JANUARY 2021 .VOL 2. ISSUE 1

ECE NEWZ

E –Newsletter from Dept. of ECE
Albertian Institute of Science and Technology (AISAT) – Technical Campus

VISION

"To generate technically competent employable Engineers for the Electronics and Communication industry who will work towards the betterment of society and nation."

MISSION

- Impart knowledge in the field of electronics with ample opportunities for practice, research, innovation and entrepreneurship.
- Adapt to technological advancements by regular interactions with experts from industry and academicians to generate quality professionals.
- Provide value-based education to develop socially responsible engineers.

PROGRAM EDUCATIONAL OBJECTIVES

Graduates of Electronics and Communication Engineering shall

- **PEO1:** Demonstrate technical aptitude to identify, analyse and design innovative, sustainable and cost-effective solutions for complex engineering problems.
- **PEO2:** Function effectively as an individual and attune oneself to diverse teams and interdisciplinary ventures.
- **PEO3:** Apply acquired knowledge and ethical principles for the betterment of the society.

FROM HOD…

Electronics & Communication engineering is a versatile and evergreen branch of Engineering. The Department has well qualified and dedicated faculty with well-developed laboratories. We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by expert talk. We also provide opportunities for students to participate in various technical events and competitions. This newsletter is an attempt to highlight the achievements of the department, in spite of the space constraint , we have showcased the best and look forward to have more in the future on next editions. I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.

Prof. Naibin George

the tech corner.

TECH TRENDS OF 2020

The “Internet of Bodies”, Green Tech to DIY AI and trends in digital trust, a host of new technology solutions, along with complex Big Tech conversations are considered to be Tech Trends of 2020

In 2021 no one will be satisfied with empty words, green washing or drop in the bucket efforts anymore. In 2020, we can see that green innovations go beyond the hype, using combinations of IoT, big data and AI tech to measure consumption, reduce demand and significantly reduce carbon footprints while cutting costs and building new revenue streams.

Tech companies and governments are collecting and analyzing more data about communication patterns and Internet usage .With this, they're creating new products services and offerings, and in some parts of the world, surveillance systems. As a result, more users are taking steps to protect their communications. In addition to fully encrypted apps, apps that use mesh or peer-peer technology will increase in popularity as the technology for creating networks without centralised infrastructure improves.

We call this "dirty data" a term that is 2020 may go as mainstream as "fake news". As data-driven decision-making from Artificial Intelligence or Machine Learning (AI/ML) become more common, it will be subjected to more public scrutiny. People will ask whether solutions are fair and unbiased, or whether the data used to train them was 'dirty'. The EU and the data science community is very aware of this challenge , and is working hard to ensure data quality , start-ups focused on data auditing are seeing the light of day and significant research is going into finding solutions. Therefore ,Telco industry will be a foundation of future economy and can drive real changes across multiple sectors in society.

5G, IoT and AI will spur industry collaborations that share competence and co-create world-changing platforms .

Stable lithium battery design

Next-generation lithium batteries that offer lightweight, long-lasting, and low-cost energy storage have not been successfully commercialised due to the fact that while rechargeable lithium metal anodes play a key role in how well lithium batteries function, during battery operation they are highly susceptible to the growth of dendrites, microstructures that can lead to dangerous short-circuiting, catching on fire, and even exploding.

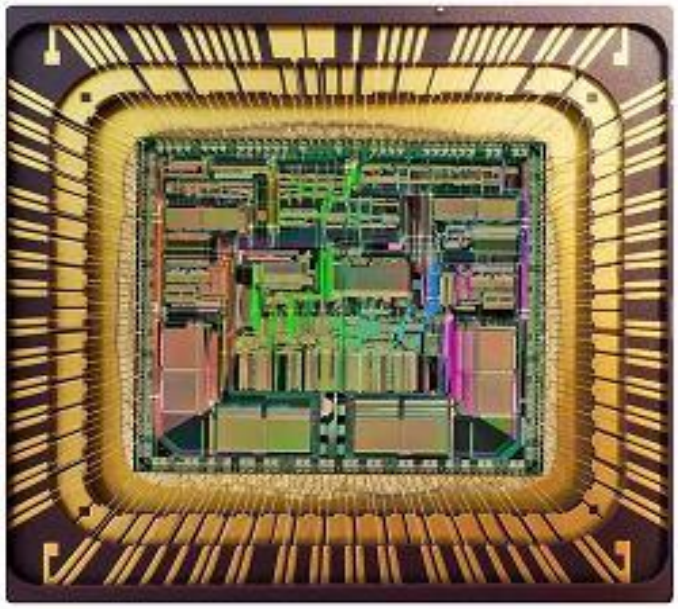
Researchers have announced that they have found that alkali metal additives, such as potassium ions, can prevent lithium microstructure proliferation during battery use. The research team used a combination of microscopy, nuclear magnetic resonance (similar to an MRI), and computational modeling to discover that adding small amounts of potassium salt to a conventional lithium battery electrolyte produced a unique chemistry at the lithium/electrolyte interface.

