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 Balloons signing MOU)

### Awards & Recognitions

- Mrs. Beenu Riju, score 90%(Topper5%) 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
- 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, Assistant Professor, EIE



## 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

## A Workshop on Machine Learning & IoT

A workshop on Machine learning & IOT was given to S4 EIE students on 15<sup>th</sup> Jan 2020 by Mr. Arun U & Ms. Arathi E (Alumni, EIE) with the help of Mrs. Sreevidya & 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 LADDERIT (PLC programming contest) was CONSYST Technologies, Kochi. It was conducted from 11 am to 2 pm and Mr.SreejithV, 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 Year2019”award.



### **One-Day Workshop on ‘Designing In Industry’**

A one-day workshop on ‘Designing in Industry’ was conducted by Rahul Ravi (EIE Alumnus, FISAT. 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 modern mobile applications are changing the human lifestyle, the importance of design in day-to-day life, product marketing strategies, and steps in product designing.

### **Hands-On Workshop on Arduino**

One day hands-on workshop on Arduino was handled by Mr. Neeraj P.M, Research Associate, FABLAB on 5<sup>th</sup> August 2019. He explained the basic working and uses of Microcontrollers and Microprocessors with examples. The hands-on session was performed using the ATmega328 in Arduino boards. The interface between Arduino and different kinds of sensors was also shown. The session was conducted for S5 EIE students.



## Toppers: University Semester Results

2016-2020 BATCH		2017-2021 BATCH	
 <i>1<sup>st</sup> Position</i> NEENU S BHARATHI	 <i>2<sup>nd</sup> Position</i> NAJLA M N	 <i>1<sup>st</sup> Position</i> ATHULYA SREEKUMAR	 <i>2<sup>nd</sup> Position</i> AKASH ANIL
2018-2022 BATCH		2019-2023 BATCH	
 <i>1<sup>st</sup> Position</i> DERIN T JOSE	 <i>2<sup>nd</sup> Position</i> GOKUL REJITHKUMAR	 <i>1<sup>st</sup> Position</i> CLINTO JOSE	 <i>2<sup>nd</sup> Position</i> AARON SABU JOSEPH

# Department of Mechanical Engineering



## National Science Day Celebrations 2020

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 5<sup>th</sup> March 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 C V 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 an 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 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 the 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, 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 were 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 come 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**

1. Dr. Midhun 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"
2. 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 RETARDANT 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.



# **DEPARTMENT OF BUSINESS ADMINISTRATION (FISAT BUSINESS SCHOOL)**



## **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 a 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 discussed 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**

Specialized 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 online 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 skills 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.

## **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 Selangor Pewter industries which began in the 18th century and manufacturer of bespoke pewterware was also carried out.

### **Inauguration of MBA Batch of 2019-2021**

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 Multi Item 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: Amirage 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
<b>Total</b>		<b>45</b>	

### 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

### Student Achievements



Akshay Sunil, Fairroos Jahan Mohamed Iqbal two students of FISAT Business School and Dibin Jose from MCA are the co-founders of Conex 365. 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, Fairroos and Dibin are confident of their achievement as Conex has been shortlisted on UN Goals of sustainable development that focuses on Quality Education, a decent work environment and partnership

### Student Achievements In Management Events

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 Management
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



# DEPARTMENT OF COMPUTER APPLICATIONS



## AlgoRhythm 2k19



AlgoRhythm 2k19, a 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.

Event	Details
Workshops	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
Orientation Programme	<p>Orientation Programme for S1 MCA Regular 2019 and S3 MCA Lateral Entry 2018 batch students was organized on 5th, 6th &amp; 7th August 2019. Faculty Members from Pragmatix, and Dr.</p>



	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.
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 12 <sup>th</sup> July 2019 to 15 <sup>th</sup> July 2019 by Mr.Krishnakumar and Ms.Mrudula.

#### Student tours:



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.

#### Staff Achievements

1. 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.

2. 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 27<sup>th</sup> November 2019.



#### **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.



#### **ThePlacementandTrainingCell**

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 Pragmatix. The placement and Training Cell, Department of Computer Applications is headed by Mr. Jomon MC, Assistant Professor.



