

# AISAT NEWSLETTER

AISAT ENGINEERING COLLEGE

Archdiocese of Verapoly

Albertian Institute of Science and Technology

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University, Trivandrum

ISO 9001-2015 Certified Educational Institution

Archbishop Angel Mary Nagar, Cochin University P O, Kalamassery, Kochi-682022

Web:www.aisat.ac.in, Ph:0484-2540360,9048540361 E-mail:mail@aisat.ac.in

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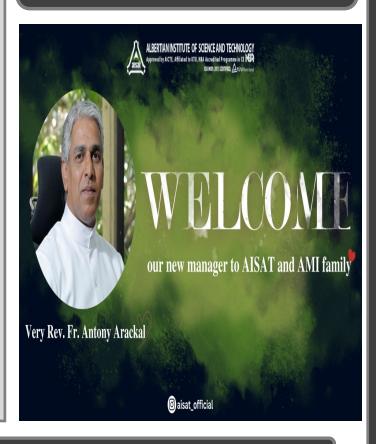
# **VISION**

To be a center of excellence for professional education and related services creating technically competent and ethically strong innovative minds committed to the growth of the nation and beyond.

## **MISSION**

- We are committed to provide value based education with ample opportunities for research and consultancy
- We take every possible step to enhance the skills and bring out quality professionals, providing a friendly and growth oriented ambience with appropriate resources.
- We improve ourselves through continuous valuation and updation to meet the challenges and requirements of modern society

# **WELCOME New Manager**



# **Christmas Celebration—SANTAZEN**



Christmas is for joy, for giving and sharing, for laughter, for coming together with family and friends. This year, the Christmas Day celebration of Albertian Institute of Science and Technology was conducted on 23rd December 2022. The Christmas celebration was named as Santazen . Various theme-based competitions for students and faculties were held in the evening after the class wise celebrations which were conducted in various departments. The competitions included Christmas tree-making from recycled wastes, cake decoration and theme-based photo contests.

The students presented an impressive array of programs. The celebration was then concluded by a music show, which was followed by a DJ party performed by Rhythm gang. They hummed to the tune of evergreen songs with us and the DJ performance was astonishing .The College Union of AISAT, a group of Class representatives and Arts representatives together with guidance of Prof. Neethu Elsa John coordinated the entire program.

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### FRESHER'S DAY





Every student eagerly awaits right from their time of admission for the most remarkable event of the college "Fresher's Day". The 9th of November 2022 was a memorable day in the life of every fresher of batch 11 of AISAT. The fresher's day was filled with excitement, joy, music, enthusiasm, laughter, and happiness.

token of gratitude for his blessed presence throughout his service moments and a vote of thanks by the Arts secretary.

as Manager at AISAT for the past five and a half years. The programs were structured into various events such as colorful dances performed by seniors of all departments, and musical bands performed by the college band and mechanical engineering seniors. The activities included exciting tasks which were given to the The events started with a welcome to freshers by giving a small freshers by seniors. Entertainment events including departmenttoken of love in the form of little toffees. The event kickstarted at wise tasks and performances were showcased on a stunning plat-9.45 am. Followed by the introduction and procession, a heart- form that included LED screen support and a surround sound touching farewell was organized by the students and college union system. The program concluded at 4.50 pm with the final dance for Rev.Fr. Denny Peringatt with a cake-cutting ceremony as a where the entire college participated in enjoying the pure bliss

## KAIZEN-'22



Department of Mechanical Engineering coordinated Kaizen'22 a Faculty Development Program on 30th September and 1st October. After the inaugural ceremony of Kaizen'22, Mr. Baiju PAM mentored all faculty of AISAT on topic "Make an impact as a Mentor". In the evening session of first day of Kaizen'22, staff meeting was attended by all faculty, lab staff & office staff . Second day of Kaizen was dayout for all staff of AISAT. The gathering was conducted at a resort in Angamaly named 'The Village'. The yummy food, funny games & cultural programs were enjoyed by all.

# Solar Ironing Cart



In order to reduce the high energy consumption while ironing dresses, a solar-based ironing press using glow plug was developed by the S7EEE students Ashil George, Jifin K Raphael, Srinath MR and NJ Anjali, under the guidance of Dr.Linss T Alex. The solar iron in the vehicle runs on solar energy during the day time and stores the surplus in the battery. It takes about 3 hours to charge the battery. It runs on energy stored in the battery during night time. This bicycle cart can be used for other personal purposes as well, after disconnecting it from the cart .The Project launch was inaugurated by the Manager Rev.Fr.Denny Mathew Perigatu on 29.10.2022 at 01.30pm at AISAT A Block.