The team is currently testing alkali metal additives that stop the formation of deleterious surface layers in combination with more traditional additives that encourage the growth of conductive layers on lithium metal.

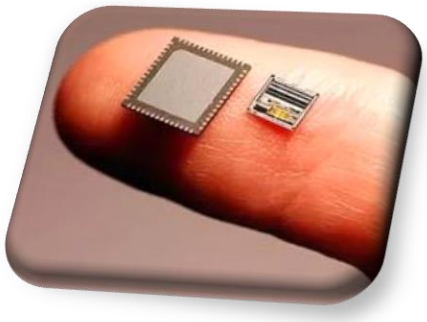
Soft electronics breakthrough

Soft electronics are used extensively when it comes to real-time health monitoring or in enhancing the sensing abilities of robots, but a big challenge in using such materials has been found to be their lack of reliability. Unlike rigid devices, being elastic and pliable makes their performance less repeatable. This variation in reliability is known as hysteresis. The NUS(National University of Singapore) team have developed a material which has high sensitivity, but with an almost hysteresis -free performance. Their invention, named Tactile Resistive Annularly Cracked E-Skin, or TRACE, has been found to be five times better than conventional soft materials.

DID YOU KNOW?



1. A small silicon chip of which could easily fit in our hand contains more than 100000000 transistors .It's something which have surely strikes your mind. Chip making is extremely precise and is done in a clean room since even microscopic contamination could render a chip defective. As transistor components have shrunk , the number per chip has doubled about every 18 months from a few thousand in 1971 to more than one billion in 2006



2. One Google search produces about 0.2g of CO2. But since you hardly get an answer from one search , a typical search session produces about the same amount of CO2 as does boiling a tea kettle. Google handles about 1 billion search queries per day, releasing some 200 tons

FIVE FAST FACTS

TECHNOLOGY TRENDS EMERGING AMIDST COVID-19 DISRUPTION

WORKING FROM HOME: Cloud services and video conferencing are assisting workers with replicating the in-office experience, albeit only if provisions have been made fo these services.

INTERNET TRAFFIC SPIKE: Internet traffic has hit new heights as people work, play, and stay informed at home , 24 hours a day.

COMPROMISED PERFORMANCE: Cloud services and video conferencing are assisting workers with replicating the in office experience ,albeit only provisions have been made for these services.

DATA CENTER STAFF ARE ESSENTIAL: Mission critical means the data center staff are absolutely required to work to keep the rest of the world online.

BEST PRACTICES: Constant review of IT infrastructure is imperative to avoid outages and prepare a business for disruptive events such as COVID-19.

CLASS TOPPERS OF S8 ECE

ADHITHYA PRADEEP
CGPA- 8.99

ACQUILA JUDESON
CGPA-8.42

AMRIN AMIRKHAN
CGPA-8.31

NAME OF THE STUDENT	CGPA
1. ADHITHYA PRADEEP	8.99
2. ACQUILA JUDESON	8.42
3. AMRIN AMIRKHAN	8.31
4. ALEENA ELIZABATH PAUL	8.21
5. REETHU GEORGE	8.17
6. RAKHIMOL M.R	8.16
7. ASHMY JOHNSON	8
8. ANEETA MARY	7.94

WEBINARS AND WORKSHOPS CONDUCTED

IEEE AISAT SB

“MAGNUM 2020” is an annual event by **IEEE AISAT SB**. It is a 4 days online extravaganza with a bunch of technical and non-technical events.

