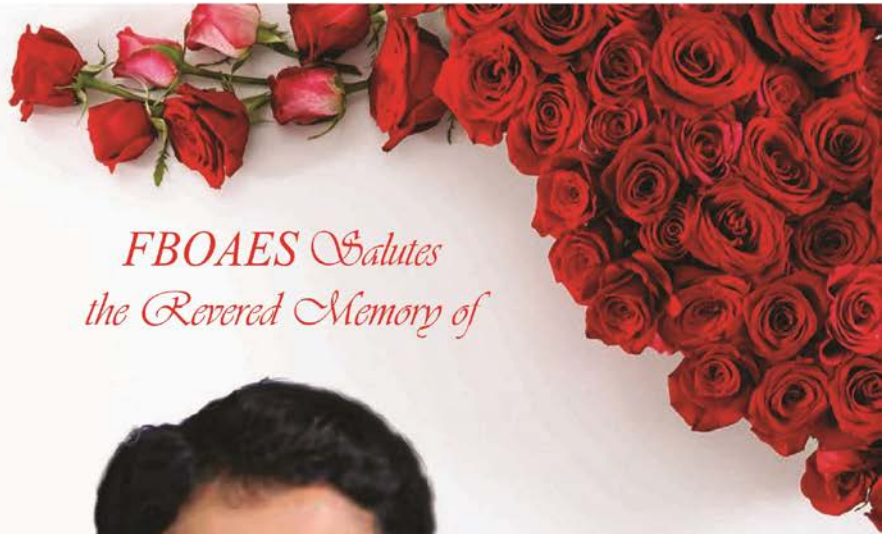


FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

INTERNAL QUALITY ASSURANCE CELL



ANNUAL REPORT
2017-2018



*FBOAES Salutes
the Revered Memory of*



SHINOY GEORGE
(1981-2018)

Assistant Professor
Department of Science and Humanities
FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)®





Adv. Jose Thettayil Ex. MLA inaugurates the Build EXPO NIRMAN 2018



Adv. N.C. Mohanan, Chairman TELK inaugurates the National Level Technical Expo NAUTILUS 2K18



Dr. Abdul Rahman, Pro Vice Chancellor, KTU inaugurates the FISAT - ENS MAKER FAIR, Sharjah

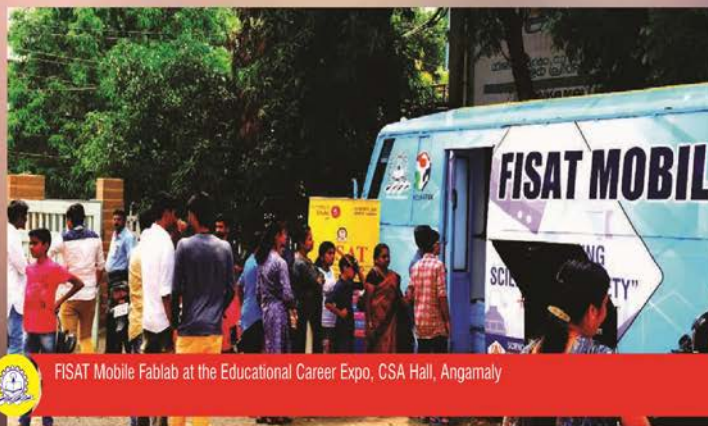
2017-18



Prof. Dr. Rose Varghese, Vice Chancellor, Nuals Kochi inaugurates the MBA Induction Programme




Film Director Mr. Diyo Jose inaugurates the National Level Cultural Fest ARANGU 2018




FISAT Mobile Fablab at the Educational Career Expo, CSA Hall, Angamaly

2017-18




 Prof. Katta Venkittaramana, Head, Civil Engineering, NIT Surathkal inaugurates the National Conference SECON 2018



 The launch of International TEDx FISAT



 Honourable Justice (Retd.) P. Sathasivam, Governor, Kerala Presents the Future Kerala Educational Excellence Award to Mr. Paul Mundadan, Chairman, Governing Body FISAT

2017-18

Governance and Administration



Mr Paul Mundadan, Chairman

Dr George Isaac, Principal

Dr C Sheela, Vice Principal

Dr KSM Panicker, Director

Dr Sunny Kuriakose A, Dean (Student Affairs)

Dr George V Antony, Director, FBS

Mr Prakash C Chandy, Chief Administrative Officer

Dr Joshua A J, Professor, FBS

Ms Parvathy R, HoD, EEE

Mr Arun S, AP, Physical Education

Ms Jos Cherian, HOD, ME

Ms B Vijayakumar, Administrator

Ms Saly C K, Senior Warden, Ladies Hostel

Mr Jiby Varghese, AP, ECE

Mr Sunderarajan, HoD, EIE

Ms Mini P R, HOD, ECE

Mr Santhosh Kottam, HoD, MCA

Mr Unni Kartha, HoD, CE

Dr Prasad J C, HoD, CSE

Mr Sino Varghese, Librarian

Mr Shinto Sebastian, PRO

Mr Rajan Zacharia, Senior Warden, MH
Mr Varghese John, Manager, Accounts
Mr Jose Chakiath, PTA President
Ms Vinitha V, AP, ECE
Ms Honeymol P Chacko, AP, S&H
Ms Senu Abi, AP, MCA
Mr Sajan S, AP, ME
Mr Jawahar Saud, AP, CE
Ms Rosemin Parakkal, AP, EEE
Ms Sreevidya P, AP, EIE
Ms Reshmi R, AP, CSE
Mr Sajan S, AP, ME
Mr Jaison Joseph, Civil Supervisor
Mr Iteera K M, Estate Supervisor
Nominee from industry
Nominee from local body (ward member)
Representative of Alumni
Representative of students (Council Chairman)

Internal Quality Assurance Cell

The IQAC of FISAT has been actively spearheading the activities to ensure quality sustenance and enhancement in all the activities of the institution. After successful accreditation by National Assessment and Accreditation Council in 2016, the institution has started its preparation for accreditation by the National Board of Accreditation this year.

Post NAAC Accreditation Activities

In accordance with the mandatory requirement proposed by the National Assessment and Accreditation Council (NAAC), Bangalore, every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure. Since quality enhancement and quality sustenance are two continuous processes, the IQAC becomes an important part of the institution's system and work. The prime task of the IQAC is to develop a

system for conscious and consistent improvement in the overall performance of the institution. During the post-accreditation period, institutions need to channelize its efforts and measures towards promoting the holistic academic excellence including the Peer Team recommendations.

FISAT has had its first NAAC accreditation in 2016 with ' A' Grade. The reaccreditation by NAAC is due in 2021. The NAAC has brought in several significant changes in the entire accreditation process and format. Submission of the Annual Quality Assurance Report (AQAR) and a functional IQAC are two mandatory requirements for applying for reaccreditation. How best the institute acted upon the Peer Team Report of the last accreditation and also the quantum of achievements and performance of the College during the post accreditation 5 years would be the major criterion for the re-accreditation. The major task of quality initiatives and sustenance is being addressed by the IQAC in the College.

The IQAC has met 6 times this year. The following is the gist of major activities undertaken:

- One-Day Orientation Programme for Teaching Staff on 'Equipping Teachers ' was conducted on July 21, 2017. Mr. Bhoominathan (Trichi) and Dr. George Issac, Principal were the resource persons.
- Two-day orientation programme for Teaching Staff was conducted during July 21- 22, 2017. Fr. Vincent Pereppadan, S.J. on Moulding Students to face the Challenges of today, Dr. Sunny Kuriakose on Student Teacher Relationship, Mr. Prakash C. Chandy, (CAO) on Student Teacher Relationship, Dr. K.S.M. Panicker, (Director Academics) on Better Academics, Dr. George Issac (Principal) on General Attitude, Dr. Chandramohan on Developing Emotional Quotient of Teachers in Work led the sessions.
- The first AQAR was submitted in the prescribed format on December 22, 2017.
- The discussion on the Peer Team report in several meetings of the IQAC was completed.
- Planning of the activities, both academic, non - academic, has been done at the beginning of the year. The College Calendar and Handbook was produced incorporating the activities.
- Monitored the activities of the Academic Progress Monitoring Committee on the academic performance of the students.

