

2018-2019

# FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

Internal Quality Assurance Cell



**Annual Report**

## Message from IQAC

The internal quality assurance cell (IQAC) of Federal Institute of Science And Technology (FISAT) was set up as a quality sustenance and enhancement measure in the year 2015. At FISAT, the IQAC is a vehicle for ushering in quality enhancement by working out planned interventionist strategies and by constantly monitoring the progress. The prime task of the IQAC is to develop a system for conscious and consistent improvement in the overall performance of the college. Its work is towards internalization and institutionalization of quality enhancement initiatives. IQAC depends upon all the constituents of the institution and is a facilitative and participative system. The cell responsibly reports and documents various activities of the institution. A continuous follow up is always being made on infrastructural resources to assure ample, appropriate and enhanced professional facilities for teaching, learning and associated academic research activities.

Academic progress monitoring and implementation of outcome based education was the main focus areas of IQAC in the academic year 2018-19. The IQAC also played a vital role in preparing for NBA accreditation for five btech programs. Improving management information system was yet another contribution made by the cell.

IQAC is very grateful to the chairman and management committee members of FISAT, principal, vice principal, faculty team and non – teaching staff for their relentless efforts which helped in the successful accomplishment of the academic goals set for the year 2018-19.

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## **Governance And Administration**

### **The Management Team of FISAT**

1. Dr. Paul Mundadan – Chairman, Governing Body
2. Sri. V S Pradeep - Vice Chairman, Governing Body
3. Sri. Sachin Jacob Paul – Treasurer, FBOAES
4. Sri. Rajaranarayanan V M - Vice President, FBOAES
5. Sri. Jojo K J - Associate Treasurer, FBOAES
6. Sri. Abdul Nassar M P - Associate Secretary, FBOAES
7. Sri. George C Chacko
8. Sri. Jenib J Kachappilly
9. Sri. E K Rajavarma
10. Sri. Xavier Gregory
11. Sri. K T Thomachan
12. Sri. Pappachan Thekkekkara

### **Academic And Administrative Heads**

1. Dr. George Issac, Principal
2. Dr. C. Sheela, Vice-Principal
3. Dr. K S M Panicker, Director (Academics)
4. Dr. Sunny Kuriakose, Dean (Student Affairs)
5. Dr. George V Antony, Director & Dean, Fisat Business School
6. Dr. Prasad J C, Head, CSE.
7. Dr. Jose Cherian Head, ME
8. Dr. Mini P R, Head, ECE
9. Dr. Unni Kartha G, Head, CE.
10. Dr. Parvathy R, Head, EEE.
11. Mr. S Sundararajan, Head, EIE.
12. Mr. Santhosh Kottam, Head, MCA
13. Mr Jiby Varghese, Head, SPARC

## Academic Affairs



## Programs Offered

### B Tech

Program	Sanctioned Intake
Computer Science And Engineering	120
Electronics And Communication Engineering	120
Civil Engineering	120
Mechanical Engineering	120
Electrical And Electronics Engineering	60
Electronics And Instrumentation Engineering	60

### M Tech

Programs	Sanctioned Intake
Communication Engineering	24
Computer Science & Information Systems	24
Power Electronics And Power Systems	24
Structural Engineering And Construction Management	24
VLSI & Embedded System	24
Computer Integrated Manufacturing	18
MBA - Master Of Business Administration	120
MCA - Master Of Computer Applications (3 year) Lateral Entry to 2 <sup>nd</sup> year direct	60
MCA - Master Of Computer Applications (2 year) 2 <sup>nd</sup> year direct	60

## Performance in University Examinations

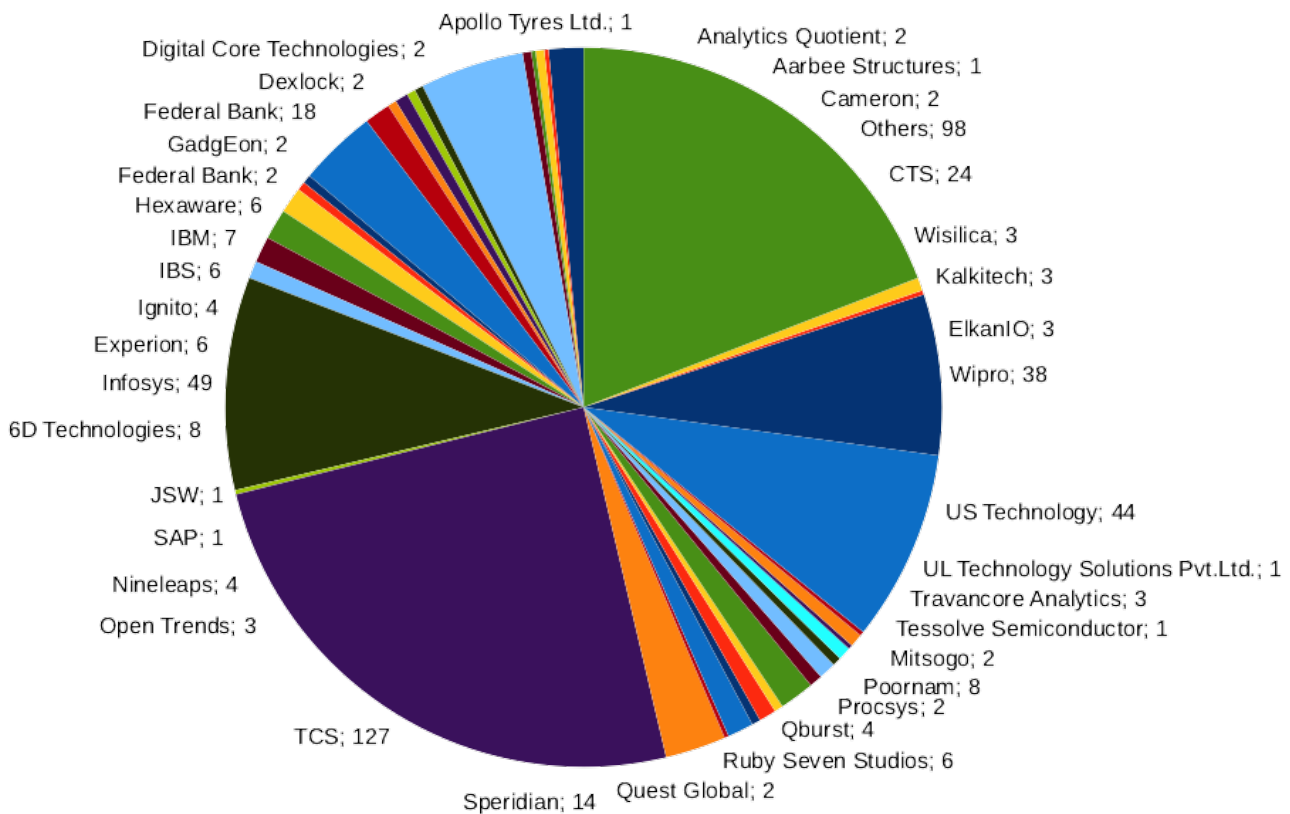
Sl. No.	Dept.	No. Of Students Registered for Final Semester Examination	No. Of Students Passed Final Semester Examination	Pass Percentage
1	CE	121	121	100
2	CS	115	110	95.65
3	EE	59	44	74.58
4	EC	119	112	94.11
5	EI	47	43	91.49
6	ME	115	104	90.4
7	MBA	118	106	89.83
8	MCA	114	114	100

Sl. No.	Dept/Program	No. Of Students Registered for Final Semester Examination	No. Of Students Passed Final Semester Examination	Pass Percentage
1	CE/SECM	24	24	100
2	CS/CSIS	8	8	100
3	EE/PEPS	15	15	100
4	EC/COEN	5	5	100
5	EC/VLSI&ES	12	12	100
6	ME/CIM	0	0	-

# Placements

## 512 offers 56 companies

The year 2019 was the most successful year for the Placement and Training Cell in its history. With 512 offers in 58 Companies, the campus set a new record for itself. The year saw a boom in the requirements of the industry and brought out the best in the students. The performance of students were exceptional and was matched by the list of companies that visited the campus. The year also saw companies ready to offer higher packages to students who were best performers. The major recruiters of the year were TCS (127 offers), Infosys (49 offers), UST Global (44 Offers), Wipro (37 Offers), CTS (24 offers), Federal bank (18 Offers), Speridian (14 offers). The other major recruiters were IBM, Experion, Qburst, Kalkitech, Travancore Analytics, Cameron, Procsys, Quest Global, Apollo Tyres, JSW, Litmus 7, SAP, Shriram Group, Tessolve Semiconductors, Dexlock, Poornam, Hexaware.





