



FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)[®]
DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

METRON

Annual Newsletter

Volume 3, May 2018

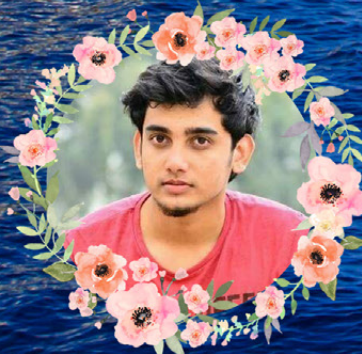


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Adv. P. V. Mathew
Founder Chairman,
FISAT



Abhiraj P. M.
2012 - 2016 batch
Department of EIE



Shinoy George
Assistant Professor,
Department of Science
& Humanities, FISAT



Scan me

ABOUT THE DEPARTMENT



Instrumentation is a pioneer field of engineering in the modern era. In this fast growing age of automation and process industries, instrumentation engineer is an inevitable choice of every industry. Unfortunately in India, we are lacking in number of instrumentation engineers. So it is very essential and relevant in implementing a department which moulds young talents in the field of Instrumentation. With that view we have started the Department of Electronics and Instrumentation Engineering in the year of 2002.

OUR VISION



To emerge as a leader in electronics and instrumentation engineering by imparting futuristic and comprehensive education upholding high sense of ethical integrity and social commitment.

OUR MISSION



- To promote academic excellence offering quality technical education in the field of electronics and instrumentation engineering.
- To encourage the students to be innovative, competent, efficient and value oriented.
- To provide better exposure to the students on the contemporary developments in the field.
- To empower the students to participate in technical advancements and to contribute towards making a better society.

PROGRAM EDUCATIONAL OBJECTIVES



The graduates of Electronics and Instrumentation program should be able to:

- Excel professional career and pursue higher education using their fundamental knowledge in mathematical and engineering principles.
- Analyze, design, develop and maintain instrumentation systems of an industry and also offers solution that are technically feasible, economically viable and socially relevant.
- Excel in academic and research activities by facilitating the students to explore the state of art techniques to meet the industrial needs.
- Inculcate the professional and ethical code of conduct, communication skills, team work and lifelong learning so as to use technology for the progress of the society.



MESSAGES

“I am happy that Instrumentation Department of our College is bringing out a Newsletter and I take this opportunity to congratulate the students and faculty who have endeavoured to make it a reality.

We are moving rapidly towards the knowledge-based society and the technologically based economy. India will soon become a smart nation and everything is getting digital and smart. The nature of the challenge, its scale and complexity before us, requires that people have interactional expertise to improve their efficiency working in and across multiple disciplines as well as within the new interdisciplinary area which are needed very much to succeed in mapping the benefits of knowledge economy. Promoting research and development, nurturing entrepreneurship and succeeding in making world class products all will form major activities in this regard.

FISAT pays a great deal of attention to academic excellence and cultural ethos . Because FISAT wants each student to transform himself to globally competent, socially committed and highly resourceful talent with progressive vision to face any challenges. Every day and every action at FISAT is an opportunity to learn and all our activities reflect and support the interests and strengthen their quest for reaching to the farther most pinnacles of achievement unlocking their vast potential.

I take this opportunity to congratulate all those faculty and the students who have taken utmost efforts for bringing out this newsletter.”



Mr. Paul Mundadan
Chairman

“My best wishes to the EIE team.”

Pragmatism should not be confused with indolence. Keeping it in mind the above proverb, the students and teachers of Electronics and Instrumentation are working tirelessly for the betterment of the department. As you are the Instrumentation buddies, you are having the responsibility to make the world more accessible and the lifestyle more convenient and you know very well that the heart of the present day industry relies on you.

I appreciate the efforts taken by the editorial team for releasing this newsletter to exhibit the efforts of the instrumentation department for the last one year.

Wishing you all the very best for your future endeavors.....



Dr. George Issac
Principal

“It is my great pleasure to congratulate the department of EIE on the release of its annual newsletter for the period of 2017-2018. On this occasion I wish all the best to the faculty and students responsible for this. The department is very versatile, you can find the students of EIE participating in various co-curricular and extra-curricular activities and winning prizes. I wish all the Electronics and Instrumentation engineers to have a bright future ahead and success in all their endeavors.”