- A committee consisting of the Principal, Director, Vice Principal and the IQAC coordinator visited every department and assessed their activities and performances.
- Putting continuous efforts to introduce the Outcome Based Education (OBE) in the institute.
- Working towards NBA accreditation for 7 programmes in the College in two phases.
- Group Advisory system has been made more vibrant.
- Separate Group Advisor format has been designed and distributed.
- Faculty members are encouraged to apply for more research projects and financial assistance from various government funding agencies.
- The title of the College Research Journal has been approved and waiting for the ISSN registration.

Towards NBA Accreditation

The efforts towards NBA Accreditation for all the programmes offered in the College have achieved significant progress. Outcome Based Education (OBE) has already been introduced. As per the new NBA format, there are 10 parameters by which the accreditation of a programme is decided. The accreditation could be either provisional, valid for three years, or full, valid for 5 years. All programmes desirous for accreditation should satisfy the essential conditions mentioned in the Prequalifier. The entire accreditation process in FISAT is being done with help of various committees consisting of HoDs, faculty members and members of the administrative staff. The Committee met frequently and framed several plans of action and prepared various files and documents.

- Practicing Outcome Based Education (OBE) is the first and foremost step towards NBA accreditation.
- A group of 7 teachers were deputed to attend a conference at St Gits College, Kottayam in which NBA Accreditation was the major theme of the conference.
- Yet another group of 12 teachers were deputed to attend an STP on NBA Accreditation for 12 -17 February 2018 organized by CUSAT.
- A one-day programme on NBA Accreditation was conducted on February 17, 2018. Prof. Yamuna Theresa, Amal Jyothi College of Engineering was invited as the resource person.
- A two-day workshop on NBA Accreditation was organized during April 27 - 28, 2018. Dr. S. Baskar, Thiagarajar Engineering College, Madurai was the resource person.

Facilities Added During 2017-2018

CIVIL WORKS

- Installation of Fire Fighting System completed. Final inspection is in progress.
- Diesel Generator Room Block completed and occupied.
- 2 Seminar halls and clock tower attached to the Decennial Block in final stage.
- Ceiling work of boy's mess hall, cooking & work area completed
- Civil, Electrical and Computer Labs in Decennial Block completed
- New water supply system from the well in South to Ladies Hostel completed
- STP staffroom construction in final stage.
- Maintenance of our natural stream running across our plot is completed.
- Boundary wall between the bus bay & the pond, strengthened and completed.
- Beautification work in the Ladies Hostel compound in progress.
- Road safety works inside the campus - road widening, marking of zebra lines, installation of boom barriers and sign boards etc completed.
- Hydraulics & metallurgical labs for Mechanical dept. completed.
- Painting and maintenance works completed.
- Vehicle identification and monitoring system introduced.

ELECTRICAL WORKS

- Energized 50 kW solar power panel and generated more than 80506 kW units completed.
- Electrification works of Ladies Hostel extension completed.
- Electrician works of 3 Nos. of computer labs for CE & EEE departments completed.
- KSEB Ltd. availed incentive for the renovated damaged computer panel.
- Electrification works of Hydraulics & metallurgical labs completed.
- Installed 3 nos. of solar water heater at Ladies Hostel to minimize power consumption.
- Electrical lighting arrester for bank building installed Emergency light control wiring works completed.

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 nd year direct	60
MCA - Master Of Computer Applications (2 year) 2 nd year direct	60

PhD Research Centers

FISAT is approved by KTU to develop PhD Research Centre in various fields of Engineering and Computer Applications: Centres include Computer Science Engineering, Electronics & Communication Engineering and Computer Applications.

Performance in University Examinations

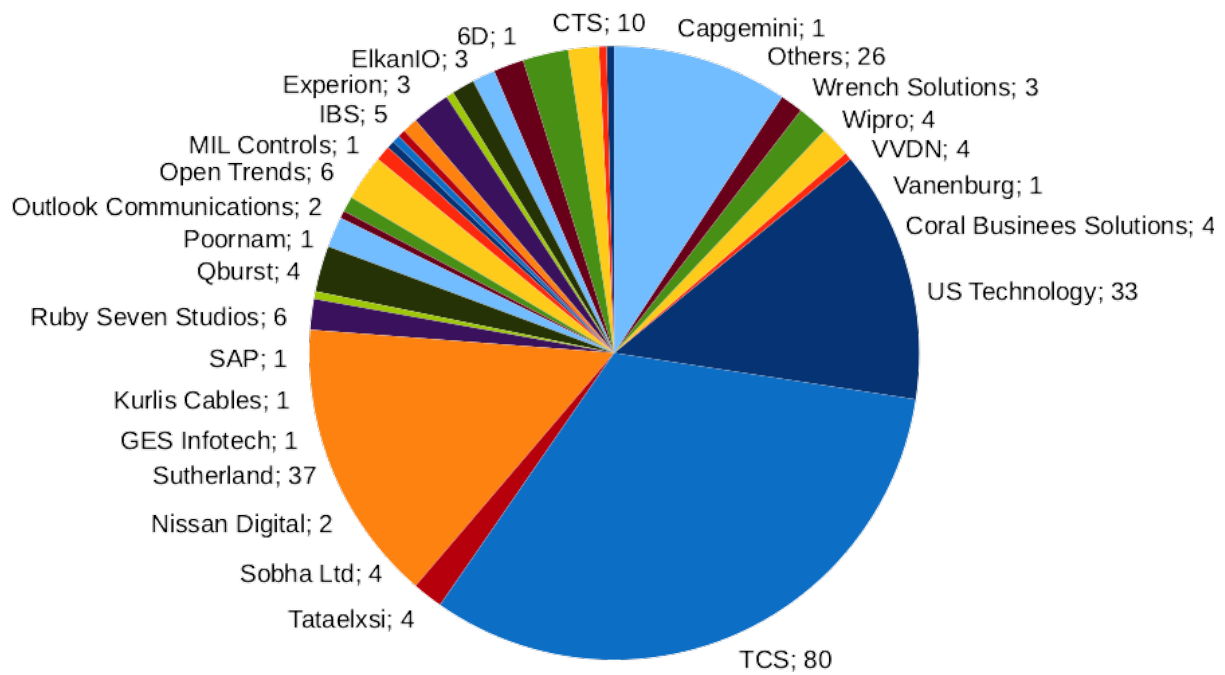
Sl. No.	Dept.	No. of Students Registered for Final Semester Examination	No. of Students Passed Final Semester Examination	Pass Percentage
1	CE	123	116	94.31
2	CS	120	109	90.83
3	EE	62	59	95.16
4	EC	121	115	95
5	EI	58	50	94.83
6	ME	120	114	95
7	MBA	116	114	98.2
8	MCA	102	102	100
9	CE/SECM	24	24	100
10	CS/CSIS	4	4	100
11	EE/PEPS	8	8	100
12	EC/COEN	5	5	100
13	EC/VLSI&ES	2	2	100
14	ME/CIM	0	0	-

Placement



248 Offers in 46 Companies

The major recruiter in 2018 was TCS with 80 offers, followed by UST global, 33 offers. TCS recruited students to their EIS, Engineering and Industrial Services. The recruitment season ended well with students getting offered in many reputed IT and Core Engineering Jobs. The statistics stood at 248 offers in 46 companies. Both IT and Core engineering recruitments showed some revival after the economic turbulence both inside and outside the country.