## Stakeholder Feedback

Feedback on curriculum was taken from students, teachers, alumni and employers.

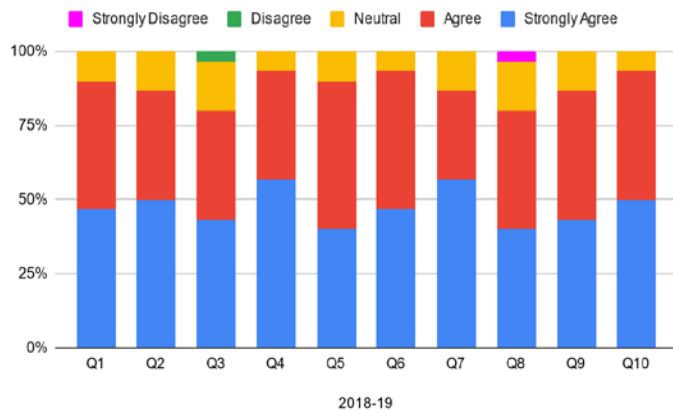
Students:

The feedback from students was taken on the following matters:

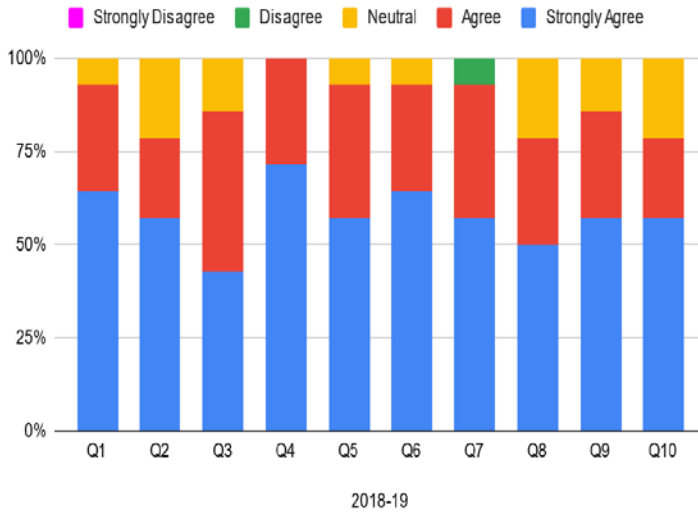
1. Objectives of the course
2. Appropriateness of the syllabus
3. Coverage of advanced topics in the syllabus
4. Adequateness of library resources
5. Suitability of electives
6. Laboratory activities
7. Encouragement for self learning
8. Understand and solve real world problems
9. Readiness for competitive exams
10. Introduction to Environment, Sustainability issues etc

On an average 90% of the students are satisfied with the curriculum with more than 50% of the students strongly agreeing that the curriculum caters to all these aspects. Samples of the analysis from students of a few departments is shown below:

CE - STUDENT CURRICULUM FEEDBACK 2018-19



## EEE - STUDENT CURRICULUM FEEDBACK 2018-19

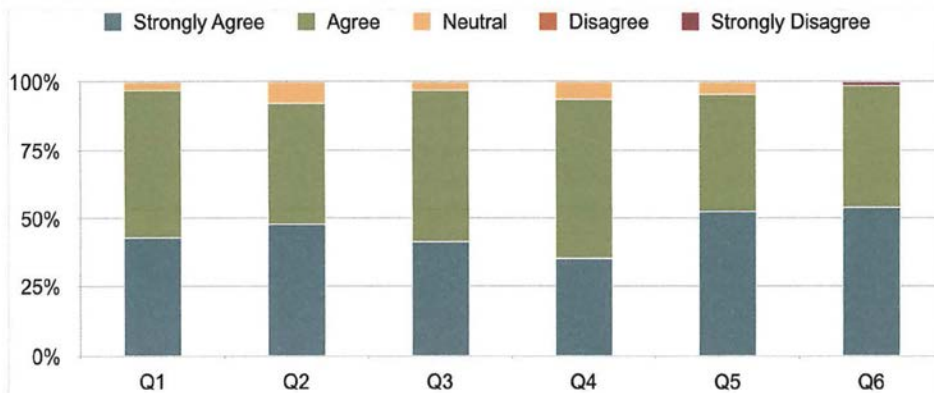


## Faculty Feedback

The faculty evaluated the curriculum on:

1. Design and promotion of learning experience
2. Course objectives and outcomes
3. Relevancy to industry
4. Balance between theory and application
5. Books recommended
6. Improvement in knowledge and expertise of the teacher

## 2015 Curriculum



**Alumni Feedback**

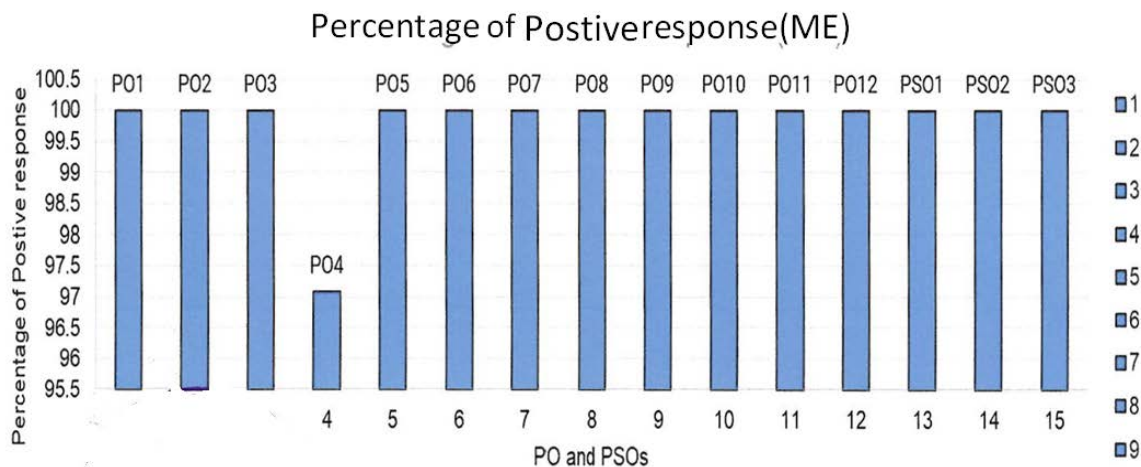
The alumni gave feedback on the curriculum by evaluating the following:

**General:**

- PO1. Ability to apply fundamental subject knowledge to new problems.
- PO2. Ability to analyse complex engineering problems.
- PO 3:Ability to design creative, original and cost effective solutions for engineering problems.
- PO 4:Ability to innovate solutions for complex engineering problems
- PO:Ability to use computers and software as an analytical tool.
- PO 6:Ability to provide engineering solutions to societal problems.
- PO 7:Sensitivity to environment and sustainability in engineering practice.
- PO 8:Ability to cope with complex moral and ethical issues in professional life.
- PO 9:Ability to work in a team and as a leader.
- PO IO: Ability to manage projects in multidisciplinary environments.
- PO 11 :Ability to write well and effectively communicate orally
- PO 12:Ability to participate in career advancement programs

**Specific to the branch of study:**

- PSO 1:Ability to apply knowledge in science and engineering for the design and analysis of engineering problems.
- PSO 2:Ability to design, create and develop products and processes related to Mechanical Engineering using modern tools.
- PSO 3:Ability to sustain passion for learning and work with professional ethics, either as an individual or a team member, in managing projects related to society and environment.