Dr. C. Sheela
Vice-Principal



Dr. K. S. M. Panicker
Director of Academics

The success of every educational institute depends on the total commitment of the faculty and the students. I appreciate the combined efforts taken by the faculty and students in releasing the newsletter. The department of Electronics and Instrumentation is very innovative in conducting workshops and various technical and non technical events. The newsletter will be a platform to showcase the achievements of the faculty and students. My best wishes to the EIE department for its all new ventures.



Mr. S. Sundararajan
Head of the Department

Penning down the philosophy of our department, this newsletter will enlighten the minds of our students and staff. People relying on yesterday's idea have no chance of survival in today's competitive environment where change is at the speed of thought.

"Success is not a matter of desire, but the product of hardwork."

As said in the above quote, you will change your life and be automatically directed, and driven towards repeating that success in other things that you attempt. I wish the students of EIE to scale greater heights and succeed in their life with untiring determination and make their parents and institution proud. I am wishing you all the very best for all the new ventures of life has in store for you.



FROM THE EDITORS DESK

We are extremely happy to release the third issue of METRON. METRON explores the activities of the department of Electronics and Instrumentation, its future endeavors and our partners in this journey. All the achievements and activities of our students and their creative efforts are being highlighted in this newsletter. There is no limit to what our enthusiastic students can do, they always set their goals to improve their performance. The immense contributions of the faculty has accelerated the growth of the department and this newsletter is a combined effort of both the faculty and the students.



Ms. Honey Devassy
*Assistant Professor,
Department of EIE*



Ms. Raji P.
*Assistant Professor,
Department of EIE*



George Thomas
S8, EIE



Harigovind K. A.
S4, EIE



FDP / WORKSHOPS / STTP ATTENDED BY FACULTY

Mr. S. Sundararajan, Head of the Department

Oneday Faculty Development Programme on 'Greatness of Teachers' organized by FISAT, July 2017.

Mrs. Beenu Riju, Assistant Professor, Special Grade

1. A seminar on 'Engineering Education & Research' conducted by National Instruments, November 2017.
2. Two day faculty development programme on 'Power Electronics & Embedded Coding' jointly organized by the Departments of EIE & ECE, FISAT, September 2017.
3. One day faculty development programme on 'Greatness of Teachers' organized by FISAT July 2017.
4. A seminar on 'NPTEL online course awareness programme' conducted by IIT Chennai & IISc, Bangalore at FISAT, July 2017.

Mrs. Sreevidya P., Assistant Professor, Special Grade

1. A seminar on 'Engineering Education & Research' conducted by National Instruments, November 2017.
2. A workshop on 'SCILAB' conducted by IIT Bombay, October 2017.
3. Two day faculty development programme on 'Power Electronics & Embedded Coding' organized jointly by the Departments of EIE & ECE, FISAT, September 2017.
4. Oneday faculty development programme on 'Greatness of Teachers' organized by FISAT, July 2017.
5. Two day workshop on 'Digital Fabrication Techniques' conducted by FABLAB, FISAT, July 2017.

Mr. Shinto Sebastian, Assistant Professor, Special Grade

Oneday faculty development programme on 'Greatness of Teachers' organized by FISAT, July 2017.

Mr. Anil Johny, Assistant Professor, Special Grade

1. Three day National Seminar on 'Advances in Scientific and Industrial Instrumentation' organized by the Department of Instrumentation, CUSAT.
2. Three day faculty development programme on 'IoT using Single Board Computer' organized by Department of AE&I, Saint Gits College of Engineering, Kottayam, July 2017.

Mrs. Anila Mathew, Assistant Professor

1. One day faculty development programme on 'Greatness of Teachers' organized by FISAT, July 2017.
2. Two day workshop on 'Digital Fabrication Techniques' conducted by FABLAB, FISAT, July 2017.
3. Faculty development programme on 'Mentoring & Counseling Skills for the Psychological Change' conducted by ICT Academy, Aluva, June 2017
4. Two week ISTE STTP on CMOS, Mixed Signal and RF VLSI Design organized by IIT Kharagpur, February 2017

Mrs. Honey Devassy, Assistant Professor

1. NPTEL online certification course on 'Control Engineering' conducted by IIT Madras and funded by Ministry of HRD, Government of India, October 2017.
2. One day faculty development programme on 'Greatness of Teachers' organized by FISAT July 2017.
3. Two day workshop on 'Digital Fabrication Techniques' conducted by FABLAB, FISAT, July 2017.
4. Two week ISTE STTP on CMOS, Mixed Signal and RF VLSI Design organized by IIT Kharagpur, February 2017

Mrs. Shruthi Bhaskaran, Assistant Professor

1. One day faculty development programme on 'Greatness of Teachers' organized by FISAT, July 2017.
2. A seminar on 'NPTEL online course awareness programme' conducted by IIIT Chennai & IISc, Bangalore at FISAT, July 2017.
3. Two day workshop on 'Digital Fabrication Techniques' conducted by FABLAB, FISAT, July 2017.
4. Two week ISTE STTP on CMOS, Mixed Signal and RF VLSI Design organized by IIT Kharagpur, February 2017.