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# **Department Organised Events**

### Session on 'Soft Skills for Engineers'



The Department of Electrical and Electronics Engineering in association with the Placement and Training Cell, AISAT organized a session on 'Soft Skills for Engineers" on 24th November 2022. speaker of the session was Dr. Sivaji Chakravorti, Professor,

Department of Electrical Engineering, Jadavpur University, who started the presentation .The interaction started with a selfintroduction by the resource person followed by each faculty member. He told that The National Institutional Ranking Framework (NIRF) ranked Jadavpur University at 11th among engineering institutes in India in 2022, 12th overall, and 4th among universities. He mentioned that industry-academia partnerships should be encouraged more than ever before in today's fast-changing corporate and education sectors. He discussed the recent trends in electrical engineering courses. He also pointed out the need for expertising soft skills in the engineering profession. There was also a told that he will inform later about that.

The session on "Soft Skills for Engineers" started at 3.30 pm. competition. Students from all departments of AISAT participated in the session.

#### Talk on "Industrial MEP V/S Electrical CAD"

A talk on "Industrial MEP V/S Electrical CAD" by Mr.AkhilBabu,CAD Engineer, was conducted on behalf of Electrical and Electronics Engineering in association with LUMINA on 15-12-2022 at 11.00am .The resource person explained in detail about the Electrical CAD with an Electrical drawing of a building and he pointed out that Electrical CAD is primarily used as a drawing tool, while Industrial MEP is a robust design and documentation platform. He also added that in the construction world, MEP stands for "mechanical, electrical and plumbing. The session was very useful for the students to start their career in automation.Mr.Ashil George P.G from students side gave a concluding remarks. Session came to an end by 12.30 pm.

#### A talk on "Automation and BMS"

Assistant Engineer, IPCS was conducted on behalf of Electrical and based control system that needs to be installed within buildings to bearers

monitor and regulate the building's electrical and mechanical equipment such as power system, lighting, and ventilation to confirm sustainability.

### **MECH CRAFT**`22



Department of Mechanical Engineering in association with IEI and FLAME organized MECH CRAFT'22, an All Kerala B.Tech Project Competition on 6th October. Dr. Linss T Alex, Mr. Aswith R Shenoy, Model Engg College and Dr. Ramadas T were the judges for the project competition. Mr. Gregory James and team from Muthoot Institute of Technology & Science bagged first position with a cash discussion on Department Advisory Committee membership and he prize of Rs.10000/- & an ever-rolling trophy sponsored by IEI Kerala chapter. Mr. Jaison Joseph was the coordinator for the project

### "How to get start-up ideas"



Conducted an expert talk on "How to get startideas" on October. Prof. Kuriakose Thundiyil delivered an inspirational lecture on October 20, 2022. Program hosted b y Mechanical Engineering

Association FLAME. Around 65 Mechanical Engineering students were a part of the event. He introduced the different aspects of entrepreneurship and emphasized that great idea is just one ingredient in a recipe for business start-up.

#### Bienvenue – Introduction to FLAME

A talk on "Automation and BMS" by Mr.AjayRosh,Operations Organized an orientation program "Bienvenue - Introduction to FLAME" under the leadership of Mr. Jaison Joseph on 27th October, Electronics Engineering in association with LUMINA on 16-12-2022 2022. The major objective of the programme was to make the at 11.45am .The resource person explained in detail about the students aware of the academic aspects of the course, the rules and automation software's used in the current system and he pointed out regulations of the institute and to ensure the performance and that building management system (BMS) refers to a computer- progress of students. The event was organised by the FLAME office

# **Department Organised Events**









#### ROLE OF PROFESSIONAL BODIES IN CIVIL ENGINEERING

#### Speakers

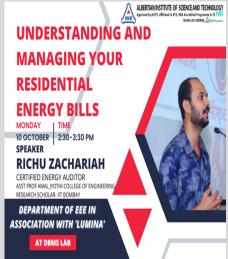
Mr. Muhammad Rasal K A President, ICI Students Chapter

Ms. Evangela Henry Leader, Standards Club

Thursday 24 Nov Time 3,30 pm Venue A 220

Department of Civil engineering in association with STANDARDS CLUB (BIS), ICI & ACEA



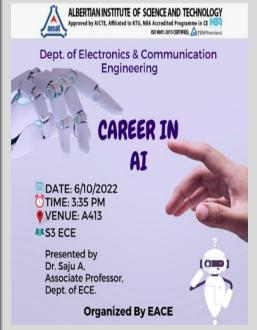




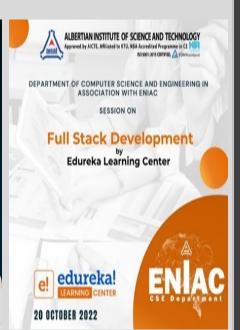


in association with LUMINA









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# **NSS Activities**



# **IEEE Activities**







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## **Placement Cell News**

#### Ms. Nevin George (CSE), Ms. Neha Ann Shibu (CSE) and Ms. Sanjana Valsaraj (EE) got placement offers from TCS with CTC of Rs. 4.88 LPA.