Statistics 2018

- Number of offers : 244
- Companies recruited : 42

Highlights

- Two students placed in Nissan Digital - 9 lakhs per annum.
 - One offer in SAP - 8.6 Lakhs per annum
 - 80 offers in TCS
 - 4 offers from Sobha Ltd.
- Major Companies - Tcs, Nissan Digital, Sobha Ltd, TATA Elxsi, SAP, UST Global, Cogiizant, Infosys, IBS, Wipro, Ruby Seven, Qburst, Wrench Solutions, VVDN, Digital Core Technologies, Open Trends, Experion, MIL Control, Poornam Infovision
 - Conducted training programs for 10 days in total for all students and 6 dates Company specific trainings for final year students
 - Conducted 4 Online practice tests
 - Three-day soft skill workshop for second year students

Major Recruiters:

- Civil Services

- Defense services
- WELD CRAFT
- Govt. services
- Speridian
- TCS
- Federal Bank
- SAP
- AMAZON INDIA
- Sobha Ltd
- Ruby Seven Studios
- VVDN
- RAZORTHINK
- CONTROLS
- IBM
- Digital Core Technologies
- GES INFOTECH
- Open Trends
- IVTL INFOSYSTEMS
- Wipro
- Nissan digital etc

FDPs organised

1	03 -08-2017 to 07 -09- 2017	Foundation Program In ICT For Education	-
2	15-09-2017 to 16-09-2017	Two day FDP on Power Electronics &Embedded Coding	-
3	13-12-2017 to 14-12-2017	Workshop on Network Programming lab	-
4	12-06-2017 to 15-07-2017	Two week ISTE –STTP on Electric Power System	-
5	21-07-2017 to 21-07-2017	-	Session on "how to deal with day-to- day problems and find solutions"
6	14-09-2017 to 30-12-2017	Pedagogy for Online and Blended Teaching-Learning Process	-
7	21-07-2017 to 22-07-2017	-	Two day Training for Non-Teaching staff
8	20-07-2017 to 20-07-2017	NPTEL Workshop	-
9	25-08-2017 to 26-08-2017	Digital Fabrication Techniques	-
10	15-09-2017 & 21-09-2017	Digital Fabrication Technique	-

FDPs attended

1	Beena B R	FDP:- Emerging Trends in Advanced Concrete Technology	19-07-2017 to 25- 07-2017
2	Lidiya P M	Outcome Based Education- A Gateway for NBA Accreditation	12-02-2018 to 16- 02-2018
3	Neeraja Nair	STTP on Design & Detailing of Structural Elements	08-01-2018 to 12- 01-2018
4	Panjami K	Computational Geotechnics	25-06-2018 to 29- 06-2018
5	Reshma Prasad	STTP on Design & Detailing of Structural Elements	08-01-2018 to 12- 01-2018
6	Rinu J Achison	Outcome Based Education- A Gateway for NBA Accreditation	12-02-2018 to 16- 02-2018
7	Sumayya Naznin P H	STTP on Guidance and Counselling	04-12-2017 to 08- 12-2017

8	Anitha T Nair	Theory of Computation	21-05-2018 to 26-05-2018
9	Anuranj P	Theory of Computation	21-05-2018 to 26-05-2018
10	Dr. Arun Kumar M.N	Nba training	12-02-2018 to 16-02-2018
13	Remya R	Design and analysis of algorithms	27-11-2017 to 02-12--2017
14	SURYA NATARAJAN	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
15	SREEJA E A	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
16	RAKHEE.R	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
17	SURUMI HASSAINAR	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
18	RINKU SCARIA	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
19	VEENA WILSON	NPTEL Course in Electrical Machines 1	1-08-2017 to 31-10-2017
21	Parvathy R	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
22	Stany E George	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
23	ROSEMIN PARACKAL	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
24	Muhamed Noufal C	Two week ISTE STTP on Electric Power System organised by IIT Kharagpur	12-06-2017 to 15-07-2017
25	Aiswariya Raj	Outcome Based Pedagogic Principles for Effective Teaching	01-02-2018 TO 30-03-2018
26	Basil K Jeemon	NPTEL-FDP : Estimation for wireless communications : MIMO OFDM Cellular and Sensor Networks	01-07-2017 to 01-09-2017
27	Christy Jose	Pedagogy for Online & Blended Teaching Learning Process - Sep Oct 2017	14-09-2017 to 12-10-2017
28	AMBILI A R	NPTEL-ANALOG COMMUNICATION	12-07-2017 to 12-10-2017
29		Pedagogy for Online & Blended teaching learning Process	14-09-2017 to 12-10-2017
30	Dr Mini P R	Outcome Based Education- A Gate way for NBA Accreditation	12-02-2018 to 16-02-2018
31	Dr. Krishna Kumar S.	Short term course on MOSFETs & Beyond	10-07-2017 to 15-07-2017
32	Jilu George	STTP	12-02-2018 to 16-02-2018

33	Neena K A	NPTEL course on Basic Electronics	01-01-2018 to 30-04-2018
34	Nimmy M Philip	Pedagogy for Online & Blended teaching learning Process	14-09-2017 to 12-10-2017
35	Nisha R	Pedagogy for Online & Blended teaching learning Process	14-09-2017 to 12-10-2017
36	Sheelu Susan Mathews	NPTEL course on Introduction to IOT	01-07-2017 to 30-10-2017
37	Anu.K.Kuriakose	Course-Effective Engineering Teaching In Practices- Online Certification	01-02-2018 to 30-03-2018
38	Lakshmi Nandaumar	Embedded System Design	01-01-2018 to 30-04-2018
39	Shruthi Bhaskaran	Effective Engg. Teaching in Practice 8 weeks	01-01-2018 to 30-04-2018
40	Sreevidya P	Machine Learning	18-06-2018 to 22-06-2018
41	Dr. Dhanya Alex	Teaching Summer School on Finance and Accounting	23-04-2018 to 28-04-2018
42	Mr. Praveen V	"Foundation Program in ICT for Education"	03-08-2017 to 07-08-2017
44	Ms. Biji U Nair	Multivariate Data Analysis	18-02-2018 to 23-02-2018
45	Ms. Deepa Mary Mathews	Two week AICTE approved FDP on BigData Analytics	20-11-2017 to 02-12-2017
46	Ms. Joice T	Faculty Development Programme on Design Project	15-07-2017 to 19-07-2021
47	Rose Mary Mathew	NPTEL course on R programming	01-07-2017 to 30-09-2017
48	Dr. Sunny Kuriakose	Outcome Based Education-A gateway for NBA Accreditation	12/2/2018 to 16/2/2018
49	Sajana Shamsuddin	Pedagogy for Online and Blended Teaching-Learning Process	14-08-2017 to 12-10-2017
50	Nizamudeen Akbar	Pedagogy for Online and Blended Teaching-Learning Process	14-08-2017 to 12-10-2017
51	Seena Varghese	Graph Theory	01-08-2017 to 30-10-2017
52	Antu.P.J.	Graph Theory	01-02-2018 to 30-03-2018
53	Dr.Midhun Paul	Faculty Development Programme in Models and Methods for Supply Chain Decisions,	21-05-2018 to 26-05-2018
54	Dr. Rejeesh C. R.	Outcome Based Education - A gateway for NBA Accreditation	12-02-2018 to 16-02-2018
55	Raju M D	Outcome Based Education - A gateway for NBA	12-02-2018 to 16-

	Accreditation	02-2018
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Feedback from stakeholders