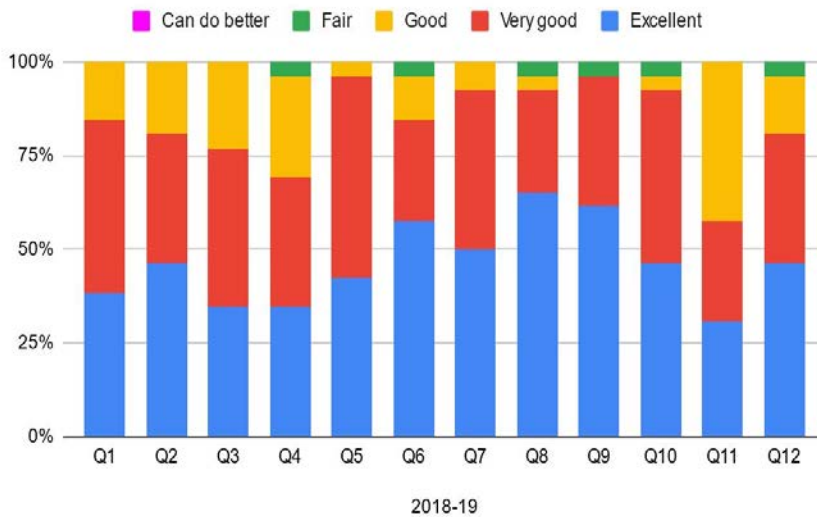
**Feedback from employer:**

Feedback from employers of our students were evaluated on the following:

## Questions

1. Fundamental knowledge in Science and Mathematics
2. Fundamental knowledge in Engineering
3. Understanding of global engineering standards
4. Ability to analyse and interpret data
5. Ability to design new systems within realistic constraints
6. Ability to identify, formulate and solve technical problems
7. Practice of professional and ethical responsibility
8. Communication and presentation skills
9. Ability to understand the impact of Engineering solutions in various contexts
10. Knowledge of current developments in Engineering field
11. Ability to use modern engineering tools for professional practice
12. Leadership and management skills

## EMPLOYER FEEDBACK ANALYSIS 2018-19



## FACULTY EMPOVERMENT ACTIVITIES

### Outcome Based Education and NBA related activities

A one-day seminar on 'The Role of Science and Humanities in NBA Accreditation' was conducted on 7/9/2018. Dr. M. Kameswary, Department of Mathematics, Thiagarajar College of engineering, Madurai was the Resource person.

An interactive session by Prof. Prasad Krishna, NIT Suratkal was conducted on November 2, 2018.

A series of orientation programmes was conducted as given below:

Sl.No	Date	Topic	Speaker
1	25.6.2018	Introduction to OBE	Dr. Sunny Kuriakose
2	4.7.2018	Programme Outcome	Dr. Mini P. R.
3	6.7.2018	Designing Course Plan	Aiswarya Raj & Jesline P. Jo
4	9.7.2018	Outcome Based Education	Dr. Arun Kumar M. N.
5	13.7.2018	Target Setting CO Attainment	Resmi R.

### FDPs organized

SI Number	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff
1	16-07-2018 to 20-07- 2018	FDP on Design of Steel Structures	-
2	12-12-2018 to 12-12-2018	1 Day FDP On The Topic "Tools To Aid Online And Blended Learning"	-
3	16-07-2018 to 20-07-2018	KTU Funded Five Days FDP On Robotics And iot	-
4	16-07- 2018 to 20-07- 2018	FDP on Industrial Robotics:Platforms Algorithms And Techniques	-
5	04-12-2018 to 04-12-2018	IOT trends and challenges	-
6	23-07-2018 to 27-07-2018	FDP on machine learning	-

7	08-12-2018 to 15-12-2018	FDP on design and analysis of algorithms	-
8	27-07-2018 to 28-07-2018	Two Day FDP on Distributed Generation and Smart Grid	-
9	21-05-2019 to 22-05-2019	National Conference on Recent Advancements in Power Electronics and Power Systems	-
10	03-08-2018 to 03-08-2018	Practical Approach on Agile Methodology	-
11	05-12-2018 to 07-12-2018	-	Two Day training programme on transactional analysis
12	02-07-2018 to 03-07-2018	Faculty Development programme	-

FDPs attended

S.No	Name	FDP	Date
1	Beena B R	International Workshop on Advanced Data Analysis	21-01-2019 to 27-01-2019
2	Nimisha Mathew	Advanced Training Programme on Remote Sensing & GIS	24-06-2019 to 29-06-2019
3	Keerthi Sabu	STTP on Green Energy, Environment, Engineering & Technology for Sustainable future	10-12-2018 to 14-12-2018
4	Lidiya P M	FDP on Design of Steel Structures	16-07-2018 to 20-07-2018
5	Neeraja N	Advanced Techniques in Energy & Wastewater Treatment	02-07-2018 to 07-07-2018
6	Panjami K	National Workshop on Land Subsidence Due to Soil Piping	05-07-2018 to 09-07-2018
7	Preethi M	FDP on Design of Steel Structures	16-07-2018 to 20-07-2018
8	Reshma Prasad	FDP on Design of Steel Structures	16-07-2018 to 20-07-2018
9	Sharon Jacob	Advanced Training Programme on Remote Sensing & GIS	24-06-2019 to 29-06-2019
10	Unni Kartha G	Effective Engineering Teaching in Practice	01-01-2019 to 27-02-2019
11	Anitha T Nair	Machine learning	23-07-2018 to 27-07-2018

12	Anuranj P	Design and analysis of algorithms	08-12-2018 to 15-12-2018
13	CHETHNA JOY	Design and analysis of algorithms	08-12-2018 to 15-12-2018
14	Divya John	Machine learning	23-07-2018 to 27-07-2018
15	Dr.Paul P Mathai	Recent industry practices	27-05-2019 to 31-05-2019
16	Hema Krishnan	Machine learning	23-07-2018 to 27-07-2018
17	Jestin Joy	Summer school in deep learning	20-05-2019 to 24-05-2019
18	Lakshmi S	Design and analysis of algorithms	08-12-2018 to 15-12-2018
19	Meenu Mathew	Design and analysis of algorithms	08-12-2018 to 15-12-2018
20	Merin Cherian	Deep learning	01-07-2018 to 28-10-2018
21	Reshmi R	Machine learning	23-07-2018 to 27-07-2018
22	Roshna K I	Compiler design	17-12-2018 to 21-12-2018
23	Shimy Joseph	Machine learning	23-07-2018 to 27-07-2018
24	Soumya S. Raj	Design and analysis of algorithms	08-12-2018 to 15-12-2018
25	Sruthy Suresh	Android workshop	17-12-2018 to 21-12-2018
26	Neenu Johnson	Certified Blockchain Associate (CBA)	3-06-2019 to 8-06-2019
27	SURYA SUSAN ALEX	Industry 4.0: Current Research Trends and Challenges	27-05-2019 to 31-05-2019
28	RINKU SCARIA	Design and development of power converters for renewable energy applications	03-12-2018 to 08-12-2018
29	VEENA WILSON	Successfully Completed NPTEL Course in Electrical Vehicles 1	01-02-2019 to 31-03-2019
30	Dr. Parvathy R	"Python Basics" under "Python 3 Programming"	19-05-2019 to 16-06-2019
31	Aiswariya Raj	NPTEL -TALE	01-02-2019 to 30-03-2019
32	Ambili A R	Six day STTP on Python Programming and Machine learning Basics	09-07-2018 to 14-07-2018