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

### Toppers: University Results

S5 MCA Regular 2017		S3 MCA Second Year Direct 2018		S3 MCA Regular 2018	
					
1 <sup>st</sup> Position	2 <sup>nd</sup> Position	1 <sup>st</sup> Position	2 <sup>nd</sup> Position	1 <sup>st</sup> Position	2 <sup>nd</sup> Position
Sanjo George	Ann Mariya Davis	Roopa Jolly	Rehana Mohanan	Reenamol PM	Neethumol Sani
S1 MCA Regular 2019 (A batch)		S1 MCA Regular 2019 (B batch)			
					
1 <sup>st</sup> Position	2 <sup>nd</sup> Position	1 <sup>st</sup> Position	2 <sup>nd</sup> Position		
Sandra Santosh	Anitta Eldhose	Merin Davis	Jaina Joy		



# Department of Science and Humanities



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



Mathematics Workop on 12 Dec 2019

## 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 12 February, 2020.
- Won Literary Award from Chennai poetry Circle (19 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 1-7 October 2019
- Won Prime Poetry Certificate Award on 10 March, 2019
- Participated in World Congress of Poets which held at KIITS Bhubaneswar, Odissa from 16-21 October 2019

## Toppers: University Results

FIRST YEAR B.TECH			FIRST YEAR M.TECH	SECOND YEAR M.TECH	
					
1 <sup>st</sup> Position	2 <sup>nd</sup> Position	2 <sup>nd</sup> Position	1 <sup>st</sup> Position	1 <sup>st</sup> Position	2 <sup>nd</sup> Position
Swetha Rajeev	Angel Shaju	Emmanuel Jojy	Helna Pulikkottil Anto	Ameesha P K	Anupriya Anaswaran



# Co-Curricular, Extra Curricular Activities & Extension Activities



## Reboot Kerala Hackathon 2020

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 were 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 teammembers 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.



### **Social Service Activities:**

#### *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 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.

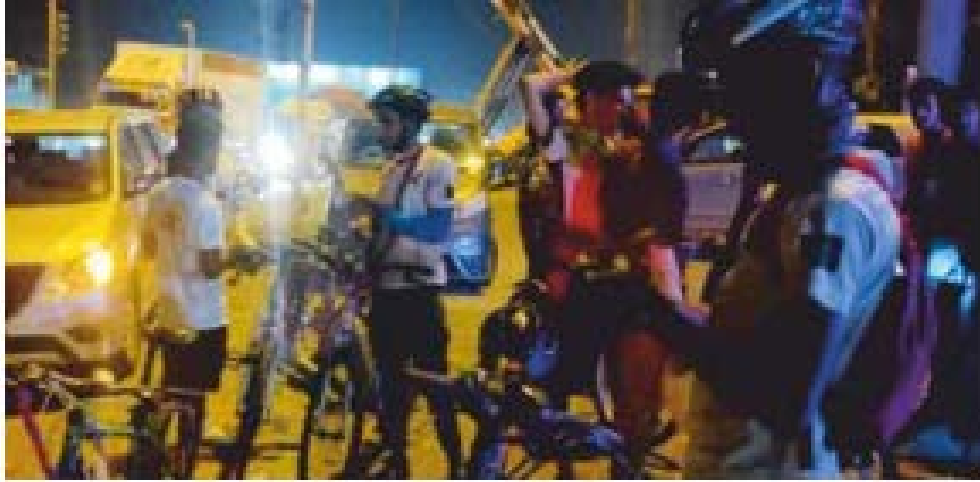


So far 700+ aged patients were given adequate treatment for all their ailments through this project. The widened eyes and smiles of the treated patients were the assessing factor that ensured that this project too, was a tremendous success. They were greatly touched when we were able to provide a medicine 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



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

# Gandhi Smrithi Cycle Yatra 2019



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



# Sports



## Professors Cup

All Kerala Teachers cricket tournament called Professors Cup won by FISAT PROFESSORS TEAM  
Held at St Pauls College Kalamassery





### State Level Table Tennis Tournament

FISAT Conducted the State Level Table Tennis Tournament in association with State Veteran Table Tennis Association



**FISAT WOMEN VOLLEY BALL TEAM WON THE  
INTERCOLLEGIATE CUP @ NIT CALICUT**



### **KTU Basket Ball Cup**

25.10.19

FISAT Basketball team won the KTU Basket Ball Trophy for the D Zone Competition held in FISAT Ground. Mr Prakash C Chandy CAO distributed the Winners trophy



### **Silver Medal**

1.2.20

Mr Akhil Roy (Student, FISAT) receiving the Silver Medal in Javalin Throw at APJ Abdul Kalam Technological University Athletic Meet.