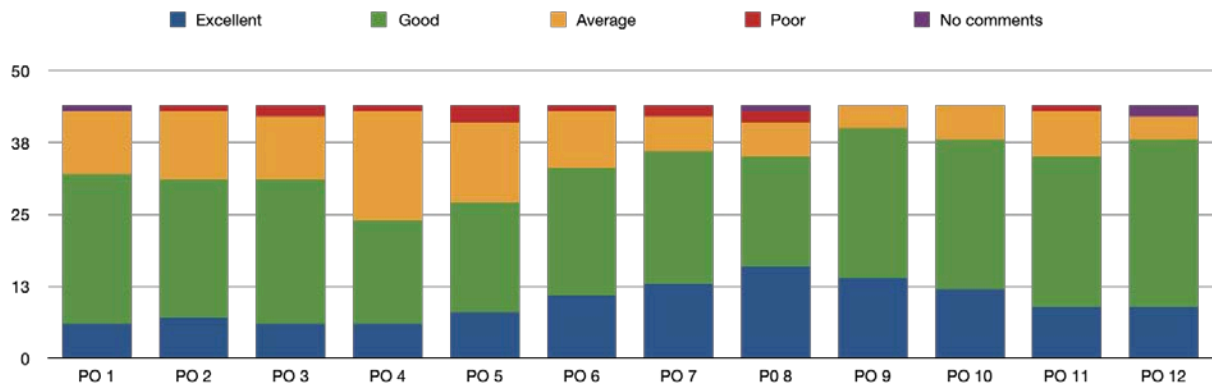
Stakeholder Feedback

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

Students:

The feedback from students was taken on the following matters:

1. PO 1: Ability to apply fundamental subject knowledge to new problems.
2. PO 2: Ability to analyse complex engineering problems.
3. PO 3: Ability to design creative, original and cost effective solutions for engineering problems.
4. PO 4: Ability to innovate solutions for complex engineering problems
5. PO 5: Ability to use computers and software as an analytical tool.
6. PO 6: Ability to provide engineering solutions to societal problems.
7. PO 7: Sensitivity to environment and sustainability in engineering practice.
8. PO 8: Ability to cope with complex moral and ethical issues in professional life.
9. PO 9: Ability to work in a team and as a leader.
10. PO 10: Ability to manage projects in multidisciplinary environments.
11. PO 11 : Ability to write well and effectively communicate orally
12. PO 12: Ability to participate in career advancement programs

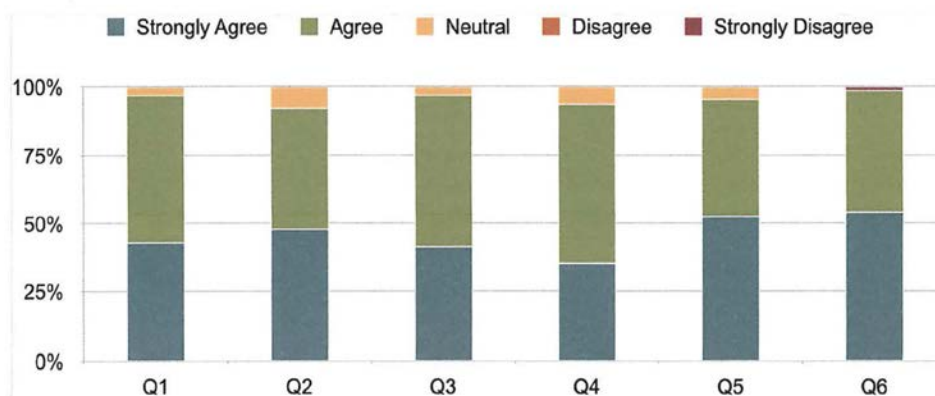


Faculty Feedback

The faculty evaluated the curriculum on:

1. Design and promotion of learning experience
2. Course objectives and outcomes
3. Relevance 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:

- Q 1:** Ability to apply fundamental subject knowledge to new problems.
Q 2: Ability to analyse complex engineering problems.
Q 3: Ability to design creative, original and cost effective solutions for engineering problems.
Q 4: Ability to innovate solutions for complex engineering problems.
Q 5: Ability to use computers and software as an analytical tool.

Q 6:Ability to provide engineering solutions to societal problems.

Q 7:Sensitivity to environment and sustainability in engineering practice.

Q 8:Ability to cope with complex moral and ethical issues in professional life.

Q 9:Ability to work in a team and as a leader.

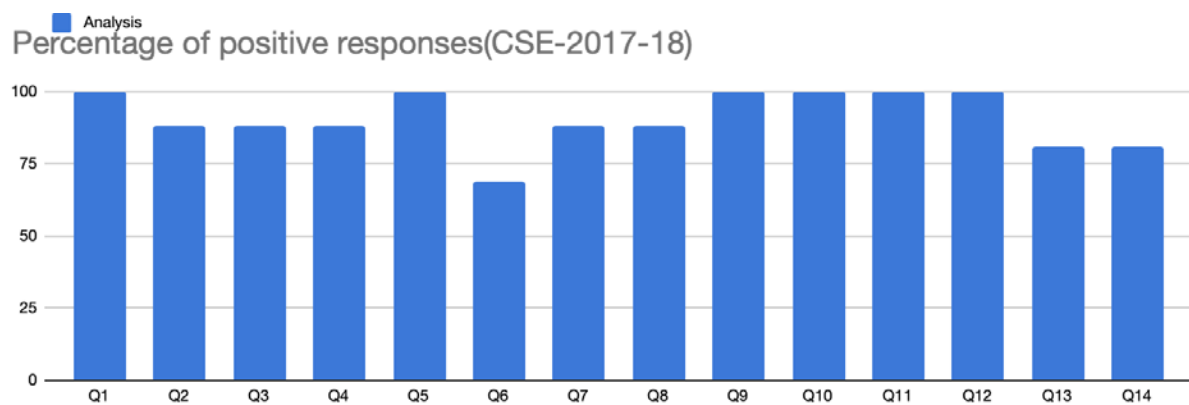
Q 10: Ability to manage projects in multidisciplinary environments.

Q 11:Ability to write well and effectively communicate orally.

Q 12:Ability to participate in career advancement programs.

Q 13:The ability to implement, analyze and develop algorithms based on computational theory in the fields computer science for productive and effective design of computer-based systems.

Q 14:The ability to apply standard engineering practices for the development and management of software and hardware projects, using open source programming environments.



Feedback from employer:

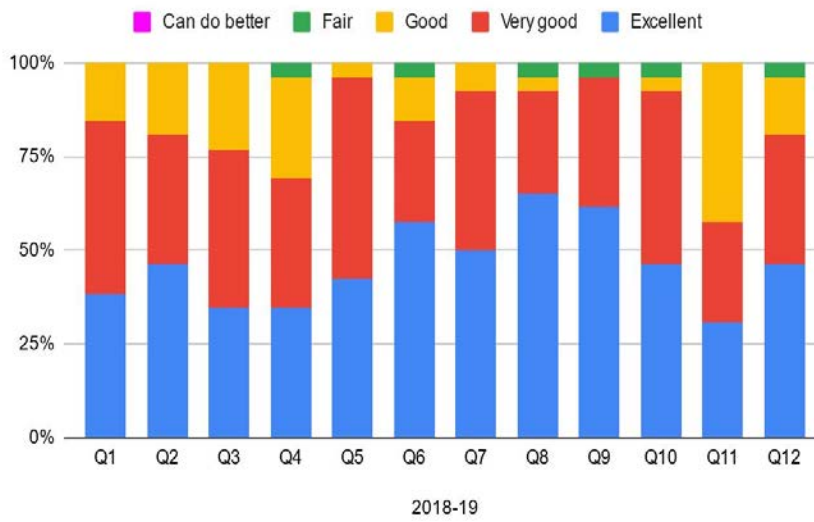
Feedback from employers of our students were evaluated on the following:

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 Enrichment



SECON National Seminar

17.04.18

Second National Conference on Structural Engineering and Construction Management Dr Prof Katta Venkittaramana Head of the Department of Civil Engineering inaugurated the function. Paul Mundadan Chairman, Dr. George Issac Principal, Dr. C Sheela Vice Principal, Dr. Sunny Kuriakose Dean Student Affairs and Dr. G Unnikartha HoD were also seen



ASME GT INDIA NATIONAL SEMINAR

07.04.18

FISAT hosted the ASME National Seminar and Top officials of worlds most branded companies like Rolls Royce, GE Electricals, DRDO etc have participated in the function. GE Electricals CEO Mr Hithesh Kumar Mistry inaugurated the Event. Paul Mundadan Chairman FISAT presided over over the function.