33	Anoop E G	FDP on Industrial Robotics	16-07-2018 to 20-07-2018
34	Anu K Kuriakose	FDP on Artificial Intelligence and Machine learning	14-12-2018 to 19-12-2018
35	Benoy Abraham	NPTEL -TALE	01-02-2019 to 30-03-2019
36	Christy Jose	NPTEL-FDP - Switching Circuits and Logic Design -Jul Oct 2018 Switching Circuits and Logic Design	01-07-2018 to 30-10-2018
37	Deepa N R	FDP on Signal Processing	09-07-2018 to 13-07-2018
38	Dhanya S	STTP on Python Programming and Machine Learning Basics	09-07-2018 to 13-07-2018
39	Dr. Krishna Kumar S.	Short term course on Embedded System Design	25-03-2019 to 31-03-2019
40	Elza George	FDP on Artificial Intelligence & Machine Learning	14-12-2018 to 19-12-2018
41	Gayathri I K	FDP on Artificial Intelligence & Machine Learning	14-12-2018 to 19-12-2018
42	Jeslin P Jo	FDP on Signal Processing	09-07-2018 to 13-07-2018
43	Jilu George	NPTEL-Online Certification in - Cryptography & Network security	01-01-2019 to 30-04-2019
44	Manju C P	FDP on Artificial Intelligence & Machine Learning	14-12-2018 to 19-12-2018
45	Manu Mohan	FDP on Artificial Intelligence & Machine Learning	14-12-2018 to 19-12-2018
46	Minu Kuriakose	FDP on Industrial Robotics	16-07-2018 to 20-07-2018
47	Nimmy M Philip	FDP on Signal Processing	09-07-2018 to 13-07-2018
48	Nisha R	FDP on Industrial Robotics	16-07-2018 to 20-07-2018
49	Noble G	FDP on Industry 4.0	17-06-2019 to 21-06-2019
50	Pearlsy P V	STTP on Python Programming	09-07-2018 to 13-07-2018
51	Sheelu Susan Mathews	STTP on Python Programming	09-07-2018 to 13-07-2018
52	Sreelekshmy S	FDP on Artificial Intelligence & Machine Learning	14-12-2018 to 19-12-2018
53	Subha Thomas	NPTEL -TALE	01-02-2019 to 30-03-2019



54	Vinitha V	STTP on Python Programming	09-07-2018 to 13-07-2018
55	Neena K A	NPTEL -TALE	01-02-2019 to 30-03-2019
56	Anila Mathew	Introduction to iot	30-07-2018 to 20-10-2018
57	Raji P	Introduction to iot	30-07-2018 to 20-10-2018
58	Lakshmi Nandaumar	Machine Learning	30-07-2018 to 20-10-2018
59	S.Sundararajan	Recent industry practices in project management and Testing'	27-05-2019 to 31-05-2019
60	Honey Devassy	Recent industry practices in project management and Testing'	27-05-2019 to 31-05-2019
61	Dr.Anish Mathew	FDP on ' Advanced technique for energy and waste water management'	02-07-2018 to 07-07-2018
62	Beenu Riju	Signal Processing from fundamentals to Challenges	09-07-2018 to 13-07-2018
63	Sreevidya P	Signal Processing from fundamentals to Challenges	09-07-2018 to 13-07-2018
64	Lakshmi Nandaumar	Signal Processing from fundamentals to Challenges	09-07-2018 to 13-07-2018
65	Sheffy Thomas	Signal Processing from fundamentals to Challenges	09-07-2018 to 13-07-2018
66	Shruthi Bhaskaran	Industry 4.0 Technology Advances and Implications'	17-06-2019 to 21-06-2019
67	Deepa Mary Mathews	Five day hands on Workshop on Deep learning	19-02-2019 to 23-02-2019
68	Mr. Nithin Rajan	Developing soft skills and personality	01-08-2018 to 30-10-2018
69	Ms. Shidha M V	FDP on Machine Learning Techniques	23-07-2018 to 27-07-2018
70	Ms.Sona Mary Louis	NPTEL online certification on Data Mining	01-02-2019 to 30-04-2019
71	<b>Dr.C.sheela</b>	Transactional Analysis	05-12-2018 to 07-12-2018
72	<b>Dr.Sunny Kuriakose</b>	Refresher programme on teaching Engineering and Pedagogy for effective Implementation of out come based Education	16/07/2018 to 21/7/2018
73	<b>Sajana Shamsuddin</b>	Enhancing Soft Skills and Personality	01-02-2019 to 30-04-2019
74	Nyci Ignatius	Enhancing Soft Skills and Personality	01-02-2019 to 30-04-2019

75	Eldhose P Jacob	Novel Strategies and Applications in Organic Chemistry	17-06-2019 to 22-06-2019
76	Nizamudeen Akbar	Enhancing Soft Skills and Personality	01-02-2019 to 30-04-2019
77	Devi Parvathy S	Experimental and numerical approaches in fundamental fluid dynamics	02-07-2018 to 06-07-2018
78	Dr. Rejeesh C. R.	Basic course in Transactional Analysis	05-12-2018 to 07-12-2018
79	Dr. Rejeesh C. R.	National workshop on Recent advances in metals, processes and applications	16-07-2018 to 18-07-2018
80	Dr.Midhun Paul	Workshop on Disaster Management	16-01-2019 to 20-01-2019

#### Students Joined For Higher Studies

Year	Name Of Student Enrolling Into Higher Education	Program Graduated From	Name Of Institution Joined	Name Of Programme Admitted To
2019	Abhijith Vathayattil	CE	Deakin University, Australia	Master Of Construction Management
2019	Abhishek Satheesh	CE	Nicmar, Pune	Project Planning And Construction Management
2019	Akhila R	CE	College Of Engineering Trivandrum(Cet)	Mtech In Geoinformatics
2019	Amritha U	CE	The University Of Auckland	Master Of Engineering Studiesconstruction Management
2019	Anjana Vinod	CE	Indian Institute Of Infrastructure And Construction	Graduateship Course For Civil Engineering Graduates

2019	Anju Kumar Ajith	CE	Mohawk College Of Applied Arts & Technology	Ontario College Diploma
2019	Anzil Noushad Ameen	CE	Deakin University, Australia	Master Of Construction Management
2019	Arjun V	CE	Deakin University, Australia	Master Of Construction Management
2019	Arun H	CE	Nottingham Trent University, United Kingdom	Msc Civil Engineering
2019	Arya Sajith	CE	Delhi Technological University	Mtech
2019	Clement Paul T	CE	Rwth University Aachen, Germany	Master's In Construction Robotics
2019	Devadathan K S	CE	Deakin University, Australia	Master Of Construction Management
2019	Edwin Joseph	CE	Lambton College, North York	Construction Project Management
2019	Elias Sunny	CE	Scms School Of Engineering And Technology	Mtech In Environmental Engineering
2019	Gopika B	CE	Carleton University.	M.Eng Civil
2019	Hredya E M	CE	University Of Windsor, Canada	Master's In Civil Engineering
2019	Justin Varghese	CE	Nottingham Trent University, United Kingdom	Msc In Civil Engineering
2019	Kirti Suresh	CE	National Institute Of Technology Karnataka	Mtech In Geoinformatics

2019	Kripa Subramanyan	CE	Aisat	Mtech Soil Mechanics And Structures
2019	Krishnanjana Shibu	CE	University Of Windsor, Canada	M.Eng Civil Engineering
2019	Mariam	CE	Christ University, Bangalore	Mba In Lean Operations And Systems
2019	Mathew Varghese	CE	Nicmar	Pgp Qscm
2019	Merin Babu	CE	Nitk Surathkal	Mtech-Marine Structures
2019	Milton K Martin	CE	Lambton College, Toronto	Advanced Project Management And Strategic Leadership
2019	Mohammed Naseef	CE	University Of Strathclyde, Glasgow	Msc Project Management And Innovaton
2019	Pavithra S	CE	Indian Institute Of Infrastructure And Construction, Kollam	Pg Diploma In Advanced Construction Management
2019	Pius Nigyl	CE	Rics Sbe Mumbai	Mba In Construction Project Management
2019	Priya David	CE	Fanshawe College London, Canada	Pgdm In Construction Project Managment
2019	Reshma Rajan	CE	Nss College Of Engineering, Palakkad	Mtech In Structural Engineering
2019	Risni Salim	CE	Scms School Of Engineering And Technology	Mtech Structural Engineering
2019	Sane Urmees	CE	Lambton College, Mississauga	Advanced Project Management And Strategic Leadership advanced Project Management And Strategic Leadership