### **Gold Medal**

1.2.20

Ms Ananya T Jith (CSE) receiving the Gold medal in Shot Put at A P J Abdul Kalam Technological University athletic Meet. She has also won the Gold Medal in Javalin Throw competition



### **Bronze Medal**

1.2.20

Mr Anto Peter (Student FISAT) receiving bronze Medal for the 10000 meters running at APJ Abdul Kalam Technological University Athletic Meet.[Go Back](#)

FISAT has state of the art sports facilities in the following area:

- Fitness Center
- Basketball Court (International standard Acrylic)
- Volleyball Court (International standard Acrylic)
- Table Tennis
- Football Field
- Indoor Shuttle badminton courts
- Cricket Nets





Nandini Menon, S8 BTech CSE



APJ AKTU Inter zone Table Tennis 2019-20 Winners.



Medal Winners of KTU All Kerala Athletic Meet 2019-20



Winners of All Kerala Volleyball Tournament 2020



Winners of KTU D-zone Basketball Tournament 2019-20



Winners of KTU Inter zone Table Tennis Tournament





Winners of All Kerala Inter Collegiate Volleyball tournament 2019



Winners of KTU D-zone Volleyball Tournament 2019-20



AKTU D-zone Table Tennis Tournament 2019-20



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



APJ AKTU D-zone Football Tournament



Runners up of All Kerala Inter Collegiate Volleyball Tournament





Second Runners up of APJ AKTU D-zone Shuttle tournament



Winners of All Kerala Professors Cricket Tournament



All Kerala Masters Table Tennis Tournament



D-zone Basketball Tournament



APJ AKTU D-zone Table tennis tournament 2019-2020



Runners up of APJ AKTU Inter zone Basketball Tournament 2019-20



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



**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.



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



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

### Individual Achievements

SL NO.	NAME	ACHIEVEMENT	LEVEL OF TOURNAMENT
1	Nandini Menon	Bronze Medallist & Gold Medallist	National Youth Table Tennis Tournament 2018- 19 Dr. APJ Abdul Kalam Technological University Table Tennis Tournament 2017-18, 2018-19.
2	Hajira Althaf	Team Member	Dr. APJ Abdul Kalam Technological University Volleyball team 2017-18
3	Rosemol Wilson	Team Member	Dr. APJ Abdul Kalam Technological University Volleyball team 2017-18
4	Dilshada Sabnam	Team Member	Dr. APJ Abdul Kalam Technological University Volleyball team 2017-18
5	Swathi S.	Team Member	Dr. APJ Abdul Kalam Technological University Volleyball team 2017-18



6	Anan Ashraf	Team Member	Dr. APJ Abdul Kalam Technological University Volleyball team 2017-18
7	Ajay Diji	Team Member	Dr. APJ Abdul Kalam Technological University Basketball team 2018- 19 & 2019-20
8	Akhil Roy	Bronze Medalist	Dr. APJ Abdul Kalam Technological University Athletic meet 2018-19
9	Aneeta Roy	Team Member	Dr. APJ Abdul Kalam Technological University Chess Team 2019-20
10	Dominic D Varakkula	Team Member	Dr. APJ Abdul Kalam Technological University Basketball team 2019-20 Gold Medalist of Jr National Basketball Tournament
11	Tony Benny	Team Member	Dr. APJ Abdul Kalam Technological University Basketball team 2019-20 Represented Kerala team for Jr National Basketball Tournament
12	Mohammed Sahal P A	Team Member	Dr. APJ Abdul Kalam Technological University Football team 2019-20
13	Jopaul Crusho	Team Member	Dr. APJ Abdul Kalam Technological University Football team 2019-20
14	Edwin Sunny	Team Member	Dr. APJ Abdul Kalam Technological University Basket ball team 2019-20
15	Ananya T Jith (S2 B.Tech, CSE)	Gold Medalist	Shot-put & Javelin Throw, both with new meet records in 2nd APJ AK Technological University Athletic Meet 2019-20 held at Kerala University Stadium, Thiruvananthapuram
16	Akhil Roy (S8 B.Tech ECE)	Silver Medal	javelin Throw event of 2nd APJ AK Technological University Athletic meet 2019-20 held at Kerala University Stadium, Thiruvananthapuram
17	Anto Peter (S6 B.Tech CE)	Bronze Medal	10000 Mts. Event of 2nd APJ AK Technological University Athletic meet 2019-20 held at Kerala University Stadium, Thiruvananthapuram.
18	Ajin Abraham (S2 B.Tech CSE)	Member	APJ AK Technological University in All India Inter University Netball Tournament at Calicut University.