Mrs. Ambily John, Assistant Professor

1. Two day FDP on 'Power Electronics & Embedded Coding' organized Jointly by the Departments of EIE & ECE, FISAT, September 2017.
2. One day faculty development programme on 'Greatness of Teachers' organized by FISAT, July 2017.
3. Two day workshop on 'Digital Fabrication Techniques' conducted by FABLAB, FISAT, July 2017.

Ms. Lakshmi Nandakumar, Assistant Professor

1. Workshop on 'SCILAB' conducted by IIT Bombay, October 2017.
2. Two day faculty development programme on 'Power Electronics & Embedded Coding' organized jointly by the Departments of EIE & ECE, FISAT, September 2017.
3. A one day faculty development programme on 'Greatness of Teachers' organized by FISAT.
4. Two week ISTE STTP on CMOS, Mixed Signal and RF VLSI Design organized by IIT Kharagpur, February 2017.

Mrs. Raji P., Assistant Professor

Two day workshop on 'Digital Fabrication Techniques' conducted by FABLAB, FISAT, July 2017.

Mrs. Sheffy Thomas, Assistant Professor

1. Two day workshop on 'Digital Fabrication Techniques' conducted by FABLAB, FISAT, July 2017.
2. Faculty development programme on 'Mentoring & Counseling Skills for the Psychological Change' conducted by ICT Academy, Aluva, June 2017.

Mrs. Renu G., Assistant Professor

1. Faculty Development Programme on 'Design & Engineering' organized by KTU in association with RSET, Kakkanad.
2. Two day faculty development programme on 'Power Electronics & Embedded Coding' organized jointly by the Departments of EIE & ECE, FISAT, September 2017.
3. Three day faculty development programme on 'IoT using Single Board Computer' organized by Department of AE & I, Saint Gits College of Engineering, Kottayam, July 2017.
4. Faculty development programme on 'Mentoring & Counseling Skills for the Psychological Change' conducted by ICT Academy, Aluva, June 2017.



FACULTY AS RESOURCE PERSON

Mr. S. Sundararajan

Workshop on 'Simulation of Power Electronics using MATLAB' for the students of Govt. Polytechnic College, Cherthala.

Mrs. Sreevidya P. & Mr. Shinto Sebastian

Workshop on 'PLC and LabVIEW' for the final year students of EEE, FISAT.

Mr. Anish Mathew K.

1. Workshops on 'LabVIEW programming' for the students of Government Polytechnic College, Cherthala.
2. Workshop on 'Advanced Virtual Instrumentation' for the students of Government Polytechnic College, Cherthala.



LIST OF FACULTY PURSUING PH.D

Sl. No.	Name of the faculty	University	Research Area
1.	Mr. S. Sundararajan	CUSAT	Linearization of sensors
2.	Mr. Anil Johny	CUSAT	Image Processing
3.	Mr. Anish Mathew K.	NIT, Calicut	Process Control



PUBLICATIONS

Sl. No	Title of the Paper	Conference/ Journal	Month& year
1.	Speed control of brushless dc motor using neural network. Mr. S. Sundararajan	National symposium on Antennas, Signal processing and interdisciplinary research in Electronics(ASPIRE)- Muslim Association college of Engineering.	April 2017
2.	Survey on Brain tumor detection and segmentation techniques on MRI images. Mrs. Sreevidya P.	International Journal of Innovative Science and Research Technology ISSN No:-2456-2165	June 2017
3.	An Optimized approach for SVM based Brain tumor segmentation of MRI images. Mrs. Sreevidya P.	Journal of Advanced research in Dynamical and Control System ISSN 1943-023X Vol.9, N0.8, 2017	September 2017
4.	DTCWT with Fuzzy based thresholding for despeckling of ultrasound images. Mrs. Sreevidya P.	IEEE sponsored International Conference on Intelligent Computing, Instrumentation and Control Technologies at Vimal Jyothi College of Engineering	July 2017
5.	A Noval Approach in air conditioning using electro caloric effect. Mrs. Beenu Riju	National symposium on Antennas, Signal processing and interdisciplinary research in Electronics(ASPIRE)- Muslim Association college of Engineering.	April 2017
6.	Reaction separation interaction on the control of ideal two-feed, two-product exothermic reactive distillation columns. Mr. Anish Mathew	Canadian Journal of Chemical Engineering. 95(2),331-342	April 2017



NPTEL (National Programme on Technology Enhanced Learning) is a joint initiative of IITs and IISc and offers online courses and certification in various topics. NPTEL has accorded FISAT in the status of a local chapter thereby enabling FISAT with the facility to offer e-learning through online web and video courses in engineering, science and humanities stream.