- Ms. Anjana R. (CSE), Mr. Boniface Noel (ECE), Ms. Suhana K Ubaide (ECE), Ms. Natasha K George (CSE), Ms. Aleena Carolin (CSE), Ms. Annet Maria Cyriac (ECE), Mr. Saurav Sujith (CSE) and Ms. Anaya Babu (CSE) got placement offers from IBS Software with CTC of Rs. 3.6LPA
- External placement training for two days was conducted by 'Sharp skills', Trivandrum for 2019-2023 batch eligible students on 25th and 26th November 2022 from 8:45 am to 4:30 pm
- Asst. Professor Jibin Jose (Dept. of ME) represented AISAT P&T cell at the Inauguration ceremony of 'NDZ and Techmindz' on 28-11-2022 in Carnival Infopark Phase-1, Kakkanad Kochi.
- ♦ A session on 'Soft Skills for Engineers' was conducted on 24/11/2022 at Einstein hall. The session was handled by Prof. Dr. Sivaji Chakravorti, former Director, NIT Calicut.

#### List of students placed in Sutherland Global with CTC of 2.5 LPA;

- ♦ CSE-- Ms.Shahanas Sha, Ms Gayathri Suresh, Mr. Richard Kooran George, Mr. Ron Mathew Jo, Ms.Ajeesha T A, Mr. Alen Varghese Alexander, Mr. C. Hari Manoj Kumar, Mr. Daison C A., Mr. Geo George K.,Mr. Allen Anand,Navaneetha CSR, Ms. Ajana Thomas, Ms. Ancy Paiva, Ms. Fathima Sidhic, Ms. Fathima Farsana V S, Diya P S, Ms. Tania N D, Sumi S, Mr. Aswin Animon, Mr. Sanjay P Nishad, Ms. Vaishnavi TJ, Mr. Aravind S Menon, Fivil Mary, Mr. Muhammed Ashique M S, Mr. Adarsh T D, Mr. Aab El Roy and Mr. Antony Varun Francis.
- ♦ ECE-- Ms.Athira Rajesh, Mr. Cris Maria Shaji, Ms. Serene Roy, Mr. Joshmon Shaji, Harikrishnan Anandan, Abiyud Tom, Ms. Varsha R, Ms. Smiya M S., Dilruba Aleema, Ms. Athira C R.,Mr. Savanth P.S., Ms. Camalin Tressa Rodrigues, Ms. Linander Justin, Mr. Joseph Renil K.M., Ms. Rincy Varghese, Mr. Farjaad Zafar and Mr. Samuel Antony
- ◆ CE-- Ms. Sandra M S., Ms. Dona Herald, Mr. Austin Severinus Basil,Ms. Evangela Henry, Ms. Namitha Tomy, Ms. Twinkle M J, Jisa M J, Ms. Nabeesathul Misiria, Ms. Farhana A S, Ms. Mariya Rose, Ms. Jinu Jacob, Ms. Aarcha S, Ms. Nandana M. S, Mr. Tejus Nelson, Ms. Meenu Krishna, Mr. Nihad K Abbas, Ms. Raina Serin and Mr. Muhammad Rasal KA
- ME--Mr. Rohith Titus ,Mr. Augustine Nigil, Ms. Mariya Shaiju, Mr. Edwin Joshy, Mr. Mehul Vinayak Anil and Mr. Abinav Suresh
- ♦ EEE--Mr. Ashil George P G. Mr. Jifin K Raphael, Ms. Femy Stanley, Ms. Liyan S V, Mr. Basim Jauhar Abdul Rashid, Ms. Aleena Biju, Mr. Sreenath M R and Ms. Jesna Jaleel .
- ♦ TERAWE TECHNOLOGIES with a CTC of Rs.4 LPA;

ECE-- Ms. Serene Roy

EEE-Mr. Jiffin K Raphel

CSE—Mr. Hari Manoj Kumar, Mr. Sharon Job, Ms. Fathima Farsana

#### ♦ 6-D Technologies with a CTC of Rs. 3.5LPA

ECE-- Ms. Annet Maria Cyriac

CSE-- Ms. Anjana R, Ms. Neethu CJ, Mr. Rahul Krishnan, Mr. Rezon Thomas Philip and Mr. Roshan Jishad Mecheril