IEEE SB AISAT
ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE
EUREKA!!
BE THE TOP 10 FOR QUIZ MASTERS ROUND
6th Dec
2-4pm
WIN 1.5K
QUIZ ROUNDS
1.VIA GOOGLE FORMS 2.LIVE QUIZ MASTER'S ROUND
TECH QUIZ: GENERAL CURRENT AFFAIRS, COMPUTER, ELECTRICAL AND ELECTRONICS
Register at : bit.ly/2JqOuxS
TALKMASTERS
TALK IT OUT FOR THE 1K
7TH DEC
VENUE
4PM
WHAT AN IDEA
5th Dec
VENUE
PRIZES WORTH 5K
IDEA PRESENTAION
@ieeeaisatsb
Register at :
LOCAL HOST
BIJOY SIJO
Student / Developer
JUDIS M JEEVAN
Software Developer
4-6 Dec
PRIZES WORTH 4K
WEB DEVELOPMENT WORKSHOP
Register at : bit.ly/3qcJA8T
TALKAHOLIC
"Become the person who would attract the results you seek"
1K
WINNER
6TH DEC
VENUE
4PM
TYPOGRAPHERS
MARATHON
Compete with colleges
Know your typing skills
Clear 5 levels to win the competition
PLATFORM
WhatsApp
5TH DEC
REQUIREMENTS
PC/DESKTOP
5 PM
MAKE IT RUN!
SQUASH THE BUG AND TAKE HOME 1.5K
7TH DEC
6PM
DEBUGGING COMEPETETION
@ieeeaisatsb
Register at : bit.ly/3mqyuec

What's happening and what went down?

1. Introduction to Tech sessions with IEEE SB AISAT (One-Oh-One Sessions)

Levelling up and up skilling is necessary in the current gig economy scenario, Along with obtaining the priced Engineering degree, It is crucial that people have viable real-life skills to be a professional in any domain.

The One-Oh-One sessions were born out of the idea of introducing people to different tech domains. The sessions are handled by students from either AISAT or other colleges who have experience working in any tech domain.

Relativity and explaining topics at its most fundamental level in a simple manner are kept as the prime aim of the sessions.

Session on Basics of Electronics (Back-to-Basics – Electric Breakdown):

Taking you back to the roots and fundamentals of electronics, This session was handled by **Mr Gladson Sabu**, A recent graduate from AISAT, who is now placed as a Jr. Engineer with Gronne Technologies.

This session was the kick off to the One-Oh-One programmes hosted by Dept. of ECE and IEEE SB AISAT. The session helped 100+ students comprising of all years of study, revisit and strengthen the fundamentals of Basic Electronics.

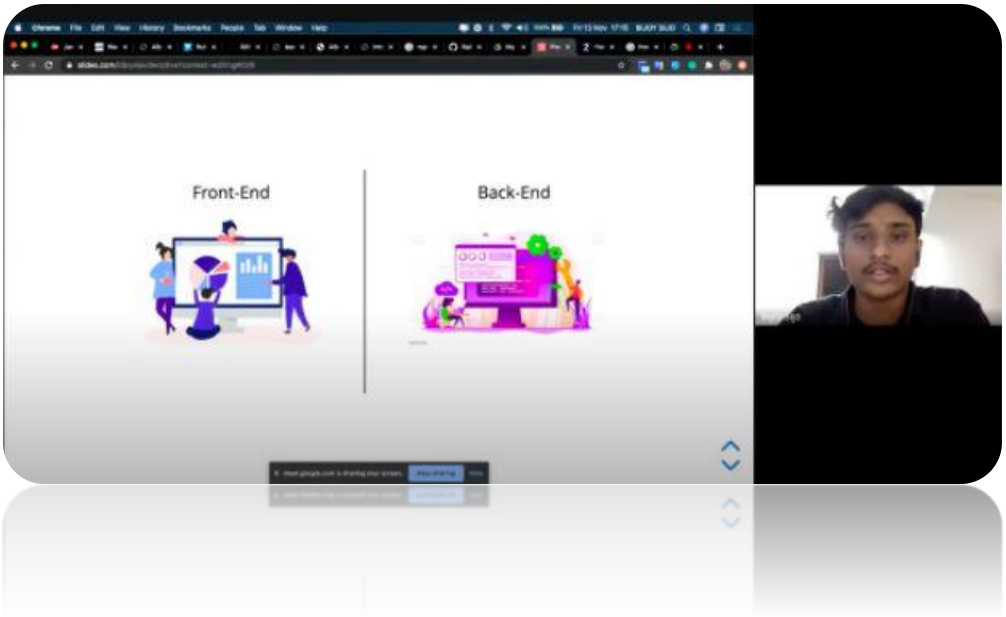
As is the aim of the sessions, The students got to be very interactive with the speaker and the QnA session turned more into a discussion, by talking about projects and by Gladson carving a roadmap for learning the basics.