FISAT is awarded with a rating of 'A' based on performance in online certification courses for the year 2017. Both the staff and students of Department of EIE played a valuable role in this by successfully completing and mentoring various NPTEL courses.



Ms. Honey Devassy, Asst. Prof., Dept. of EIE
Among top 2%



Haritha Ravindran, S6, EIE
Among top 5%



Control Engineering



Internet of Things



Mr. Sreejith K. R., Assistant Professor, Department of EIE is currently pursuing PhD in the Griffith University, Australia. The key themes of his research are Analytical Modeling, Simulation and Implementation of Liquid Marble Bio Reactors, Mechanical Characterisation of Liquid Marbles. He was also the Technical Officer of FISAT FabLab and Incubation Center and played a key role in setting up the FabLab.



Mr. Sreejith K. R.
Asst. Prof., Dept. of EIE



Mr. Shinto Sebastian, Assistant Professor (Senior Grade), Department of EIE has joined government service after serving FISAT for a long period of 10 years fruitfully. He was also the Faculty In-Charge of Placement and Training Cell.



Mr. Shinto Sebastian
Asst. Prof. (Senior Grade), Dept. of EIE



Instrumentation Dextrous Etudiants Association (IDEA) is the association of the Electronics and Instrumentation Department with its inception in the year 2009. Over the years IDEA has grown in structure and number with a wide range of programmes being organized for the overall development of the students and the department.



Ms. Ambily John
Office-bearer



Ms. Lakshmi Nandakumar
Office-bearer

The association is instrumental in conducting workshops, seminars, quizzes, and expert talks for our students on regular basis.



LEPTON

Lepton talk series gives a platform to learn from the professionally experienced persons and helps to develop skilled professionals for the future. Eminent personalities from industry and academia are invited to deliver lectures and they share their experience in the real world.



Mr. Kamalasanan P. K., *SDE BSNL Mobile Services* gave an informative session on the evolution of Mobile Communications from 2G to 5G. He worked in the field of installation of core equipments for a period of 15 Years and have installed a number of core switching systems like ERICSSON, OCB, CDOT, 5ESS in different parts of Kerala. He played a key role for the implementation of mobile number portability (MNP) in Kerala. The seminar helped the students to understand the importance of IMEI & IMSEI number to track people and solve crimes.



N.S.D.C | National Skill Development Corporation

NSDC learning programme is a not-for-profit company setup by the ministry of finance. One of the main objectives of NSDC is to upgrade skills to international standards through significant industry involvement. NSDC provided a session on the “career opportunities and development” for the students of the EIE.





WORKSHOPS UNDER IDEA



Tinkercad workshop was a hands on training workshop conducted for the students of S1 EIE. The classes were handled by Sarath K.K and Ijas Muhammed of S8 EIE with the support and guidance from faculty of EIE. The software was introduced to the students through simulation of simple circuits.



A **MATLAB** workshop was conducted for the students of S2 EIE as a part of NAUTILUS 2K18, under the leadership of Ms. Lakshmi Nandakumar (Assistant Professor, Department of EIE) along with Mariya Susan John, Vijay Rajiv and Krishnanugrah of S8 EIE. The workshop introduced students about the software MATLAB and its basic operations. The students came to learn about the various applications of the same and how it can be used for their academic projects.



A one day workshop was conducted for the students of S3 EIE under the leadership of Mrs. Sreevidya P. (Assistant Professor, Special Grade, Department of EIE) along with Ijas Muhammed, Mariya Susan John, Joseph P Joseph and Farzana Saleem of S8 EIE. This workshop introduced students about the document preparation software **LATEX** and developer board **ARDUINO**. The students came to know about the various advantages of using LATEX over other softwares.

ARDUINO Workshop enlightened the students about its various advantages and how it can be used for their projects.