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9	25-08-2017 to	Digital Fbrication Techniques	-

	26-08-2017		
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34	Nimmy M Philip	Pedagogy for Online & Blended teaching learning Process	14-09-2017 to 12-10-2017
35	Nisha R	Pedagogy for Online & Blended teaching learning Process	14-09-2017 to 12-10-2017
36	Sheelu Susan Mathews	NPTEL course on Introduction to IOT	01-07-2017 to 30-10-2017
37	Anu.K.Kuriakose	Course-Effective Engineering Teaching In Practices- Online Certification	01-02-2018 to 30-03-2018
38	Lakshmi Nandaumar	Embedded System Design	01-01-2018 to 30-04-2018
39	Shruthi Bhaskaran	Effective Engg. Teaching in Practice 8 weeks	01-01-2018 to 30-04-2018
40	Sreevidya P	Machine Learning	18-06-2018 to 22-06-2018
41	Dr. Dhanya Alex	Teaching Summer School on Finance and Accounting	23-04-2018 to 28-04-2018
42	Mr. Praveen V	"Foundation Program in ICT for Education"	03-08-2017 to 07-08-2017
44	Ms. Biji U Nair	Multivariate Data Analysis	18-02-2018 to 23-02-2018
45	Ms. Deepa Mary Mathews	Two week AICTE approved FDP on BigData Analytics	20-11-2017 to 02-12-2017
46	Ms. Joice T	Faculty Development Programme on Design Project	15-07-2017 to

			19-07-2021
47	Rose Mary Mathew	NPTEL course on R programming	01-07-2017 to 30-09-2017
48	Dr. Sunny Kuriakose	Outcome Based Education-A gateway for NBA Accreditation	12/2/2018 to 16/2/2018
49	Sajana Shamsuddin	Pedagogy for Online and Blended Teaching-Learning Process	14-08-2017 to 12-10-2017
50	Nizamudeen Akbar	Pedagogy for Online and Blended Teaching-Learning Process	14-08-2017 to 12-10-2017
51	Seena Varghese	Graph Theory	01-08-2017 to 30-10-2017
52	Antu.P.J.	Graph Theory	01-02-2018 to 30-03-2018
53	Dr.Midhun Paul	Faculty Development Programme in Models and Methods for Supply Chain Decisions,	21-05-2018 to 26-05-2018
54	Dr. Rejeesh C. R.	Outcome Based Education - A gateway for NBA Accreditation	12-02-2018 to 16-02-2018
55	Raju M D	Outcome Based Education - A gateway for NBA Accreditation	12-02-2018 to 16-02-2018

Research and Innovation



Publications

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
An Efficient Adaptive Denoising and Dehazing Technique	Dr. Arunkumar M N	COMPUTER SCIENCE AND ENGINEERING	International Journal of Advanced Research in Computer Science	2017
Priority Queuing Technique Promoting Deadline Sensitive Data Transfers in Router based Heterogeneous Networks	Dr. Jyothish K John	COMPUTER SCIENCE AND ENGINEERING	International Journal of Applied Engineering Research	2017

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
A Survey on Role of Graph Theory in Various Approaches	Dr. Paul P Mathai	COMPUTER SCIENCE AND ENGINEERING	Journal of Computer and Mathematical Sciences	2017
Customer Churn Prediction:A Survey	Dr. Paul P Mathai	COMPUTER SCIENCE AND ENGINEERING	International Journal of Advanced Research in Computer Science	2017
Proxy Re-encryption Schemes for Secure Cloud Data and Applications: A Survey	Dr. Paul P Mathai	COMPUTER SCIENCE AND ENGINEERING	International Journal of Computer Applications	2017
An Efficient Approach for Item Set Mining Using Both Utility and Frequency Based Methods	Dr. Paul P Mathai	COMPUTER SCIENCE AND ENGINEERING	International Journal of Applied Engineering Research	2017
Sentiment Analysis of Tweets for inferring popularity of mobile phones	Hema Krishnan	COMPUTER SCIENCE AND ENGINEERING	International Journal of Computer Applications	2017
Function Approximation with Deep Neural Network for Image Classification in Fuzzy Domain	Dr.Arun kumar M N	COMPUTER SCIENCE AND ENGINEERING	Applied Mathematics & Information Sciences	2017
A New Approach for Information Mining of Item sets Using Utility and Frequency Methods	Dr. Paul P Mathai	COMPUTER SCIENCE AND ENGINEERING	International Journal of Engineering Technology Science and Research	2017

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Emotion detection of tweets using Naïve Bayes Classifier	Hema Krishnan	COMPUTER SCIENCE AND ENGINEERING	International Journal of Engineering Technology Science and Research	2017
Noisy Image Edge Detection Using Morphological Operators On Hypergraphs	Dr. Jestin Joy	COMPUTER SCIENCE AND ENGINEERING	Global Journal of Pure and Applied Mathematics	2017
Single Image & Video Dehazing using colour Attenuation prior	Pearlsy P V, Manu Mohan C M	ELECTRONICS AND COMMUNICATION ENGINEERING	International Research Journal of Engineering and Technology	2017
Real Time Trace Based Silicon Debug Infrastructure For SoCs with distributed Trace Buffer	Bini V K	ELECTRONICS AND COMMUNICATION ENGINEERING	International Journal Of Science Technology & Engineering, December 2017	2017
Reaction-separation interaction on the control of ideal two-feed, two-product exothermic reactive distillation columns.	Dr. Anish Mathew K	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Canadian Journal of Chemical Engineering	2017
Estimator based inferential control of an ideal Quaternary endothermic reactive distillation with feed-forward and recurrent neural networks.	Dr. Anish Mathew K	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Chemical Product & Process Modeling	2017
Survey On Brain Tumour Detection And Segmentation Techniques On MRI Images	Sreevidya P	ELECTRONICS AND INSTRUMENTATION ENGINEERING	International Journal of Innovative Science and Research Technology	2017

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
An Optimized approach for SVM based Brain Tumor segmentation of MRI images	Sreevidya P	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Journal of AdvResearch in Dynamical & Control Systems	2017
Effect of chemical treatment on fire retardant properties of Medium Density Fiber Boards	Dr Rejeesh C R	MECHANICAL ENGINEERING	Wood and Fiber Science	2017
Effect of Softening Agents in the Thermal and Morphological Properties of Starch Based Bioplastics	Dr Rejeesh C R	MECHANICAL ENGINEERING	Journal of polymer & composites	2017
Simulation Modeling and Analysis of Dispatching Rules in an Assembly Job Shop Production System with Machine Breakdowns	Dr.Midhun Paul	MECHANICAL ENGINEERING	International Journal of Advanced Operations Management	2017
Centralization of Authority, Market Orientation, and Customer Relationship Management in the Banking Sector: A Study in India	Dr. Jose Varghese	MASTER OF BUSINESS ADMINISTRATION	Management and Economics Review	2017
Organizational factors that influence salespersons' attitude towards customer service in the financial services industry	Dr. Jose Varghese	MASTER OF BUSINESS ADMINISTRATION	Palermo Business Review	2017
A multipath model of salesperson performance in the financial services industry	Dr. Jose Varghese	MASTER OF BUSINESS ADMINISTRATION	South Asian Journal of Business Studies	2017
Extraction and Evaluation of Patients' Standpoints Pertaining to Ayurvedic Health Treatment	Deepa Mary Mathews	MASTER OF COMPUTER APPLICATIONS	International Journal of Research in Engineering and Applied Sciences (IJREAS)	2017