Session on Web Development and Web Technologies:

More than a session, this turned out to be an energy-packed discussion on what is web development, what is front-end and back-end web development, a basic know-how on how the web works, various technologies and methodologies used in it.

The session was handled by **Bijoy Sijo**, a third-year student of ECE Dept., AISAT, who also interns as a back-end developer. The QnA session turned out to be the bomb, with students asking questions and having discussions with the speaker, on technologies used in the current scenario, the scope of web development, programming languages that you can learn to get started and on breaking common myths about getting started in programming. A brief introduction to learning communities such as @tinker hub was done in this session.

As with the Idea of the One-Oh-One sessions, the sessions so far have been effective with the active involvement of students and keeping the sessions relatable by getting students or recent graduates to be the speakers of the sessions. The outcomes have been fruitful with students exploring further into the tech stacks and planning learning roadmaps with the introduction they obtained from the One-Oh-One sessions.



What's Happening:

As with any other domain, the domination of males in the tech scene has been a roadblock to showcasing female talent and bringing out the best in them.

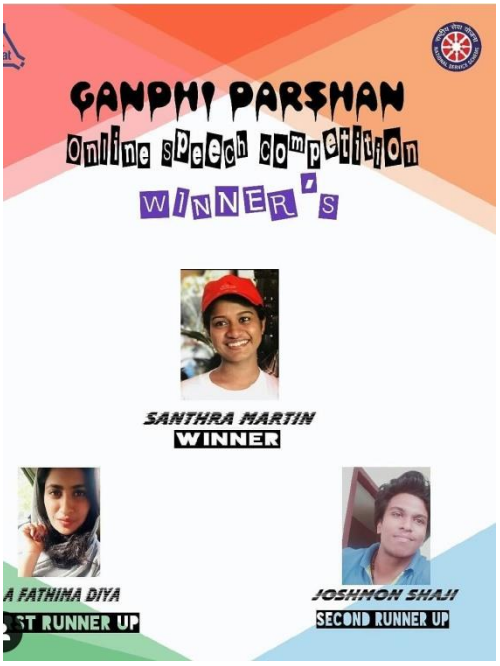
To empower women in tech, several organisations and communities are working relentlessly. There are several internship and fellowship programmes only for students who are women. The Grace hopper celebration India and Amazon WoW are such examples of programmes for women in tech. These aim at creating inclusivity for more women in tech.

As for the students of our college, to bring more women actively into the tech field, Dept. of ECE in association with Women in Engineering (WiE) of IEEE SB AISAT, is organising a session with Ms. Sreepriya Radhakrishnan (Co-founder, @pehiaorg), a gender inclusivity activist and a recent graduate, to talk about the current scenario, the opportunities for our students, and her experiences working on gender inclusivity with @pehiaorg. The session is scheduled to take place on Jan 9, 2020.

STUDENT ACHIEVEMENTS

Sherin Skariah got third prize in state level A space film panel discussion by IEEE CS SBC GECBH in association with Silver screen GECB by IEEE computer society.

Joshmon Shaji was awarded third prize in the online speech competition organised by NSS Unit of Albertian Institute of Science & Technology.



- Aaysha.V.S has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Aaysha.V.S has participated in the webinar on "life of semiconductor engineer- session 2:Semiconductor manufacturing " on 26th September 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Aldrin Chrisostom has participated on the webinar on "ONE-OH-ONE : INTRO TO WEB DEVELOPMENT " on 13th November 2020 organised by : CS interest group IEEE SB AISAT

- Aldrin Chrisostom has participated on the webinar on " Life of a Semiconductor Engineer -
- Session 2 :Semiconductor Manufacturing " on 26th September 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

- Aldrin Chrisostom has participated on the webinar on " Life of a Semiconductor Engineer - Session 3 : MEMS"on 17th October 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

- Anu Antony has participated in the webinar "life of a semiconductor engineer- session 2: semiconductor manufacturing' on 26th September 2020 organized by department of electronics and communication engineering, AISAT.