ALUMNI SPEAKS



Mohammed Zishan Hassan

Project Manager

Talents Technologies Company,

Saudi Arabia

2009 - 2013 batch

“FISAT is a place where you find an ocean of opportunities to display your talents. The department of Electronics and Instrumentation has helped me a lot to learn new technologies, which really helped me to find a job in the core Instrumentation field itself. The faculty of the department were our true guides and well wishers who constantly give us all the necessary supports, to handle our projects on our own or to manage our skills in any other field. All my best wishes to the department of EIE for its new ventures.”



Sreejith S. Nair

2012 - 2016 batch

“I’m currently pursuing my Master's in Scientific instrumentation at EAH-Jena Germany, having graduated in Electronics and Instrumentation from FISAT. As a FISAT-ian, I have lots of glowing memories which I would never forget and will always cherish. The infrastructure and dedicated faculties makes FISAT an exciting destination for future engineers. I am proud to say that 'I am part of the EIE family'. My life in FISAT helped me mould my personality in a positive and professional way. The EIE family influenced me in ways that has crafted me to be the individual I am today. I am grateful to my college and department for the strong support and platform they gave me.”

TECHATHON

— explore. innovate. envisage —

Techathon 2017 organized by the Department of EIE was centered around the theme of “**Automation in Agricultural Industry**”. It opened a wide array of events for both college and school level students. It was organized in two phases.

Phase-1

The prelims of Instra International Quiz (I²Q) competition was conducted across various schools in India and abroad. Around 100 students were short-listed from 26 schools, who represented the respective schools in the finals held at FISAT.

Phase-2

The phase-2 of Techathon was conducted at the campus on 24-25 April 2017.

The highlights of the events were:

- **Grand finale of I² Q**
- **Project expo and competition at various levels**
- **Paper presentation**
- **Workshops**
- **Technogames**

Prelims of I²Q competitions



Grand Finale of I²Q



PROJECT EXHIBITION



PROJECT WINNERS



“AUTOMATIC EGG CANDLING MACHINE”

Vinil Vincent,
Mariya Susan John,
Sudheer T. M. &
Renex Reji
S8, EIE



“HYDROPONICS CONTROLLED VERTICAL FARMING”

Alan K. Baby,
Basil Thariath
Ijas Muhammed &
Anjaly Rajeev
S8, EIE



“SMART GARDEN”

Amal Joy,
Aiswarya Lakshmi Pradeep,
Joel Tony Pulliyil &
Arjun K. P.
S8, EIE

Science Toys

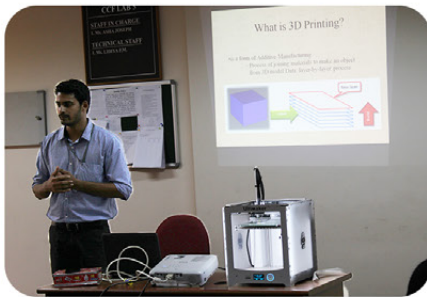


BSNL Exhibition



3D printing workshop

3D printing workshop was given for the finalists of I²Q. It was delivered by Mr. Tom Anto, IEDC (Innovation & Entrepreneurship Development Cell) FISAT.



Robotics workshop

A hands on training on robotics was given to the finalists by students of CSE department under the guidance of Mr. Mahesh C., Assistant professor, Dept. of CSE.



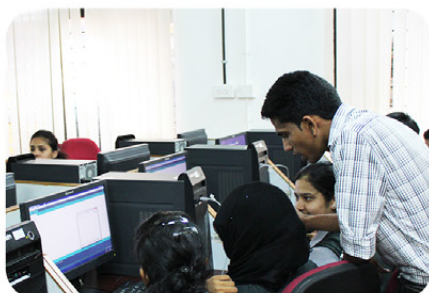
IoT workshop

A workshop on IOT was conducted by Frugal labs for the engineering students.



Embedded system design workshop

A workshop on embedded system was conducted by Shrishti robotics to get a hands on experience in implementation of embedded systems.





VALIDATION CEREMONY



Athira Jagadeesh
Best performance in academics



Rahul Ravi
Outstanding contribution to department and college



ALUMNI SPEAKS



Anusha Mathew
2012 - 2016 batch

"I completed Btech in Electronics and Instrumentation Engineering from FISAT, in the year 2016. FISAT is the best place from where you will get lot of opportunities to develop yourself. The department ensured that all the projects and mini projects were done in the college itself. This boosted the self confidence of the students to tackle real world problems on their own. Currently, I'm doing Masters in Digital Engineering at Otto-von Guericke University, Magdeburg, Germany. Also, I am working for team RobOTTO (first runner up of Robocup Worldcup 2017)."