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
A Teamwork Model Testing Using Test Master in Scrum Process	Dr. Rakhi Venugopal	MASTER OF COMPUTER APPLICATIONS	Journal of Advanced Research in Dynamical & Control Systems	2017
Flexible regenerated cellulose/polypyrrole composite films with enhanced dielectric properties	Dr. Sona Narayanan	SCIENCE AND HUMANITIES	Carbohydrate Polymers	2017
Effect of Aluminium Hydroxide on Thermal, Dynamic Mechanical and Dielectric Properties of Hexafluoropropylenevinylidene fluoride Elastomeric Composites	Dr. Ayswarya E P	SCIENCE AND HUMANITIES	Journal of Advances in Nanomaterials	2017
Study on the photoconductive properties of charge carriers in donor-acceptor copolymer P(EDOT-FL) and P(EDOT-FL):PCBM blend	Dr. Sona Narayanan	SCIENCE AND HUMANITIES	Synthetic Metals	2017
Structural Performance of Unstiffened Laminated Composite Pressure Vessels	Asha Joseph	CIVIL ENGINEERING	<i>American Journal of Engineering research</i>	2017
RAINWATER HARVESTING AND WTP IN FISAT	Rinu J Achison	CIVIL ENGINEERING	International Journal of Scientific and Engineering Research(IJSE R)	2017
Problem Solving and Counter Measures for Road Accident Prone Environments	Jawahar Saud S.	CIVIL ENGINEERING	American Journal of Civil Engineering (AJCE)	2017

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Performance analysis of rotating biological contactor with polypropylene and wool media	Jawahar Saud S	CIVIL ENGINEERING	International Journal of Civil Engineering and Technology (IJCIET)	2017
Effect of Excess Chlorides & Microbiological Presence on Water Quality Standards in Periyar River Near Puthenvelikara Panchayath , Volume No.6 Issue No.5, pp: 168-170, ,	Jawahar Saud S	CIVIL ENGINEERING	International Journal of Scientific Engineering and Technology (IJSET)	2017
Bridge Bearings - A Review	Sowmya V Krishnankuttiy	CIVIL ENGINEERING	<i>International Research Journal of Engineering and Technology (IRJET),</i>	2017
Study on Stress - Strain Behaviour of Marine clay treated with Sodium Lignosulphonate and Cement	Sowmya V Krishnankuttiy	CIVIL ENGINEERING	International Journal on Recent & Innovative Trend in Technology,	2017
Prediction of Optimum Moisture Content using Genetic Algorithm	Sowmya V Krishnankuttiy	CIVIL ENGINEERING	Asian Journal of Engineering and Technology,	2017
Study on Marine clay Replaced with Sodium Lignosulphonate and Cement	Sowmya V Krishnankuttiy	CIVIL ENGINEERING	International Journal of Enginerring Research & Technology(IJERT)	2017

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Expansive Soil Stabilization using Coconut Shell Powder and Lime	Sowmya V Krishnankutty	CIVIL ENGINEERING	International Journal of Engineering Research & Technology,(IJERT)	2017
Prediction of Maximum Dry Density of soil using Genetic Algorithm	Sowmya V Krishnankutty	CIVIL ENGINEERING	International Journal of Engineering Research & Technology,	2017
Soil stabilization using terrazyme for road construction	S. Keerthi	CIVIL ENGINEERING	International Journal of Engineering Research & Technology, vol. 6, no. 3, p. 547-549	2017
Model Studies on Laterally Loaded Piles in Sloping Clay Bed	Beena, K.S., Kavitha, P.E.	CIVIL ENGINEERING	Indian Geotech J 48, 114–124 (2018)	2017
Influence of Soil Structure Interaction in the Structural Behaviour of a Berthing Structure in Sloping Ground.	Kavitha, P.E., Beena, K.S.	CIVIL ENGINEERING	J. Inst. Eng. India Ser. A 98, 469–476 (2017).	2017
Comparison of Structural Behaviour of Laterally Loaded Pile using Pi Terms and Numerical Simulation	Kavitha P.E., Beena K. S.	CIVIL ENGINEERING	IOP Conference Series: Materials Science and Engineering, Vol.225,	2017

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Shear Strengthening of Reinforced Concrete Beams Using Flexural FRP Sheets	Kavitha P E	CIVIL ENGINEERING	International Journal of Engineering Research, Vol. 5(3), pp. 36-41	2017
Analysis of Short Columns with and Without Steel Casing	Kavitha P.E.	CIVIL ENGINEERING	International Journal of Research in Advent Technology, Vol.4(8), pp. 76-81	2017
Accounting Information, Dividend Announcement and Ex – dividend effects on Stock Returns – Evidence from Indian Market	Dr. Dhanya Alex	MASTER OF BUSINESS ADMINISTRATION	SSRG International Journal of Economics and Management Studies	2017

Co-curricular and Extra Curricular Activities



INAUGURATION OF FISAT OPEN AGRICULTURAL INITIATIVES

22.02.18

In co ordination with IIT Mumbai FISAT Engineering College launched the new initiative of FISAT OPEN AGRICULTURAL INITIATIVES. Mr Muhammad Hanish IAS, Chairman, Metro Rail Kochi inaugurated the function. Paul Mundadan Chairman, Dr. George Issac, Principal, Dr. C Sheela Vice Principal, Dr. K S M Panikar Academic Director, Prof Bijoy Varghese coordinator E Yentra Project were also participated in the event

Institute of Electrical and Electronics Engineers (IEEE)

- Online Debate - Topic : Digital India, Date : 12th July 2017
- Online Quiz - Date: 20th July 2017
- IEEE Orientation Program For 1st Year B. Tech students
- Industrial Visit - Idukki Dam, Date : 18th Sep. 2017
- Arise 3.0 Date : 21st September 2017
- Tech Talks - On all Wednesdays
- IEEE day celebration, Date : 3rd Oct. 2017
- IEEE Week, Collage making Competition, Date : 5th Oct. 2017
- SHE-2017, Kochi Hub WIE Congress, Date : 20th to 22nd Oct. 2017
- WYBO quiz, Date : r Nov. 2017
- C programming Workshop, Date : Nov. 2017
- Design Workshop, Date : 1e Nov. 2017
- IMPULSE 3.0, 3 Day National level WIE event, Date : 23rd, 24th & 25th Feb. 2018
- Workshop, Virtual Reality in connection with Nautilus 2k18, Date: 1 Feb. 2018



IIT Mumbai Regional Final

A Scene from the Regional finals conducted by IIT Mumbai for the E Yentra Project in FISAT. Dr.George Issac Principal, Dr.C Sheela Vice Principal, Dr. K.S.M Panicker, Academic Director and other dignitaries were also seen.

Awards

FISAT won the 'Best Institute for Excellence in Education 2017' instituted by the State Govt. of Telagana and Indy wood film carnival, Hyderabad.

FISAT Gverning Body Chairman Paul Mundadan won the recognition of 'Best Entrepreneur of Kerala 2017' Award for making FISAT into an epitome of wisdom instituted by the state body of KHRA.

FISAT won the Recognition for 'Best Educational Institution for Significant Contribution to Energy Conservation 2017' instituted by the People's Forum of Sustainable Development from MG University.



BUSINESS DEEPIKA EXCELLENCE AWARD

Paul Mundadan Chairman FISAT has won the Business Deepika Excellence Award and received the award from Union Minister Mr. Ravi Shanker Prasad For Information, law and justice

Science and Technology Park and Research Centre (SPARC)

FabLab : Federal Institute of Science And Technology (FISAT) has started a mini fabrication laboratory (FabLab) with the support of A P J Abdul Kalam Technological University and Kerala start up mission (KSUM) in the college campus. FISAT Fablab will function as an auxiliary body of Science & Technology Park and Research Centre. A Fabrication Laboratory (FabLab) is a technical prototyping platform for innovation and invention which aims at providing stimulus for students and serves as a platform for learning and innovation. It is a small scale workshop offering digital fabrication which empowers the students and other users to create smart devices for themselves which can be tailored to local or personal needs. The FabLab also becomes a medium for connecting to a global community of learners, educators, technologists, researchers and innovators - essentially becoming a self-sustaining global knowledge sharing network.