- Anu Antony has participated in the webinar "life of a semiconductor engineer- session 3: MEMS on 17th October 2020 organised by department of electronics and communication engineering, AISAT.

- Anu Antony has participated in the webinar opportunities in space and cryogenics technology conducted by department of mechanical engineering, AISAT, in association with flame, mechanical engineering students association on 17th October 2020.

- Savanth P.S has participated in the Workshop on "Spark AR "
on 15th December, 2020 organised by IEEE AISAT SB & IEEE RSET SB

- Savanth P.S has participated in the webinar on “Opportunities in Space and Cryogenic Technology” on October 17, 2020 organised by the Department of Mechanical Engineering, AISAT in Association with FLAME, Mechanical Engineering Students Association

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- Athira Rajesh has participated in the Workshop on "Spark AR " on 15th December, 2020 organised by IEEE AISAT SB & IEEE RSET SB

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- Boniface Noel has participated the webinar on "Life of a Semiconductor Engineer - Session 2 : Semiconductor Manufacturing" on 26th September 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

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- Athira C.R. has participated in the webinar on "Life of a Semiconductor Engineer -Session 2 : Semiconductor Manufacturing" on 26th September 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

- Athira C.R. has participated in the webinar on "Life of a Semiconductor Engineer -Session 3 : MEMS" on 17th October 2020 organised by Department of Electronics & Communication Engineering , Albertian Institute of Science & Technology (AISAT)

- Cris Maria Shaji has participated the webinar on "opportunities in space and cryogenic technology" on 17 October 2020 organised by department of Mechanical engineering, Aisat in association with flame, mechanical engineering students association

- Cris Maria Shaji has participated in the webinar on “Joy of volunteering" on 24 September 2020 organised by the NSS AISAT

- Cris Maria Shaji has participated in the webinar on “Awareness on HIV" on 1 December 2020 organised by the NSS AISAT
- Cris Maria Shaji has participated in Skill development session of Renissance 2020 conducted by IEEE link from 19 October 2020 to 25 October 2020.

- Cris Maria Shaji has participated in the webinar on “yoga to excel in studies" on 28 August 2020 organised by the NSS AISAT

- Cris Maria Shaji has participated the webinar on "ONE-OH-ONE: ELECTRIC BREAKDOWN" on 6th November 2020 organised by IEEE SB AISAT

- Cris Maria Shaji has participated the webinar on "ONE-OH-ONE:INTRO TO WEB DEVELOPMENT " on 13th November 2020 organised by IEEE SB AISAT

- Cris Maria Shaji has participated in the webinar on "life of a semiconductor, session 2- semiconductor manufacturing" on 26 September 2020 organised by department of electronics and communication engineering (AISAT)

- Cris Maria Shaji has participated in the webinar on “life of a semiconductor, session 3- MEMS" organised by department of electronics and communication engineering (AISAT) on 17 October 2020

- Cris Maria Shaji has participated in the webinar on "what industry needs from engineering graduates" organised by department of Mechanical engineering, Aisat in association with flame, mechanical engineering students association on 13 November 2020.

- Dilruba Aleema has participated in the webinar on "Life of a Semiconductor Engineer -Session 2 : Semiconductor Manufacturing" on 26th September 2020
- organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

- Dilruba Aleema has participated in the webinar on "Life of a Semiconductor Engineer -Session 3 : MEMS" on 17th October 2020 organised by Department of Electronics & Communication Engineering, Albertian Institute of Science & Technology (AISAT)

- Mahin Muhammed has participated in the webinar on "Life of a Semiconductor Engineer -Session 2 : Semiconductor Manufacturing" on 26th September 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

- Mahin Muhammed has participated in the webinar on "Life of a Semiconductor Engineer -Session 3 : MEMS" on 17th October 2020 organised by Department of Electronics & Communication Engineering, Albertian Institute of Science & Technology (AISAT)

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- Mahin Muhammed has participated the webinar on "opportunities in space and cryogenic technology" on 17 October 2020 organised by department of Mechanical engineering, Aisat in association with flame, mechanical engineering students association

- Rahul Kumar Yadav has participated the webinar on "Life of a Semiconductor Engineer - Session 2 : Semiconductor Manufacturing" on 26th September 2020 organised by Department of Electronics & Communication Engineering
- Albertian Institute of Science & Technology.