2019	Sanita Martin	CE	Lambton College, Mississauga	Advanced Project Management And Strategic Leadership
2019	Sanjay Das N	CE	Aimit, Mangalore University	Pg Diploma In Banking And Finance
2019	Sanju Shaju	CE	Nicmar, Hyderabad	Pgp Acm
2019	Sona B K	CE	Scms	Mtech In Environmental Engineering
2019	Sreekumar Suresh Shenoy	CE	Deakin University, Australia	Ms In Construction Management
2019	Swathy P Venugopal	CE	Universty Of Leeds, United Kingdom	Msc In Environmental Engineering & Project Management
2019	Tony Varghese	CE	Lambton College, Toronto	Construction Project Management
2019	Varsha Babu	CE	Nitk Surathkal	Mtech In Construction Technology And Management
2019	Vindhya Udaya Kumar	CE	Deakin University, Australia	Ms In Construction Management
2019	Anjitha Sasi	CSE	M A College Of Engineering, Kothamangalam	Mtech In Computer Science And Engineering
2019	Divya Unnikrishnan	CSE	Fannshawe College Boulevard	Informtion Security Management
2019	Jeff Mathew	CSE	University Of Bath	Msc In Data Science
2019	Merin Sebastian	CSE	Model Engineering College, Thrikkakara, Ernakulam	M.Tech In Image Processing

2019	Riya Mary Thomas	CSE	University Of Liverpool	Msc Financial Technology
2019	Sangeeth M	CSE	IISC	M.Tech In Ai In Dept Of Ee
2019	Shrine Mary Reji	CSE	NIT, Calicut	Mba
2019	Shruthi K	CSE	North Eastern University Of Professional Studies	Master Of Professional Studies In Applied Machine Intelligence
2019	Jenita Jerard	EEE	Technical University Chemnitz, Germany	Msc. Automotive Software Engineering
2019	Sukhoi Stephan	EEE	Technical University Chemnitz, Germany	Master's Program Embedded Systems



### **INAUGURATION OF FIRE FIGHTING INSTRUMENTS TRAINING**

JAN 24 2019: A Training Programme on Fire Fighting Instruments training was conducted by the Department of Fire and Rescue Govt. Of Kerala at FISAT Auditorium Dr George Issac Principal Inaugurated the Programme



### **KSREC TRAINING**

JAN 12 2019:Dr Suresh Francis, Chief Scientist inaugurates the Earth mapping Survey at Mookkannoor Panchayath. Ms Jaya Radhakrishnan President Mknr Panchyath, Mr Biju Palatty Vice President MKNR Panchyath, Dr George Issac Principal FISAT were also seen.



## NATIONAL SCIENCE DAY CELEBRATION

Thursday, 28 February: National Science day was inaugurated at FISAT Auditorium Dr Paul Mundadan, Chairman, Dr George Issac Principal, Dr C Sheela Vice Principal, Dr KSM Panicker Academic Director were also seen



### NIRMAN 2K19

08.03.2019

An aerial view of Nirman2K19 - A Build Expo organised by the Department of Civil Engineering





### **INAUGURATION OF NIRMANN2K19- BUILD EXPO**

08.03.2019

Mr Roji M John MLA inaugurating the Build Expo- NIRMANN2K19 at CSA Hall, Angamaly



### **SAURA PROJECT INAUGURATION**

12.03.2019

Mr N S Pillai, CMD KSEB, Inaugurates the Saura - Solar project Training at the college Auditorium.

## Research, Innovation and Extension

Faculty members are encouraged to publish research articles

SL. NO	Title of Paper	Name of Author/s	Dept.	Name of Journal	ISSN Number
1	Computer Aided Detection of Clustered Micro classification: A Survey	Dr.Arun Kumar M N, Dr. Anil Kumar M N	CSE	Current Medical Imaging	1573-4056
2	Taming of RESULT Prediction Based on IQ and EQ	Dr. Paul P Mathai	CSE	International Journal of Current Engineering & Scientific Research	2393-8374
3	Dual Sentiment analysis using Convolutional Neural Network	Hema Krishnan	CSE	Journal of Advanced Research in Dynamical & Control Systems	1943-023X
4	A Comparative Analysis of Image Encryption Techniques Using Chaotic Maps and DNA	Siyamol Chirakkarottu	CSE	Journal of Advanced Research in Dynamical & Control Systems	1943-023X

	Cryptography				
5	Developing a bilingual mobile dictionary for Indian Sign Language and gathering users experience with signdict	Dr. Jestin Joy	CSE	Assistive Technology	1040-0435
6	Despeckling of ultrasound images using directionally decimated wavelet packets using Adaptive clustering	Sreevidya P	EIE	IET Journal for Image processing	1751-9659
7	A Reduced Switch Multilevel Inverter Topology Utilizing a Capacitive Divider	Rabiya Rasheed, Dr. Saju K.K	EEE	International Journal of Electronics Engineering (IJEE)	ISSN: 0973-7383, Vol. 10, Issue 2, pp. 638-641

8	An Efficient Position Tracking Smoothing Algorithm for Sensorless Operation of Brushless DC Motor Drives	Surya Susan Alex, Dr. Asha Elizabeth Daniel	EEE	Modelling and Simulation in Engineering	1687-5605
9	Multiple Input Bidirectional DC-DC converter for DC Drive Applications	Rakhee R, Asha K A	EEE	International Journal of Analog Integrated Circuits	IJAIC volume 4 issue 1
10	Harmonic Analysis of Single Phase Inverter	Arun Gopan, Muhammed Noufal C.	EEE	Journal of Microelectronics and Solid State Devices	2455-3336
11	Effect of fire retardant treatment on Mechanical properties of Medium Density Coir Composite Boards	Dr Rejeesh C R	ME	Wood and Fiber Science	ISSN 0735-6161

1 2	Relative improvements in flame resistance of coir fiber boards treated with fire-retardant solution	Dr Rejeesh C R	ME	Journal of wood science	ISSN: 1611-4663
1 3	'Rebuilding customer loyalty with consumer electronics extended warranty programs in Indian organized retail'	Dr. A J Joshua	MBA	M-Infinity journal of management , Vol.12, Special Issue – 3, pp 76-81, 2018, ISSN-0793-7197	ISSN-0793-7197
1 4	'A study on consumer preference towards purchase of durables extended warranties from Indian modern retail stores',	Dr. A J Joshua	MBA	Research Review journals, ICCMCT 2018, Special issue, pp 205-212	ISSN 2455-3085 (Online)
1 5	'Management studies: General management risk preference	Dr. A J Joshua	BA	Shanlax International journal of management , Vol 5, Special Issue	2321-4643

	s and demand drivers of consumer durables extended warranties'			1, pp 132-141, 2018.	
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SL. NO	Title of Paper	Name of Author/s	Dept.	Name of Journal	ISSN Number
16	Relationship between job orientation and performance of sales people: A financial services industry perspective	Dr. Jose Varghese	MBA	IIM Kozhikode & Society Management Review	ISSN 2277-9752
17	A Novel Approach for Provenance Transmission in Wireless Sensor Networks	Sujesh P Lal, Joe Prathap P M	MCA	Journal of Advanced Research in Dynamical & Control Systems	1943-023X
18	Effects of Pre-processing Phases in Sentiment Analysis for Malayalam Language	Deepa Mary Mathews	MCA	International Journal of Computer Sciences and Engineering (IJCSE)	2347-2693
19	Opinion Mining on Twitter Data Using Supervised Machine Learning Algorithms	Deepa Mary Mathews	MCA	International Journal of Computer Sciences and	2347-2693

				Engineering (IJCSE)	
20	Safe Diffusion of Provenance in Wireless Sensor Networks Using in Packet Bloom Filter Provenance Encoding Technique	Sujesh P Lal, Joe Prathap P M	MCA	International journal of Engineering & Technology	2227-524X
SL. NO	Title of Paper	Name of Author/s	Dept.	Name of Journal	ISSN Number
21	Sentiment Analysis on Malayalam Language: A Survey	Deepa Mary Mathews	MCA	International Journal of Management Technology and Engineering (IJMTE)	2249-7455
22	Synthesis and experimental investigations on the photoconductivity of p-aminoazobenzene based non-conjugated polybenzoxazine system	Dr. Sona Narayanan	S&H	Polymer	0032-3861
23	Low band gap donor acceptor phenothiazine copolymer with triazine segment Design, synthesis and application for optical limiting devices	Dr. Sona Narayanan	S&H	Journal of Luminescence	0022-2313