Nowfal M. A.
2012 - 2016 batch

"The exposure in FISAT gave me a lot of courage and inspiration to pursue my Masters in Scientific Instrumentation at EAH-Jena in Germany. The EIE department is really wonderful. The professors and staff gear the entire department to help the students to do their best."



ALUMNI SPEAKS



Abin Rajan
*Scheduling &
Co-ordination Engineer*
Al-Ahleia Switchgear Co.
Kuwait
2011 - 2015 batch

“At the very offset, I would like to acknowledge the hardwork and dedication of the FISAT Team including management, faculty and staff in making FISAT one of the most sought after colleges for Technical & Management Studies. I feel proud to be a part of the success story.

At present, I am working in Kuwait as the Scheduling & Co-ordination Engineer for a KD 60 million Project with the ultimate client being KNPC (Kuwait National Petroleum Corporation).

As it turns out, it was my leadership skills and initiative that bagged me the post in the firm. Needless to say, my Instrumentation degree was a feather in the cap for my job in Oil & Gas Field.

My 4 years at FISAT is what moulded me to what I am today. FISAT gave me that platform to evolve and emerge. My dormant initiative instincts were triggered to action by the faculty, who saw the best of whatever little I had and motivated and entrusted me with responsibilities to grow further. Not only in the academic field but also in extra curricular activities like singing, I got equal support and motivation from my faculty and friends. Being elected the Chairman for the EIE Department Students' Association (IDEA) and the Best Outgoing Student were all an added advantage on my resume. The amount of exposure I got during my stint at FISAT is what gave me the confidence to interact with clients and manage day to day activities in close co-ordination with the Management and Site team at work.

The calendar at FISAT was always buzzing with Technical events, seminars, workshops, College Fests, Arts Fest, Social Awareness and Charity programs. The Management was also equally supportive to the faculty and students to organize all these activities irrespective of the huge budgetary requirements.

Intellectual growth is not the only requirement to succeed in life. We were always encouraged to grow as individuals with strong moral principles by our faculty/management. The project work, seminars etc exposed us to new and dynamic problems, that we had to find solutions for. Our mentors were always there to support and guide us through it. The facilities including classrooms, labs, workshops and even hostel are the best that any student can wish for.

I believe, the four years in college is the pathway to professional excellence in life. FISAT not only paved the path for me, but eventually prepared me for the life after.”



Shyam Kumar P. G.
Executive,
Customer Support Division,
Forbes Marshall
2009 - 2013 batch

“I completed BTech in Electronics and Instrumentation in the year 2013. Currently I am working with Forbes Marshall as an executive in customer support division. Forbes Marshall is a leader in process efficiency and energy conservation for Process Industry. FISAT is a place where you get lot of encouragements to showcase your talents and build up confidence to meet the corporate world. FISAT is the best place to start your professional life. The department has got all the sophisticated labs and facilities which are needed to meet the demands of the industry. Truly the department of Electronics and Instrumentation is the best in the state if you are looking for a strong career ahead.”



ALUMNI INTERACTION

The programme aims to give the students a platform, where they can interact with the alumni and to know how the life in the department of EIE and FISAT have helped them to succeed in their life. Also the alumni shares their work experience in the instrumentation field which provides a motivation to the students.

Mr. Edwin Devassykutty is an alumnus of FISAT, EIE and also worked as a research associate in FISAT for 1.5 years. He is now working as a research associate in Fraunhofer University, Germany. In his interaction with the students he detailed the importance of doing mini/micro projects from first year onwards. He also explained about the procedures of obtaining admission in foreign universities. In addition he detailed on his projects and ongoing research activities.



Mr. Hariprasad K. S. is an alumnus of FISAT, EIE. He graduated in the year 2012. He started his career with Graphene Technologies, Kochi. He described the life of a fresher in instrumentation industry. From there he acquired more working knowledge in the field of engineering. He next went on to the promising career of merchant navy. He shared that, his disciplined life as a student and his technical knowledge acquired from FISAT helped him to grow in his career. He explained to us, the importance of technical knowledge which has helped him to secure a good job and he is still in pursuit of scaling more heights in his career.