- Liyamol Benson has participated the webinar on "opportunities in space and cryogenic technology" on 17 October 2020 organised by department of Mechanical engineering, Aisat in association with flame, mechanical engineering students association

- Liyamol Benson has participated the webinar on "Life of a Semiconductor Engineer - Session 2 : Semiconductor Manufacturing" on 26th September 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology.

- Joseph Renil K.M has participated a webinar on "life of a semiconductor, session 2- semiconductor manufacturing" on 26th September 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

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- Joseph Renil K.M has participated a webinar on "1-OH-ONE : Into to web development" on 13th November 2020 organised by IEEE SB AISAT and has participated a webinar on "one-oh-one: electric breakdown" on 6th November 2020 organised by IEEE SB AISAT

- Joseph Renil K.M has participated a webinar on "opportunities in space and gyogenic technology" on October 17, 2020 organised by the Department of Mechanical Engineering, AISAT in Association with FLAME, Mechanical Engineering Students Association.

- Joseph Renil K.M has participated in the webinar on "Awareness on HIV" on 1st December 2020 conducted NSS Unit AISAT and has participated in Skill development session of Renissance 2020 conducted by IEEE link from 19 October 2020 to 25 October 2020.

- Rinoy Varghese has participated in the webinar on “Joy of volunteering" on 24 September 2020 organised by the NSS AISAT

- Rinoy Varghese has participated a webinar on "one-oh-one: electric breakdown" on 6th November 2020 organised by IEEE SB AISAT

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- Joshmon Shaji has participated in the webinar on "life of a semiconductor, session 3- MEMS" on 17th October 2020 organised by Department of Electronics & Communication Engineering Albertian Institute of Science & Technology (AISAT)

- Suhana K Ubaide has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Suhana K Ubaide has participated in the webinar on "life of semiconductor engineer- session 2:Semiconductor manufacturing " on 26th September 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Soniya Mary K. has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Soniya Mary K. has participated in the webinar on " micro gravity" on 8th September 2020

- Aysha Mather K.A. has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Aysha Mather K.A. has participated in the webinar on "life of semiconductor engineer- session 2:Semiconductor manufacturing " on 26th September 2020 organized by Electronics & Communication Engineering Department of AISATand has participated in the webinar on “Joy of volunteering" on 24 September 2020 organised by the NSS AISAT

- Aysha Mather K.A. has participated in the webinar "one-oh-one: electric breakdown" on 6th November 2020 organised by IEEE SB AISAT

- Abel A James has participated in Skill development session of Renissance 2020 conducted by IEEE link from 19 October 2020 to 25 October 2020.

- Abel A James has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

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- Abel A James has participated in the webinar on "life of semiconductor engineer- session 2:Semiconductor manufacturing " on 26th September 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Abel A James has participated in the webinar on "Awareness on HIV" on 1st December 2020 conducted NSS Unit AISAT

- Jisna Maria has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

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- Jisna Maria has participated a webinar on "1-OH-ONE : Into to web development" on 13th November 2020 organised by IEEE SB AISAT

- Jisna Maria has participated a webinar on "one-oh-one: electric breakdown" on 6th November 2020 organised by IEEE SB AISAT

- Jisna Maria has participated a webinar on Arduino on 14th November 2020 organised by IEEE SB AISAT

- Jisna Maria has participated in the Workshop on "Arduino" from 13th to 14th December, 2020

- Rahila PA has participated in the webinar "what industry needs from engineering graduates!!!" conducted by the Department of mechanical engineering, AISAT on November 13, 2020

- Geethesh has participated in a webinar on Arduino on 14th November 2020 organised by IEEE SB AISAT

- Geethesh has participated a webinar on "one-oh-one: electric breakdown" on 6th November 2020 organised by IEEE SB AISAT

- Geethesh has participated in the webinar opportunities in space and cryogenics technology conducted by department of mechanical engineering, AISAT, in association with flame, mechanical engineering students association on 17th October 2020.