24	Dynamic Behaviour and Seismic Response of Ground Supported Cylindrical Water Tanks	Asha Joseph and Glory Joseph	CE	Journal of Institution of Engineers India, Series A	2250-2157, 2250-2149
25	Seismic behaviour of circular water tanks under combined Fluid – Structure and Soil – Structure Interaction effects	Asha Joseph and Glory Joseph	CE	Journal of Emerging Technologies and Innovative Research	2349-5162
SL. NO	Title of Paper	Name of Author/s	Dept .	Name of Journal	ISSN Number
26	Structural Behaviour of Welded I-Beam to Box-Column Connections under Dynamic Loading	Shahid P.T. and Asha Joseph	CE	International Journal for Research in applied science and Engineering Technology	2321-9653
27	Investigation on Buckling Behaviour of Anchored Steel Tanks	Deepthi Stephen and Asha Joseph	CE	Journal of Emerging Technologies and Innovative Research	2349-5162
28	Storm Surge and its Effect – A Review on Disaster Management in Coastal Areas	Chippy M. Rajan, Jawahar Saud S.	CE	Civil Engineering Research Journal (CERJ)	2575-8950





### **FISAT ENS MAKER FAIR**

FISAT Engineering College in association with Emirates National School Sharjah conducted a Maker Fair at Sharjah. Dr Abdul Rahman Pro Vice chancellor KTU inaugurated the function. Paul Mundadan Chairman fisat, Mr Ravi Thomas Principal ENS, Dr Abraham Thomas, Senior Vice Principal ENS, Jiby Varghese Program Coordinator were also seen



### **INAUGURATION OF TECHPLANET**

27.09.18

The honourable Governor of Kerala Shri. Justice (Retd) P Sathasivam inaugurating the National Level Innovation and entrepreneurship summit called FISAT TECHPLANET 2018. Paul Mundadan, Chairman, FISAT, Roji M John MLA, Dr Ramesh U Regional Director AICTE, Pradeep V S President FBOA, Dr George Issac Principal FISAT and Mr Ashuthosh Kajuria Executive Director Federal Bank Ltd. Were spoke on the occasion



### **FISAT TECHPLANET**

FISAT TECHPLANET is a national meet for the scientists and innovators to exhibit their talents and discoveries.

Flood Relief

## **FISAT Flood Relief Activities**

**Rescue Operation :** The staff and students of our institute took part in rescue operations centred at Angamaly, Aluva and other parts of Ernakulum and Thrissur Districts. 20 staff members and 40 students have taken part in this rescue activity during flood. The FISAT National Service Scheme Technical Cell has done a commendable work in flood relief and rehabilitation project.

**Relief works :** Our relief works included collecting food items, textiles and medicines for stranded people in camps. The main areas of relief work was Angamaly and Aluva. Our staff members and students have distributed relief material in 14 camps in and around Ernakulum District.

**Cleaning Activities :** FISAT NSS Technical Cell co-ordinated commendable cleaning activities in the houses affected by flood in Angamaly Municipal Area, North Kutiyathode, South Aduvaserry and Chalakudy areas. 150 NSS student Volunteers and 500 other students have taken part in the cleaning drive from 19th August to 2nd September 2018. Our students cleaned 2 schools in Angamaly regions in these days. Volunteers have cleaned more than 150 houses in these regions.

NSS volunteer also helped the school students affected by flood by writing note books to those who lost. We extended our service to 5 schools named GHSS, Manjapara, Holy Family High School, Angamaly, St. Patricks School, Manjapara, St. Joseph HSS Angamaly, De Paul School, Angamaly. Around 300 students helped the school students from 30th August to 2nd September.

**PUNERJJANI 2018 Project :** A Rehabilitation project named "Punerjjani" is initiated by FISAT NSS Technical Cell at Angamaly and other affected areas covering 300 houses. As a first phase 100 houses in Angamaly area are identified for renovation. An amount of Rs. 50 lakhs is estimated for this project. NSS volunteers and other volunteers from FISAT are coordinating the work. In each day a total of 60 students worked at rehabilitation work site. Plastering and painting jobs were carried out in this project. The work started at St. George Nagar, Edathodu Colony, Angamaly. The institution identified a homeless family in the area and undertook the construction work of a new house. We could also complete the relief work at Charkola colony and Kayyethumkuzhi colony as well.

**Flood Renovation Works in Two Phases :** In the first phase of Punerjjani we could renovate 100 houses in Edathodu Colony Angamaly, affected by flood and in the second phase, renovation and rehabilitation of remaining damaged houses were also completed at Charkola colony and Kayyethumkuzhi colony Angamaly. The resident associations in the locality organized meetings as a token of their gratitude for FISAT and to honour our teachers and students who selflessly worked for the success of this project..

**New Houses for Homeless :** With the support of NSS Technical cell we could start the construction work in 3 new houses in Angamaly and Nedumbassery area for the families, who lost their homes during flood. The foundation stone laying ceremony for 3 houses was held on 24th September 2018 by Mr. Paul Mundadan, Chairman FISAT. These three houses are nearing completion.

Service of mobile Fabalab : FISAT has leveraged the facility of mobile Fablab to do free servicing for electrical and electronics equipments affected by flood. They camped at Angamaly from 31st August to 2nd September and freely serviced hundreds of electronics goods which were damaged in floods.

Flood Relief Survey : The Student volunteers and staff of FISAT conducted survey for flood affected houses in Nedumbassery and Mookkannoor panchyaths on 9th, 16th, 22nd September 2018. Around 250 students participated in this survey activity and 2500 houses were covered. The Honourable District Collector Muhammed Y Safarulla appreciated our effort in conducting the survey and the relief activities.

Chiefministers Distress Relief Fund : FISAT donated Rs. 10 lakhs to the chiefminister 's Distress relief fund for the flood relief activities.

### **Centre For Continuing Education (CCE)**

Four Faculty Development Programmes on "ICT Enabled Teaching Pedagogy" in association with 11T Bombay

Certification program from ISRO & IIRS

1.5 Lakhs funding from 11TB for purchasing kits in Robotics lab

One FDP in Robotics in association with Eyantra Project 11T B

First prize in All India Robotics Competition conducted by 11T Bombay

16 Senior students and 32 Junior students being mentored under the Center for excellence in Robotics set up in association with 11T Mumbai

Three students selected for summer internship conducted by 11T Mumbai

### **Institute of Electrical and Electronics Engineers (IEEE)**



## ROBOTIC CONVLAVE

MAY

1

2019

Dr P H Kurian, Former Principal Secretary inaugurating the National Level Robotic Conclave 'DROID 19' at FISAT Auditorium

- IOT  
 Android development & Java Date: 6th -13th July 2018  
 IEEE Orientation Program For 1 st Year B.Tech. Students  
 Debate, Topic : 71 years of freedom; whether India has utilized its resources & Technology in the right manner to achieve development, Date : 15thaug.2018  
 Volunteer Training, To develop leadership quality and enhance skills of SB members as team players, Date : 8thaug.  
 Ted Talk Competition for first years as a part ofavishkar 2k18, Date: 14thaug.2018
  
- ARISE 4.0, Date : 20th,Sep.2018  
 AKSC 18, All Kerala Student Congress - Annual flagship event ofieee Kerala section 3 day All  
 Kerala technical event, Date : 21 st, 22nd & 23rd Sep. 2018  
 C Programming workshop, Date : 12th Sep. 2018  
 Texvo tech talk, Date : 11th Oct. 2018  
 IEEE day celebration & Managerial Workshop, Date : 2nd Oct. 2018  
 IEEE Day Quiz, Date : 4th Oct. 2018  
 C programming workshop, for 1 st years, Date : 9th, 10th, 11th Oct. 2018  
 KSEB Quiz Competition, Date : 30th Oct. 2018  
 Google Firebase workshop, Date : 6th Nov. 2018  
 Web designing workshop, Date: 2nd, 7th, 8th Nov. 2018

### SPARC

Date	Name Of Programme	Category	No of Beneficiaries
1/1/2019 To 4/1/2019	Mobile FABLAB Exhibited At SH College, Thevara	Entrepreneurship /Innovation	2500
25/1/2019	Technology Popularization Programme at Morning Star	Entrepreneurship /Innovation	350

	Home Science College Angamaly		
12/02/2019	Pre Techfest Workshop on "Information security & ethical Hacking"	Workshop	50
23/2/2019	Career Guidance Programme at Crescent Public School, Chalakudy	Entrepreneurship /Innovation	400
2/3/2019	Technology Popularization Programme at St: Patricks Academy, Manjapra	Entrepreneurship /Innovation	800
16/03/2019	Arduino Day 2019 Workshops/ Innovations		50
18/3/2019	Computer Training Programme for UBA Adopted villages	Workshop	10
29/3/2019	Career Guidance Programme - VBHSS Thrissur	Entrepreneurship/ Innovation	100
30/3/2019	Career Guidance Progamme St:Thomas HSS Malayatoor	Entrepreneurship/ Innovation	100
26/4/2019 & 27/4/2019	FABDAY 2019	Entrepreneurship /Innovation / Workshop	300

- Mobile Fablab won first prize in project exhibition conducted by Sacred Heart College, Thevara.