Mr. Thoufeeque Sahir is an alumnus of FISAT, EIE. He graduated in the year 2009. He started his career with TCS. He is now working with Wolfram as a project manager. He explained the work culture in a service based company like TCS as well as a product based company like Wolfram. Students got an idea about the opportunities available in software industries for an instrumentation engineer. He also explained about doing projects in college and how these projects will help in their career.



As a part of **NAUTILUS 2k18** the department of EIE conducted the following events:



Paper Presentation Contest

This event provided a platform for the students to present their ideas in the area of instrumentation and electronics. The students presented papers on various areas like Signal Processing, Bio Informatics, Opto Electronics, Embedded Systems, Instrumentation & Control, Data Acquisition, Sensors, Applied Electronics, Robotics etc.



Meera Benny (S4)



Lakshmi (S6)

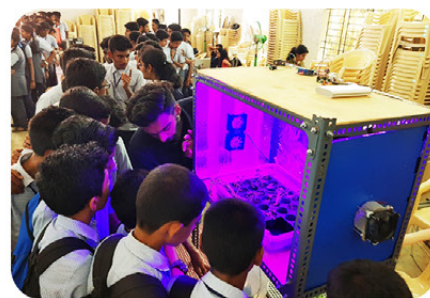


Workshop on Wireless Power Transmission ⚡

The workshop was handled by Mr. Vishnu V. M., Deputy Engineer, V-Guard. The event attracted participants from other colleges also.



Project Exhibition





STUDENT ACHIEVEMENTS TECHNICAL

JAW DROPPING!



Arathi E., Ashin Sajan, Ditto Paul, Ijas Mohammed, Monica Clare Albin of S8 EIE bagged the 'Best Instrumentation Project Award' in the technical fest – 'Shrishti' held at Saintgits College of Engineering, Kottayam. Project – **Smart Farm**

Sarath K K, Ijas Mohammed, George Thomas, Ashin Sajan, Arun U. of S8 EIE were the prefinalists of product designing conducted by the National Instruments. They were funded Rs 10,000 by Kerala State Council for Science, Technology and Environment (KSCSTE) for researching in the project '**Vertical Profarm**'.

Now they are the quarterfinalist of the currently running contest of Indian Innovative Challenge Design Contest

(IICDC – 2017) by NSRCEL, IIM Bangalore, which is an initiative by the Texas Instruments and Department of Science and Technology (DST), supported by MYGOV and Make In India.



'**Automatic Egg Candling Machine**', a project done by **Joseph P. Joseph, Krishnanugrah P. U., Maria Susan John, Vijay Rajeev, Arun Kumar T. V.** of S8 EIE are also the quarterfinalist of the currently running contest of Indian Innovative Challenge Design Contest (IICDC – 2017) by NSRCEL, IIM Bangalore which is an initiative by the Texas Instruments and Department of Science and Technology (DST), supported by MYGOV and Make In India. They were also funded Rs 3000 by Kerala State

Council for Science, Technology and Environment (KSCSTE) for the project.

A project titled '**Real Time Process Controlling and Simulation Through VR**' was selected for 2nd round of Quest INGENIUM, a contest for engineering talent search conducted by QUEST GLOBAL where the project was researched by **Vijay Rajeev, Krishnanugrah P. U., Joseph P. Joseph, Arun Kumar T. V.** of S8 EIE.

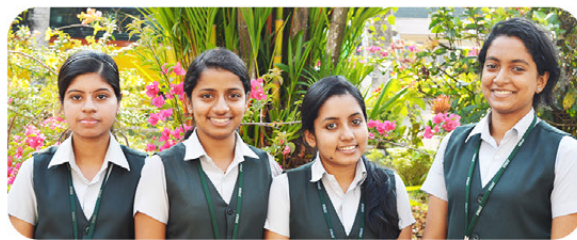
Arun Kumar T. V. , Basil Joy and Melvin Tomy stood 1st in a paper presentation contest of TEQUEST, technical fest conducted by the Department of Instrumentation, CUSAT.

Also they won the first position for their research paper titled "**PORTABLE MILEAGE SENSING DEVICE FOR VEHICLES**" in KETCON-2018 jointly organized by APJ Abdul Kalam Technological University and KSCSTE, hosted by Sahradaya Engineering college during February 2018 and won third prize at TEQUEST, technical fest conducted by the Department of Instrumentation, CUSAT.





Arun U, Ankith Saju, Arathi E were funded Rs 7,000 by Kerala State Council for Science, Technology and Environment (KSCSTE) for project research in 'Self Piloted Robot'.