- Denson David has participated a webinar on " Digital marketing and Facebook promotion " on 28th November 2020 organised by , Analytica IT Solutions LLP Calicut.

- Amna Anwar has participated a webinar on "1-OH-ONE : Into to web development" on 13th November 2020 organised by IEEE SB AISAT

- Amna Anwar has participated a webinar on "one-oh-one: electric breakdown" on 6th November 2020 organised by IEEE SB AISAT

- Amna Anwar has participated a webinar on " Future with artificial intelligence " on 15th September 2020 organised by AI Village

- Amna Anwar has participated in the Workshop on "Arduino" from 13th to 14th December, 2020

- Amna Anwar has participated in the webinar "what industry needs from engineering graduates!!!" conducted by the Department of mechanical engineering, AISAT on November 13, 2020

- Clibina has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Meghana has participated in the webinar on "life of semiconductor engineer- session 3:MEMS" on 17th October 2020 organized by Electronics & Communication Engineering Department of AISAT.

- Meghana has participated in a webinar on Arduino on 14th November 2020 organised by IEEE SB AISAT
- Femy Xavier has participated in a webinar on Arduino on 14th November 2020 organised by IEEE SB AISAT
- Femy Xavier has participated a webinar on "one-oh-one: electric breakdown" on 6th November 2020 organised by IEEE SB AISAT

- Abhijit has participated in the webinar "what industry needs from engineering graduates!!!" conducted by the Department of mechanical engineering, AISAT on November 13, 2020

- Sherin Skariah has attended a 15 days Arduino masterclass organized by pantech solutions.

- Sherin Skariah has attended a 5 days machine learning boot camp Girl script.

- Sherin Skariah has participated in the webinar opportunities in space and cryogenics technology conducted by department of mechanical engineering, AISAT, in association with flame, mechanical engineering students association on 17th October 2020.

- Cris Maria Shaji has volunteered in Beyond the Stigma, State level program conducted by NSS Unit of AISAT on 1 December 2020.
- Cris Maria Shaji has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.
- Joseph Renil K.M has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.
- Soniya Mary K has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.

- Aysha Mather K.A. has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.

- Annet Maria Cyriac has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.

- Athira Rajesh has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.

- Savanth P.S. has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.
- Astil Martin has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.
- Serene Roy has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.
- Rincy Varghese has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.
- Rinoy Varghese has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.

- Annet Maria Cyriac has volunteered in PowerGame, an online debate competition conducted by IEEE AISAT SB & IEEE RSET SB from 16th to 18th December, 2020.

- Athira Rajesh has volunteered in PowerGame, an online debate competition conducted by IEEE AISAT SB & IEEE RSET SB from 16th to 18th December, 2020.

- Jisna Maria has volunteered in Magnum 2020, state level program conducted by IEEE AISAT SB from 4 December 2020 to 7 December 2020.
- Jisna Maria has volunteered in PowerGame, an online debate competition conducted by IEEE AISAT SB & IEEE RSET SB from 16th to 18th December, 2020.
- Sherin Skariah completed 5 days internship on machine learning at Megara robotics chennai, collaboration with humanitarian technology and IEEE student Branch of Amrita vishwa vidhyapeetham, Amritapuri campus,kerala.

- Boniface Noel completed a course on Introduction to Augmented Reality and AR-Core, an online course authorized by Google AR & VR in collaboration with Day-Dream and offered through Coursera on 21.05.2020.
- Savanth P S has successfully completed a course on 'Mind Control: Managing Your Mental Health During COVID-19' an online non-credit course authorized by University of Toronto and offered through Coursera on 30.09.2020.

- Savanth P S has successfully completed a course on 'Inspiring and Motivating Individuals' an online non-credit course authorized by University of Michigan and offered through Coursera on 17.10.2020

- Savanth P S has successfully completed a course on Capstone: Retrieving, Processing, and Visualizing Data with Python, an online non-credit course authorized by University of Michigan and offered through Coursera on 13.09.2020

- Apsara P Purushothaman completed a course on Programming for Everybody (Getting Started with Python) an online non-credit course authorized by University of Michigan and offered through Coursera on 11.08.2020

- Apsara P Purushothaman completed a course on Python Data Structures, an online course authorized by University of Michigan and offered through Coursera on 06.09.2020