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.
- Commenced the activates of Unnat bharatabhyan Cell (UBA)—Flagship program of ministry of hrdd.
- MHRD innovation cell awarded 3 star rating for FISAT Institution innovation cell for its activities during the academic year 2018-19.

### INFORMATION SECURITY AND ETHICAL HACKING

FEB

12

2019



Dr K S M Paniker Director Academic inaugurates the An awareness programme on Information Security and Ethical Hacking. Dr C Sheela Vice Principal, Jiby Varghese hod SPARC, N T Babu,KTU Technical Fest Coordinator were also seen



## **MOBILE FAB LAB**

JAN 23 2019:A TRAINING SESSION IN MOBILE FAB LAB AT SHOHS MOOKKANNOOR



## GREEN CAMPUS - SWAN

SWAN (Sanguine Workers and Admirers of Nature) is a dedicated group of staff and students who involve in various agricultural activities and sustainable development in the campus. Precision farming, where thrust is given to produce maximum with minimum depletion of natural resources is practiced in the Institute. Minimizing the use of pesticides, focus is given to organic farming. Seasonal plants like cabbage and cauliflower are cultivated by the Club. The treated waste water from treatment plant working inside the campus is used for watering the plants. This is a good example of water conservation and eco friendly farming. The Nature Club SWAN aims at creating a new generation of youth, which recognizes the importance of preserving nature and creates eco friendly and green solutions. A high Tech Green House farming project with central and state subsidies is implemented in the campus to inculcate and propagate the modern pollution and chemical free agriculture in society. Activities involved under the SWAN are

Planting seasonal vegetations like spinach, cabbage, Snake Guard, etc  
Aqua phonics

- Aqua culture farming
  - Root products like tapioca, Guam, etc
  - Maintenance of college garden
  - Orchid farming
  - Poly house
  - Maintain the campus green
  - Students involvement in campus vegetation
  - Mantaining the animal farm
  - Cow dung is used as manure to the campus greenery
  - Energy conservation —clean energy: From solar power system we are producing more than 50 kilowatt power.
  - Sewage Treatment Plant
  - Vegetables like tomato, green chili, ladies finger etc are cultivated in a Poly house utilizing concept of Aquaponics where fish waste is utilized for cultivation, also accounting for fish haul of not less than 500 kg offish every year.
  - Conducted a painting competition based on the theme my waste is my responsibility many number of students participated in the competition and the winners are awarded with cash prize. College SWAN team has won the National level award for Green Initiatives of FISAT instituted by Kerala Management Association (KMA)
  - College swan team has won the Best Private Institution Award For Project Based Cultivation by the Department of Agriculture, Govt. Of Kerala



## **NSS**

World Environment Day - 5th June 2018 : As part of environment day NSS FISAT supplied different varieties of plants to the 10 nearby Schools and then official inauguration was held at St. Joseph's H S Kidangoor. NSS volunteers and program officers took part in the function.

Snehakuppayam : A dress donation campaign called 'Snehakuppayam' for the needy people of Attapadi was organized. We collected the dress from students as well as from teaching and Non staffs. The dress collected were sorted and packed by the volunteers and it was handed over by Jiby Varghese, NSS programme officer to the NGO representative on August 13th. Due to the poor climatic condition it was not able to hand over to people of Aattapadi and it was provided to the relief camps.

Independence Day - 15th AUGUST 2018 : The National flag was hosted at 8 am. NSS volunteers took part in it.

Rescue, Relief, Rehabilitation Activities : NSS volunteers took part in the rescue and relief activities during the time of flood and Post flood activities at various locations. FISAT NS S Unit has initiated project for rehabilitating 300 homes. The NSS unit took the lead role in constructing 3 new houses for 3 homeless people.

NSS Day : As part of nss day a poster making competition was held.

Surgical Strike Day : On the 2nd anniversary of indianarmy's surgical strike on Pakistan in reply to the Uri attack was observed by the NSS Technical Cell FISAT. Col. Shaji M Varghese (Retd) addressed the students.

Gandhi Jayandhi - 2nd Oct 2018 : As a part of Gandhi Jayandhi a poster making competition was held, also a cleaning program was held at Angamaly. Around 40 nss volunteers attended the inauguration program of GREEN CAMPUS, SAFE CAMPUS held at govt. Polytechnique, Kalamassery. Shri Muhammad Y Safarulla (Dist. Collector Ernakulum) inaugurated the program.

Day to remember : The flagship program "day to remember" was conducted on 13/10/18 at Aeli Hills Aluva. The day was well spent with differently abled children where volunteers gave their sincere efforts to make it successful. Jiby Varghese NSS programme offcer conducted the programme. Mr.Tom Anto, NSS programme officer and other staff from college was present on the occasion.

## Sports

### Individual Achievements

S	NAME	ACHIEV	LEVEL OF TOURNAMENT
01	Nandini Menon	Bronze Medalist	● N a t
02	Hajira Althaf	Team member	● Dr APJ Abdul Kalam Technological University
03	Rosemol Wilson	Team member	● Dr APJ Abdul Kalam Technological University
04	Dilshada Sabnam	Team member	● Dr APJ Abdul Kalam Technological University
05	Swathi S	Team member	● Dr APJ Abdul Kalam Technological University
06	Anan Ashraf	Team member	● Dr APJ Abdul Kalam Technological University
07	Ajay Diji	Team member	● Dr APJ Abdul Kalam Technological University

### FISAT TEAM ACHIEVEMENT

SI No	Name	Achievement	Level Of Tournament
01	FISAT Cricket team	Third position	Dr APJ Abdul Kalam Technological University Zone D
02	FISAT Foot Ball team	winners	All kerala inter collegiate Foot ball tournament Rajagiri Trophy 2017-18
03	FISAT Volleyball	Runner Up	Dr APJ Abdul Kalam Technological University D Zone for Women 2017-18 & 2018-19
04	FISAT Basketball Men	Winners	Dr APJ Abdul Kalam Technological University D Zone for Men 2018-19
05	FISAT Table Tennis Men	Winners	Dr APJ Abdul Kalam Technological University D Zone for Men 2018-19
06	FISAT Basketball Men	Second Runner Up	Dr APJ Abdul Kalam Technological University Inter Zone for Men 2018-19 at Mohandas college of Engg, Thiruvananthapuram
07	FISAT Foot Ball team	Runner Up	Dr APJ Abdul Kalam Technological University D Zone for Men 2018-19
08	FISAT Foot ball team	Winners	Penalty Shootout Competition Organised by Kerala Excise Department for college students at MA College, Kothamangalam

## TOURNAMENTS HOSTED

SL NO	TOURNAMENT
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	FBOA zonal Cricket Tournament
5	Dr APJ Abdul Kalam Technological University Tabletennis Tournament 2018-19 Zone D ( Men & Women )
6	FISAT Annual Athletic Meet 2018



### **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

## ARTS



### INAUGURATION OF BHARATHAM 2K19

FEB 6 2019.:Mr Peter Haine Chief Stunt Artist Inaugurates the National Cultural Fest 'Bharatham 2K19'



### BHARATHAM 2019

FEB 6 & 7 – 2019: A Scene from the National Cultural Fest Bharatham 2K19 at FISAT Auditorium

# Awards and recognitions



29.06.18

**FISAT is being honoured for its contributions to the society and FUTURE Kerala Financial Daily is awarded FISAT as the 'Best Institute for Excellence in Engineering Education' – Unfolding human Elements in Technology'. Paul Mundadan Chairman FISAT received the award from Hon'ble Governor Justice (Rtd) P Sathasivam at Crown Plaza, Kochi.**







**ENVIRONMENT AND GREEN INITIATIVE AWARD**

06.07.18

For the outstanding contributions to the mother earth and Nature, FISAT SWAN Team has recognised as the winner under the category of Environment and Green Initiatives by Kerala Management Association (KMA) Paul Mundadan Chairman FISAT received the award from V Guard Group CEO and MD; Mr Kochauseph Chittilappill.