Federal Labz : FISAT has setup a fully fledged facility called federal labz for incubating start-ups inside the campus. It is a fully air-conditioned space with all modern amenities required for the functioning of a start-up company. The centre plays a catalytic role in promoting indigenous technology development and carrying out research activities at low cost. The potential technology aspirers and entrepreneurs with innovative ideas are nurtured through different phases of growth until their research takes off to a maturity level where it becomes a viable venture. The cutting-edge facilities provided in the Institute, and the expertise offered by faculty who are experienced in their specialized areas, help the aspirants to implement their idea.

Mobile Fablab : FISAT Fablab has realized a concept of a " Mobile Fablab". Mobile Fablab is an extension of FISAT Fablab which aims to support rural innovators and student to convert their ideas into product. A vehicle is transformed into mobile fabrication unit with necessary machine for prototyping a product. The machines used in the mobile Fablab are indigenously developed by the students of FISAT using our Fablab facility. Following Machines are seen in a typical Mobile Fablab. 3D Printer, Multifabricator - (3 in 1 Machine), PCB Milling Machine, 3D Scanner., Electronics Workbench Etc.

Flagship Programmes

Idea to Product Maker Workshop : It's a 3 Day hands on workshop. The workshop gives an opportunity to experience real challenges in different stages of product development such as problem identification, feasibility study, technology development, prototyping, testing, market survey, development of marketing strategy etc.

Digital Fabrication Technique : The digital fabrication technique is a programme initiated by FISAT Science and Technology Park and Research Centre to spread

awareness of digital fabrication and to promote technical and training services given by FISAT FabLab and Mobile Fablab. The programme is indented to student community, rural innovators, manufacturing industries, research scholars etc.

Professional Enhancement programme : The professional enhancement programme aims for enhancing the creative thinking and innovative product making capabilities of participants. Its 5 day residential programme meant for teaching faculty, research scholars and industry people.

Fab@Sch001 : Fab@School is a project intended for school students to enhance their knowledge, skills and practical wisdom in STEM (Science, Technology, and 'Engineering & Mathematics). It aims to enhance a "maker mind" in young generation by providing them the state ofart facilitates of FISAT Fablab and to mould them as a competent citizen for meeting the national imperative.

Additional Skill Development Programme : Additional skill development programme is being offered to public which aims to improve their knowledge in latest technology. Technical staffs, students community, self helping groups are the targeted group for this programme

FISAT Weather Station : students from Fab Lab created a weather station for the general public to know the weather conditions of the state in different locations.

Outcome : The stakeholders of these programmes could able to manufacture and market test several innovative products, Many patents have been applied for the products developed through this programme. The entire system is promoting the 'Make In India' and 'Skill India' initiatives by Government of India,.



Multifabricator

Project Completed in the academic year 2017-18

Sl.No	Project title	Status
1	Design and development of commercial 3D printer	Completed(equipped in Fablab and Mobile Fabiab)
2	10T monitoring and controlling for 3D printers.	Completed(equipped in Fablab)
3	Design and development of PCB milling machine.	Completed(equipped in Fablab and Mobile Fabiab)
4	Design and development of Water Bicycle	Completed first phase
5	Design and development of cooling blanket for therapeutic othermia in neonates	Funded by KSUM, completed the first version
6	Design of coconut grating machine	Completed
7	Design and development of Braille printer	Applied for Patent
8	A novel design for door closing/ holding system	Patented
7	Feasibility study and detailed project report preparation of class in Anamal Munciali	Report submitted
8	Digital FISAT	On-going
9	Multi fabricator	Completed (patent application processing)
10	Innovative design for household equipment's	Applied for Patent
11	AI based smart mirror	Completed(Installed in Fablab)
12	AI Chat-bot.	Completed
13	Green house automation & monitoring using 10T (Proto).	Completed & applied for KSCTE funding
14	FABLAB automation using AI.	Completed
15	Automatic coin counter and supporter.	Completed & applied for KSCTE funding
16	People counting module using image processing.	Completed
17	Smart waste basket.	Completed
18	Smart duster.	Completed
19	Devices for FISAT weather station.	Completed
20	VR console set-up	Completed
21	VR future home walks through.	Completed
22	New 3d printer and laser cutter,	Completed
23	Satellite data collection.	Completed
24	Data logger.	Completed
25	Alcohol breath analyser.	Completed

Programmes & Workshops Conducted

Date	Event	Type of programme	No of	Organizers participants
27-05-2017	Inauguration of FABLAB	Entrepreneurship/ Technology popularization	500	
27/7/2017	ALL Kerala Fablab training for EDC nodal officers	Training/ Workshop	15	FISAT IEDC & KSUM
30/8/2017	Entrepreneurship orientation progamrne Industries and Commerce.	Training/ Workshop	150	FISAT IEDC & Directorate of
14/7/2018 t 15/7/2017	Workshop on "DIGITAL TECHNIQUES"	Training/ Workshop	12	FISAT IEDC & FABRICATION FABLAB
21/7/2018 t 23/7/2017	Professional Enhancement programme	Training/ Workshop	21	FISAT IEDC & FABLAB
25/8/2017 t 26/8/2017	Workshop on 'DIGITAL FABRICATION TECHNIQUES'	Training/ Workshop	12	FISAT IEDC & FABLAB
15/9/2017 t 21/9/2017	Workshop on "DIGITAL FABRICATION TECHNIQUES"	Training/ Workshop	17	FISAT IEDC & FABLAB
6-11-2017	Mobile Fablab inauguration	Entrepreneurship/ Leadership	300	FISAT IEDC & FABLAB
6-12-2017	Symposium on Women Entrepreneurship	Entrepreneurship/ Leadership	200	FISAT IEDC & PBS
25/1/2018 t 29/1/2018	FISAT- ENS maker fair	Training/ Workshop & Entrepreneurship	2500	FISAT IEDC & FABLAB
5/2/2018 to 6/2/2018	Makers Workshop	Competition	18	FISAT IEDC & FABLAB

5/2/2018 to 6/2/2018	3D Printing workshop	Training / Workshop	28	FISAT IEDC & FABLAB
02-06-2017	Make In India Conclave (WI CON 2k18) Panel Discussion	Entrepreneurship/ Leadership	200	FISAT IEDC & FABLAB
30/4/2018	Digital fabrication courses for school students	Training/ Workshop	15	FISAT IEDC & FABLAB
22/5/2018	Career orientation at Angamaly using mobile Fablab	Entrepreneurship/ Leadership	600	FISAT IEDC & FABLAB, CSI Angamaly

30/5/2018	Career orientation at Kaipamangalam using mobile Fablab	Entrepreneurship/ Leadership	750	FISAT IEDC & FABLAB, Dist.Panchayath
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NSS TECHNICAL CELL

- **Asset Recreation at PHC - March 18th** : Various asset (equipments, beds etc) as well as walls of the Primary Health Centre (PHC) at Thuravoor was painted by NSS volunteers. Volunteers recreated an asset of Rs. 4 Lakh.
- **Awareness class on Substance abuse – 5th April** : Deputy Excise Commissioner of Ernakulam gave a talk on substance abuse to students.