- Apsara P Purushothaman completed a course on Design Thinking for Innovation, an online course authorized by University of Virginia and offered through Coursera on 02.09.2020

- Apsara P Purushothaman completed a course on introduction to internet of things and embedded systems an online course authorized by University of California, Irvine and offered through Coursera on 14.10.2020

- Anu Antony completed a course on AI for everyone an online course authorised by deeplearning.ai and offered through Coursera on 11.8.2020

- Anu Antony completed a course on programming for everybody (getting started with python) an online course authorised by University of Michigan and offered through Coursera on 26 .8. 2020

- Annet Maria Cyriac completed a course on Python Data Structures, an online course authorized by University of Michigan and offered through Coursera on 10.08.2020

- Annet Maria Cyriac completed Career Edge - Knockdown the lockdown, an online course authorized by TCS ion on 10.06.2020

- Joseph Renil K.M completed a course on 'programming for everybody' (getting started with python) through Coursera on 14.08.2020
- Joseph Renil K.M completed a course on 'python data structures' through Coursera on 19.08.2020.

- Rahila PA has completed a course in Programming for Everybody (Getting Started with Python) authorized by University of Michigan offered by Coursera on 06/12/2020

- Geethesh has completed a course in Raspberry Pi authorized by University of California, Irvine offered by Coursera on 18/12/2020

- Bodhan D'Silva has completed a course in Programming for Everybody (Getting Started with Python) authorized by University of Michigan offered by Coursera on 4/11/2020

- Amna Anwar has completed a course in Big Data , Artificial intelligence and ethics through Coursera on 27/09/2020

FDP's/Courses/Workshops Attended by Faculty

- Prof. Sonu K Varghese attended one week AICTE sponsored short term training program on Outcome based Education for Technical Institutions –Phase 1conducted by Rajagiri School of Engineering And Technology from 14.10.20 to 20.10.20.

- Prof. Anu Antony attended one week AICTE sponsored short term training program on Outcome based Education for Technical Institutions – Phase 1 conducted by Rajagiri School of Engineering And Technology from 14.10.20 to 20.10.20.

- Dr.Neenu Joseph attended one week AICTE sponsored short term training program on Outcome based Education for Technical Institutions – Phase 1 conducted by Rajagiri School of Engineering And Technology from 14.10.20 to 20.10.20.

- Dr.Neenu Joseph attended FDP in Recent advances in Communication and Networking conducted by GEC Idukki from 28.09.20 to 3.10.20.

- Dr.Neenu Joseph attended FDP in Digital Farming exploration with AI conducted by Vivekanandha College of Technology For Women from 2.11.20 to 7.11.20.

- Dr.Neenu Joseph attended FDP in Research Challenges in Optical Networks, WDM optical networks, sensor networks and unparallel communication speed in future conducted by Ramachandra College of Engineering from 16.11.20 to 27.11.20 .

- Prof. Reshma Mary Jose attended Online FDP on " Micro-electromechanical Systems" conducted by AICTE Training And Learning (ATAL) Academy from 23.11.20 to 27.11.20.

- Prof. Reshma Mary Jose attended One week AICTE sponsored short term training program on Outcome based Education for Technical Institutions – Phase 1 conducted by Rajagiri School of Engineering And Technology from 14.10.20 to 20.10.20.

- Prof Tubin T X attended Five Days Online Faculty Development Programme on "AICTE Incorporating Universal Human Values in Education" conducted by AICTE from 19.10.20 to 23.10.20 .

- Prof Tubin T X attended Five Days Online Faculty Development Programme on “Recent Advancesin Communication and Networking” conducted by GEC Idukki from 28.09.20 to 3.10.20.

- Prof Tubin T X attended AICTE Sponsored Six days STTP on "Trends and Technologies in Antenna Design and its Research Scopes" conducted by Department of Electronics,Toc H Institute of Science and Technology, Arakkunnam from 12.10.20 to 17.10.20.

- Prof. Paul Ansel V was the Resource person for "Importance of Effective Communication in Learning" conducted by Dept. of Ship Technology and Department of Polymer Science and Rubber Technology, CUSAT, on 13.11.20.

- Prof. Paul Ansel V was the Resourse person for "Public Speaking", Seven Day OnlineNSS Camp Sannadham on 31.12.20.

EDITORIAL BOARD

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