### Tournaments Hosted By FISAT

1	Dr.APJ Abdul Kalam Technological University Interzone Cricket Tournament 2017-18
2	Dr.APJ Abdul Kalam Technological University Tabletennis Tournament 2017-18 Zone D (Men & Women)
3	FISAT Trophy -All Kerala Intercollegiate Cricket Tournament 2017
4	Dr.APJ Abdul Kalam Technological University Tabletennis Tournament 2018-19 Zone D (Men & Women)
5	FISAT Annual Athletic Meet 2018
6	FISAT Annual Athletic Meet 2019
7	Dr.APJ Abdul Kalam Technological University Tabletennis Tournament 2018-19 Zone D (Men & Women)
8	Dr.APJ Abdul Kalam Technological University Tabletennis Tournament 2019-20 Zone D (Men & Women)
9	Dr.APJ Abdul Kalam Technological University Basketball Tournament 2019-20 Zone D (Men & Women)
10	FISAT Table tennis Masters Tournament 2019 on 01 May 2019

### FISAT Team Achievements

SL NO.	NAME	ACHIEVEMENT	LEVEL OF TOURNAMENT
1	FISAT Cricket Team	Third Position	Dr. APJ Abdul Kalam Technological University Zone D
2	FISAT Football Team	Winners	Penalty Shootout competition organised by kerala Excise Department for College Students at MA College, Kothamangalam
3	FISAT Table TennisWomen	Winners	Dr. APJ Abdul Kalam Technological University Zone D for women 2019-20 held at FISAT
4	FISAT Table TennisWomen	Winners	Dr. APJ Abdul Kalam Technological University Zone D for women 2016-17 held at FISAT
5	FISAT Table TennisWomen	Winners	Dr. APJ Abdul Kalam Technological University Table Tennis for Women 2019- 20 held at Vidya Academy of Science & Technology, Thrissur

6	FISAT Volleyball	Winners	Dr.APJ Abdul Kalam Technological University Zone D for women 2019-20
7	FISAT Shuttle Badminton	II Runner up	Dr.APJ Abdul Kalam Technological University Zone D for women 2019-20
8	FISAT Chess	II Runner up	Dr.APJ Abdul Kalam Technological University Zone D for women 2019-20
9	FISAT Basketball Men	Winners	Dr.APJ Abdul Kalam Technological University Zone D for Men 2019-20
10	FISAT Basketball Men	Runner up	Dr. APJ AK Technological University Basketball Tournament for men 2019-20 held at SahrDaya Engineering College, Kodakara, Thrissur
11	FISAT Volleyball Men	Runner up	All Kerala Inter Collegiate Volleyball Tournament held at KMEA Engineering College, Edathala

#### **KTU OUTSTANDING PLAYER OF THE YEAR**

Ms Nandhini Menon CSE Branch is being honoured as the KTU OUTSTANDING PLAYER OF THE YEAR by Mr Sunil Kumar, Minister for Agriculture Govt of Kerala at Thrissur.



# Arts



## **Arangu 2k19**

04.11.19

Mr Jude Anthany Joseph, Film Director and Actor inaugurating the Arangu 2K19 - Cultural Fest. Dr Paul Mundadan, Chairman Governing Body FISAT, Dr George Issac, Principal. Dr C. Sheela Vice Principal, Dr Sunny Kuriakose Dean Student Affairs were also seen