**Ms Nandini Menon (Dept of CSE ) receiving The first KTU Outstanding Sports person of the year Award 2018-19 from Mr. V S Sunil Kumar,Minister for Agriculture ,Govt of Kerala.**

## Women Empowerment

The women cell in fisat has been actively functioning since the year 2015. During these years the women cell through its stakeholders has remained focused on women empowerment.

### Events organized by women's cell for ay 2018-19

Talk on "healthy diet for adolescent girls"



Healthy eating during adolescence is important as body changes during this time affect an individual's nutritional and dietary needs. Teens are becoming more independent and making many food decisions on their own. In order to give awareness of having healthy diet habit among girls, the women's cell, fisat organized a talk on 'healthy diet for adolescent girls' by Mrs. Shimy Joseph, assistant professor, department of computer science & engineering, fisat on 10th October 2018.

### Talk On “Awareness On Gender Stereotypes And Sexism”



On november 23, 2018, ms. Reshmi r, assistant professor, department of computerscience & engineering, fisat, addressed the fisat community on one of the most discussed topics: ‘awareness on gender stereotypes and sexism’. Ms. Reshmi, with this talk, emphasized how gender stereotyping and sexism presents a serious obstacle to the achievement of real gender equality and how it feeds into gender discrimination. Gender stereotypes and sexism are preconceived ideas whereby males and females are arbitrarily assigned characteristics and roles determined and limited by their sex.

### Talk on “equal access of women to justice”



on the 17th of january, 2019, dr. kavitha p.e, an associate professor from the department of civil engineering at fisat delivered an emphatic speech on “equal access to women for justice”. everyone, regardless of gender, has the right to receive justice. dr. kavitha pointed out that it is easier for an underprivileged man to be recognized in the legal system than for women of the highest social status. following which, many Remarkable Points Were Made Regarding How Women Can Take Active Measures To Seek Out The Justice Rightly Meant For Them.

## Women Hackathon

“Women hackathon” was conducted as a part of icefoss-2019 on 19th and 20th of february 2019. It is a hackathon exclusively for women which aims to connect and inspire women, and be a stepping stone in furthering education and technological career. Women Hackathon provided an opportunity to create space that will make women leader of technology. Around 32 students from various colleges participated and it was a highly successful event.



*Women Hackathon*

## Talk On “Financial Education For Women”



Being empowered to make good financial choices is called financial literacy. Women cell, fisat organised a programme on “financial education for women” on 14th february, 2019 with an objective to create awareness among the students about the need to earn and save to lead a dignified life. The resource person for the programme dr. Dhanya alex, associate professor, fisat business school discussed the difference between “needs and “wants”, and taught the young girls how to negotiate their debt, understand the mechanics of loans/emi components, and the use of bank account facilities such as atms, sms alerts and cheque books.

## Chapter 8 - Sustainable Development



### World Environment Day Celebrations

World environmental day celebrations was inaugurated by ms molly vincent panchayathu president mookkannor gramapanchayath on 5th june. Agricultural officer ms sherly . M presided over the function. P i bose treasurer, fisat given the key note address. Dr. George issac principal, dr. K s m panicker director academics, dr sunny kuriakose, dean studentaffairs ms. Jijy antony program co ordinator -swan ,dr. Saraswathyamma program coordinator swan ,mr. Dhanish m-swan were participated in the function.

## Human Powered Vehicle Club Vehicle Club



The human powered vehicle club operating under the department of mechanical engineering, fisat is a club with the vision of revolutionizing the human powered transportation. The club was established in 2018 after a team of Mechanical Engineering Aspirants competed in the ASME Human Powered Vehicle Challenge in 2017 held at LNMIIT, Jaipur and achieved a respectable position in the competitions. They have become the 2nd team from Kerala ever to compete in HPVC.





## Service Learning

### Social Outreach And Extension Activities



### PUNARJANI HOUSES

FEB 23, 2019: Three New Houses were built in connection with Really Bad affected Flood for the Victims in the name of Punarjani Project



In August 2018, Kerala Witnessed The Worst Flood Of The Century. The Unprecedented Floodgave Miseries To The People Of Kerala. The Socially Committed Stakeholders Of Federal

Institute of Science And Technology (Fisat) Extended Their Helping Hand To The Victims Of Flood. The Nss Technical Cell Took The Leadership Of Coordinating The Fisat Flood Rescue, Relief And Rehabilitation Activities- “Punarjani”. The Activities Were:

- Cleaning activities
- Free services of equipment
- Conducted survey at Nedumbassery Panchyath

They helped more than 1000 flood affected families in ernakulam and thrissur district. Fisat flood rehabilitation project” punnerjani” has restored more than 200 houses in flood affected areas and constructed 3 new houses for flood victims.

### **SOCIAL VISIT**



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

National Level Best Project Award From IIT-Bombay



As part of cer (center of excellence in robotics and iot) initiative, an ideas competition called the **eyic 2018** was conducted by **iit bombay** out of which 18 teams were selected as winners within specified categories. Our group from fisat bagged the award in the “mostrealistic” category for our project “disease diagnosis machine”. The project was to help the rural people by developing a disease diagnosis machine.

# Federal Institute of Science and Technology (FISAT)

## Internal Quality Assessment Cell (IQAC)

### Action Taken Report (2018-2019)

Date of Meeting	Decisions	Action Taken
18.08.2018	<ul style="list-style-type: none"> <li>• Collect the data for AQAR for AY 2017-2018</li> <li>• Schedule the APC meeting</li> <li>• Reconstitute the IQAC following the latest norms of the NAAC</li> </ul>	<ul style="list-style-type: none"> <li>• The data for the submission of AQAR 2017-2018 is collected</li> <li>• The format for the submission of documents for APC meeting is prepared by IQAC coordinator and the APC meetings were conducted</li> <li>• The IQAC is reconstituted</li> </ul>
04.12.2018	<ul style="list-style-type: none"> <li>• Authorize to fine tune the course diary contents</li> </ul>	<ul style="list-style-type: none"> <li>• Course diary contents are verified</li> </ul>
18.01.2019	<ul style="list-style-type: none"> <li>• Conduct of inter college art fest - BHARATHAM</li> <li>• Conduct a training program on fire and safety management for the students and staff</li> <li>• School visit to popularize the latest developments in technology</li> </ul>	<ul style="list-style-type: none"> <li>• Decided to conduct Bharatham on 6 &amp; 7 Feb 2019</li> <li>• A training program was conducted on fire and safety management</li> <li>• Visited nearby schools</li> </ul>
27.04.2019	<ul style="list-style-type: none"> <li>• Modify the HR policy of the college</li> <li>• Conduct criterion wise presentation for NBA</li> <li>• Report the absences of students in class</li> <li>• Prepare the handbook and calendar for 2019-2020.</li> </ul>	<ul style="list-style-type: none"> <li>• HR for policy is modified and submitted to management for approval</li> <li>• Criterion wise meetings are conducted</li> <li>• Intimated the parents of the students whose attendance was poor</li> <li>• Prepared the handbook and calendar for 2019-2020 incorporating the academic plan submitted by HoDs of all departments</li> </ul>