♦ QUEST GLOBAL with a CTC of Rs. 3.25LPA

ECE-- Ms Athira Rajesh

CSE-- Mr. Ron Mathew Jo and Ms Diya PS

## **News From Students**

- Basim Jauhar Abdul Rasheed, Neeraj Hari, Anjali N J, Sanjana Valsaraj and Arjun Shaji of S7EEE served as the volunteers for 5th National Energy Congress 'ENCON 2022' organized by Energy Conservation Society from 12.12.2022 to 14.12.2022 held at A.P Kurian Memorial C.S.A hall Angamaly.
- Ashil George P G, Jifin K Raphael, Aldrisen George Mendez, Femy Stanley, Shaun George, Sreenath M R, Jesna Jaleel and Sradhamol K.S of S7EEE were served as the volunteers for KREEPA Green Power Expo-2022 from 10/11/2022 to 12/11/2022 at Bolgatty Palace, Kochi.
- Ashil George P G and Jifin K Raphael were served as the volunteers for 3 Day National Workshop 'Green Hydrogen Pathways to Sustainable Future' from 15.11.2022 to 17.11.2022 at Bolgatty Event Centre, Ernakulam.
- ♦ Aldrisen George Mendez participated in the event District level KSEBOA Power quiz on 24/11/2022.
- ♦ Farzeen Ahammed K A participated Problem Solving in the Real World organized by NIT Calicut on 22-10-2022.
- Steny Raphy participated in the Black Belt Karate Girls, category of OKINAWAN BUDO CUP organized by Okinawa Shorinryu Karatedo Kyudokan Federation of India, and has secured First place on 29th January 2023.
- Boniface Noel, Suhana K Ubaid, Annet Maria Cyril, Athira Rajesh and Savanth P S Completed NPTEL MOOC course on CMOS Digital VLSI Design from IIT Roorkee.
- Boniface noel secured first prize in Project presentation IGNUS organized by IEEE RFID council of Kerala Section.
- Mr. Antony Varun Francis (Batch 8) won the first prize in state yogasana championship 2022-23 organized by Kerala Yoga association on 04/12/22.
- Mr. Ritesh Chhteri (Batch 9) won the first prize in PIE.PY codding contest conducted by IEEE SB AISAT on 04/12/22.
- Mr. Daison C A (Batch 8) successfully completed NPTEL Online Certification in "Digital Circuits".

# **News from Faculties**

- Dr. Benny Mathews Abraham published a paper tiltled Studies on the Performance of Under reamed Piles in Sandy soil through Model Tests In ICACE 2022 on 20-22nd December, 2022.
- Dr. Benny Mathews Abraham published a paper tiltled Utilisation of Brine Sludge to improve the strength and compressibility characteristics of Soft Clay in IGC 2022 on 15-17th December, 2022.
- Prof. Jerin Joseph and Prof. Sheeja M K published a paper tiltled Stability Analysis of an unstable slope at Kanjikuzhi, using GEO5 software IGC 2022 ,held at Kochi on 15-17th December, 2022 .
  - Prof. Jerin Joseph published a paper tiltled Comparative study on the uplift capacity of single helix helical anchor and granular pile anchor in sand, IGC 2022 ,held at Kochi on 15-17th December 2022.
  - Prof.Aiswarya Anil published a paper tiltled comparative Study on stability of Kootickal slopes during 2021 landslides by means of GeoStudio and Plaxis 2D,IGC 2022 ,held at Kochi on 15-17th December 2022 .