Aishwarya Lakshmi Pradeep, Sofia Sara Biju, Mary Jeny P.J., Jismol Thomas presented a paper on 'Virtual Instrumentation in Power Quality Monitoring' at College of Engineering, Kidangoor.



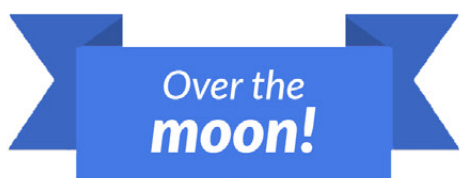
Meera Benny, Suhana P H and Najla M N of S4 EIE participated in a paper presentation contest of TEQUEST, technical fest conducted by the Department of Instrumentation, CUSAT



Haritha Ravichandran, Sreehari Menon and Akash Tommy of S6 EIE attended a two day Astronomy workshop conducted by Raman Research Institute, Bangalore



PLACEMENTS



Sarath K. K., Anjaly Rajeev, Chaithanya Menon, Farzana Saleem & Arjun K. P. of S8 EIE placed in

TATA CONSULTANCY SERVICES



Ijas Muhammed
placed in



R. G. Vaishak
placed in

Shine Track



Shinta Peter
placed in





CLASS TOPPERS

2017 - 2021



Athulya Sreekumar



Jithu Tomy



Ajay Baby



Bhavya P.

2016 - 2020



Neenu Bharathi



Najla M. N.



Amit A. Bastian

2015 - 2019



Ajay Vellarackal



Christi V. Sebastian



Athira C. A.

2014 - 2018



Mariya Susan John



Farzana Saleem



Mary Jeny P. J.



M. G. University
Arts Festival 2018



**Zulfikar Shamsu,
Romario Thomas,
Ditto Paul,
R. G. Vaishak,
Ankith Saju,
Nithin George &
Gopu Martin Paul (S8)**

*Participated in Duffmuttu
Competition in the M. G.
University Arts Festival*



Alan K. Baby (S8)
Vocalist



Basil Thariath (S8)
Keyboardist



Kiran Paul (S8)
Drummer

Intra college arts festival

Arangu
2018



K. J. Abdul Muhzin (S4)
Band Competition



Sangeeth M. (S6)
Light Music Solo



Nair Aswathy Harikumar (S6)
Poetry Writing



Abhilash C. S. (S4)
Keyboard



Abhilash Prem (S6)
Light Music Solo



Steeve Joseph, Shafi Asharaf, Vishnu Ramakrishnan & Achal S. Kumar (S2)
Group Dance



Sarath K. K.
Arts Club Secretary



On cloud nine!



Nair Aswathy Harikumar (S6) won first prize for poetry writing conducted by Rolling Stone (Literary club of FISAT) as a part of Womens Day Celebration. She also won third prize for poetry writing conducted by Darsana Publications.

She was one among the 5 finalists of the beauty pageant 'Miss Millennial 2K17' conducted by Manorama Online powered by Federal Bank. She also won the zonal level of Speak for Kerala contest conducted by Federal Bank.



Nair Aswathy Harikumar of S6 EIE, **Rohith M.** & **Arun C.** of S8 EIE won first prize in fashion show held at MA college of Engineering, Thejus Engineering college, and SNMIMT.





SPORTS

REACHING FOR THE STARS



Akash Anil of S2 EIE, secured the National level boxing championship held in Chhattisgarh and another National level boxing championship held in Delhi, conducted by Chhattisgarh and Delhi association respectively.



COLLEGE TEAM MEMBERS



Jins George (S2)
Football



**Vivek K. V. (S6) &
Abdul Muhzin (S4)**
Volleyball



Sangeeth (S6)
Cricket



Arjun K. P. (S8)
Badminton



SPORTS DAY FISAT



Arjun K. P. (S8)
Badminton



Mariya Susan John (S8)
Discus Throw (Ist)
& Shot Put (IIIrd)



R. G. Vaishak (S8)
4*400 meter Sprint
& 200 meter Relay



Steeve Joseph (S2)
Javelin Throw



**Karishma C. Kaiz
Nair Aswathy Harikumar
Amrutha A. Nair**
(S6), Relay 4*400 meter



Karishma C. Kaiz (S6)
Discus Throw

ACHIEVEMENTS OUTSIDE FISAT

1. **Neenu S. Bharathi** of S2 EIE participated in KTU-Basketball match.
2. **Vivek K. V.** of S6 EIE was a semifinalist for KTU Zonal Volleyball tournament held at MA college.

TEAM EIE



BATCH 2014 - 2018



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