SPORTS & GAMES



FISAT INTER COLLEGIATE TWENTY TWENTY CRIKET

Rajagiri College of Engineering has won the Trophy of FISAT Inter Collegiate Twenty Twenty Cricket. Former Indian Team Cricketer Tinu Yohannan given away the trophy to the winners. Dr. George Issac, Principal, Mr. Arun Surendran, Sports Coordinator, Amal also participated in the event

INDIVIDUAL ACHIEVEMENT

SLNO	NAME	ACHIEVEMENT	LEVEL OF TOURNAMENT
01	Nandini Menon	Bronze Medalist & Gold medallist	<ul style="list-style-type: none"> • National Youth Table Tennis Tournament 2018-19 • Dr APJ Abdul Kalam Technological University Table tennis Tournament 2017-18
02	Hajira Althaf	Team member	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University Volleyball team 2017-18
03	Rosemol Wilson	Team member	Dr APJ Abdul Kalam Technological University Volleyball team 2017-18
04	Dilshada Sabnam	Team member	Dr APJ Abdul Kalam Technological University Volleyball team 2017-18
05	Swathi S	Team member	Dr APJ Abdul Kalam Technological University Volleyball team 2017-18
06	Anan Ashraf	Team member	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University Volleyball team 2017-18
07	Ajay Diji	Team member	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University Basketball team 2018-19

FISAT TEAM ACHIEVEMENT

SLNO	NAME	ACHIEVEMENT	LEVEL OF TOURNAMENT
01	FISAT Cricket Team	Third position	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University Zone D
02	FISAT Football Team	winners	<ul style="list-style-type: none"> • All Kerala inter collegiate Football tournament Rajagiri Trophy 2017-18
03	FISAT Volleyball	Runner Up	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University D Zone for Women 2017-18 & 2018-19
04	FISAT Basketball Men	Winners	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University D Zone for Men 2018-19

05	FISAT Table Tennis Men	Winners	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University D Zone for Men 2018-19
06	FISAT Basketball Men	Second Runner Up	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University Inter Zone for Men 201819 at Mohandas college of Engg, Thinnvananthapuram
07	FISAT Football Team	Runner Up	<ul style="list-style-type: none"> • Dr APJ Abdul Kalam Technological University D Zone for Men 2018-19
08	FISAT Football Team	Winners	<ul style="list-style-type: none"> • Penalty Shootout Competition Organised by Kerala Excise Department for college students at MA College, Kothamangalam

Tournaments Hosted by FISAT- Department of Physical Education

SLNO	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

Faculty Development programs attended

SI.No	Name	Programme
01	Arun S	"Multivariate Data Analysis " organised by KSTE at GEC %rissur

02	Amal Dev T S	Attended FIFA - D license camp organised by Reliance Youth Football Foundation
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Arts



Inauguration ARANGU: A Cultural FEST

'Arangu 18' is mega cultural fest organized every year. This year **Arangu'18** splurged its colors over **FISAT** on 29th and 30th of January 2018. Veteran film maker and alumni of FISAT Mr Dijo Jose Antony inaugurated the function. Paul Mundadan Chairman presided over the function. Principal Dr. George Issac, Vice Principal Dr. C Sheela, Academic Director Dr. K S M Panicker, Dean of Student Affairs Dr. Sunny Kuriakose A, Program Convenors Prof. P J Antu and Dr. Archana R, Arts Club Secretary Sharath. K. K. were also seen

Service Learning

NSS TECHNICAL CELL

- **Asset Recreation at PHC - March 18th** : Various asset (equipments, beds etc) as well as walls of the Primary Health Centre (PHC) at Thuravoor was painted by NSS volunteers. Volunteers recreated an asset of Rs. 4 Lakh.
- **Awareness class on Substance abuse – 5th April** : Deputy Excise Commissioner of Ernakulam gave a talk on substance abuse to students.



NSS INITIATIVE FOR CARING THE PALLIATIVE

Paul Mundadan Chairman FISAT inaugurated the NSS event organized for caring palliative people in Thuravoor Public Health Centre.



NSS PHC PAINTING

FISAT NSS Team participating in the Cleaning week celebrations as part of their Ten days Social development programme at Thuravoor PHC.

Federal Institute of Science and Technology (FISAT)

Internal Quality Assessment Cell (IQAC)

Action Taken Report (2017-2018)

Date of Meeting	Decisions	Action Taken
12.07.2017	<ul style="list-style-type: none"> • Conduct an orientation programme for all the teachers • Prepare department activities to incorporate in the handbook and calendar • Conduct of auxiliary programs • Conduct of bridge courses • Revitalize the college research committee • Modify all feedback forms • Nominate the Ex-officio members in the IQAC for the current year • Initiate the preliminary works towards NBA accreditation Process • Verify the consistency and correctness of the Vision, Mission, PEO & PSO of the EEE & CE Depts and to forward to IGC for final approval. 	<ul style="list-style-type: none"> • Conducted Orientation programs for all teachers • Departments activities were planned and submitted for the preparation of handbook and college calendar • Add on programs were conducted by various departments • Bridge courses were conducted newly admitted students • The college Research committee (CRC) was revitalised and document on the function of CRC was circulated • Modified the feedback forms • Nominated the Ex-officio members in the IQAC for the current year • The preliminary works towards NBA accreditation Process were initiated • The Vision, Mission, PEO & PSO of the EEE & CE Depts were modified
25.10.2017	<ul style="list-style-type: none"> • Collect the data for AQAR AY 2016-2017 • Authorize the coordinator to send a proposal for the conduct of a national seminar to NAAC for financial assistance 	<ul style="list-style-type: none"> • Started the data collection for the submission of AQAR • Decided the theme of the national seminar on teaching learning and evaluation
19.12.2017	<ul style="list-style-type: none"> • Submit the AQAR for 2016- 	<ul style="list-style-type: none"> • Submitted the AQAR for 2016-2017

	<p>2017</p> <ul style="list-style-type: none"> • Explore the availability of various projects and financial assistance from external agencies. • Prepare action plan of events and programs for the coming semester • Conduct an internal audit at the end of the coming semester • Conduct SWOC analysis by all departments in the coming semester • One day seminar on NBA preparations • Modify student's feedback • Orientation programme on the importance of physical exercise in maintaining health • Formulate faculty grievance redressal cell • Resume the value education programme 	<ul style="list-style-type: none"> • Authorise Dr KSM Panicker and Dr Sunny Kuraiyose to explore the possibilities of the financial assistance from external agencies • Action plan is submitted to Director, Academics • Conducted the internal audit • Conducted SWOC analysis • One day seminar on NBA preparations was conducted • Modified the student feedback form by providing space for writing their comments. • Faculty grievance redressal cell is constituted • Value education programmes were conducted
07.02.2018	<ul style="list-style-type: none"> • Preparation for NBA accreditation • Create a pool of project proposals • Ensure discipline in hostels and campus • Consolidate all the requirements identified during the discussion at various criteria committee meetings about the peer team report. 	<ul style="list-style-type: none"> • Preparations for the NBA accreditation has been done • A proposal for creating project bank was presented so that suitable proposal could be send to the funding agencies as and when asked for • Policies were framed to ensure discipline in hostels and on the campus • The various requirements as pronounced in the whole peer team report were consolidated and presented in the IQAC general committee meeting
09.05.2018	<ul style="list-style-type: none"> • Gather suggestions for quality enhancement and quality sustenance • Finalize the action plan for the 	<ul style="list-style-type: none"> • Google form circulated to post the suggestions with respect to quality enhancement and quality sustenance. • A comprehensive document is prepared and submitted to the management. • Finalized the action plan for the coming year in tune with KTU calendar and college calendar and handbook is prepared

	<p>coming year</p> <ul style="list-style-type: none"> • Improve the discipline on the campus 	<ul style="list-style-type: none"> • Discipline committees meetings were held and effectiveness existing discipline policies were discussed
13.06.2018	<ul style="list-style-type: none"> • Collecting a comprehensive feedback on the functioning of the college • Apply for 2f • Quality improvement and sustenance activities • Streamline the activities of various cells/ clubs • Coordinate the research activities of the college 	<ul style="list-style-type: none"> • Authorized Ms.Parvathy R to identify major areas for feedback and prepare suitable questionnaire with regards to various organizations and functionaries in the college. • Authorized Mr. J C Prasad to prepare the UGC 2f application • Decided to collect student feedback on value education classes, physical fitness classes and career counselling sessions • Conducted the meetings of convenors of various cells/ clubs • Authorized the college research cell to coordinate the research activities • Explored the possibilities of applying for research centers of the KTU.