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# **News from Faculties**

- ◆ Dr.Linss T Alex attended FDP on Design and Development of Industry led Curriculum in Technological Era at AMET University from 14/12/2022 to 22/12/2022
- ◆ Dr. Leena T Timothy attended FDP on NAAC Accreditation ◆ Procedures and Processes at Ahalia School of Engineering and Technology from 12/11/2022 to 13/11/2022.
- ◆ Dr. Leena T Timothy ,Prof. Stephy Mathew,Prof. Anitha Shaju, Prof.Thomas Felix, Prof.Thara Jose,Prof. Annie Bincy attended FDP on Design and Development of Industry led Curriculum in Technological Era at AMET University from 14/12/2022 to 22/12/2022.
- ◆ Prof. Thomas Felix attended KPIT Sparkle Awareness program at Rajagiri School of Engineering and Technology on 12.10.2022.
- ◆ Dr. Linss T Alex coordinated and conducted Power Quiz 2022 in association with Kerala State Electricity Officers Association (KSEBOA) on 20/10/2022
- ◆ Prof. Thomas Felix coordinated district level power quiz by Kerala State Electricity Board Officers Association on 24.11.2022
- Dr. Neenu Joseph & Prof. Tubin T X attended FDP on Microwave Design and Simulation at MITS.
- ◆ Dr. Neenu Joseph ,Prof. Reshma Mary Jose, Prof. Vishnu Prasad,Prof. Pearl Antonette Mendez,Prof. Ambily Joseph,& ◆ Prof. Milna M J attended FDP on Development on Recent trends in image and signal processing at Government Engineering College, Palakkad.
- Prof. Anu Antony has completed NPTEL online certification occurse on Accreditation and outcome-based Learning with Elite with Gold score.
- ◆ Prof. Sonu K V has completed NPTEL online certification ◆ course on" Accreditation and outcome-based Learning" with Elite with Silver score.
- ◆ Dr. Neenu Joseph has completed NPTEL online certification course on" Accreditation and outcome-based Learning" with ◆ Elite score.
- ◆ Dr. Neenu Joseph has completed 12 weeks NPTEL online certification course on" Digital Electronics" with Elite score.
- Prof. Tubin T X has completed NPTEL online certification course on "Basics of Software Defined Radio" with Elite score.
- ♦ Prof.Milna M J successfully completed NPTEL online certification course on Analog Communication.
- Prof. Paul Ansel V Selected as the Vice Chair of IEEE Kochi Sub-section.
- ◆ Dr. Neenu Joseph was reviewer of the paper titled "Low-cost system transmitting and receiving data by 433 MHz wirelessly for educational purpose" for the Journal of Engineering ◆ Research and Report.
- ◆ Prof. Reshma Mary Jose Received letter of appreciation from GTT foundation for the laurels brought in the last successful years in the field of Placement, Skills Development, and Employability
- Prof. Ambily Joseph Received Letter of Appreciation for the instrumental role in local SPOC from NPTEL.

- Prof. Ambily Joseph Received Letter of Appreciation for organizing Awareness E workshop on NPTEL courses
- Prof. Paul Ansel V handled a session on Signals and Systems, DSP fundamentals and DSP algorithms using MATLAB in the 5 day STTP on fundamentals of Embedded Systems, Scientific computing and DSP A hands on approach at SJCET Pala.
- Prof. Paul Ansel V were handled a session on Art of Learning for first year students on 20.10.2022.
- Prof. Paul Ansel V Served as the resource person as a part of Induction program to first year B.Tech and Integrated M.Sc Students on 25.10.2022. The topic was Learning Skill.
- Prof. Vishnu Prasad S. of ECE served as resource person in St.Peter's College, Kolenchery on 14.12.22 organized by Department of chemistry and energy conservation cell in association with IQAC
- Prof. Paul Ansel V served as Judge for project competition held at Choice school on 02.12.2022.
- Prof. Dr. Jeswin Roy Dcouth attended FDP on Processing and Security of Digital Images at NIT,Patna from 05/12/22-9/12/22
  - Dr. Jeswin Roy Dcouth, attended conference on "Transformation Tour - Accelerating IT Transformation for New India" at Marriott, Kochi organized by Dell Technologies and Indian Express Group.
- Dr. Jeswin Roy Dcouth reviewed the paper titled "Intelligent Override Adaptive Traffic Signal Controller" for IEEE sponsored conference IPRECON '22 on 05/11/22.
- Dr. Jeswin Roy Dcouth, reviewed paper titled "Drone Detection using Ultrasonic Sensors for Passive Forward Scattering Radar System" in 4th International Conference on Emerging Electrical Energy, Electronics and Computing (ICE4CT 2022).
  - Dr. Jeswin Roy Dcouth reviewed the paper titled "Automatic Detection And Categorization Of Skin Lesions For Early Diagnosis Of Skin Cancer Using Yolo-V3 Dcnn Architecture" in Concurrent Engineering: Research and Applications Journal (Indexed in SSCI, DOAJ, ERIC, and SCOPUS) by SAGE publications.
- Dr. Jeswin Roy Dcouth successfully completed AWS training and certification on Amazon Virtual Private Cloud (AVPC) on 14th October 2022.
- Dr. Manoj Jose Kalathil participated in Utkarsh'2022, IIT Palakkad Technology iHub Foundation on 29th September.
- Asst. Prof. Kuriakose V Thundiyil served as the resource person for a session on "How to get Start-up Ideas" at MGM College of Engg & Pharmaceutical Sciences, Valancherry on 7/10/22.
- Prof. Jaison Joseph attended an IEDC training at Kerala Startup Mission, Kalamassery on 2nd & 3rd December.