



FISAT®
**FEDERAL INSTITUTE OF
SCIENCE AND TECHNOLOGY**
AUTONOMOUS



Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University

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FISATian HERALD

VOL 13 | OCT - DEC 2025



VISION OF THE INSTITUTE:

To evolve into a world-class professional institute committed to excellence in education, fostering holistic development, and empowering socially responsible global technocrats to drive sustainable growth through leadership in industry, innovation, research, and community engagement.



MISSION OF THE INSTITUTE:

- 1 To deliver high-quality professional education that promotes academic excellence, fosters the right attitude, cultivates essential skills, and encourages innovation and global competence through an industry-aligned curriculum and advanced research.
- 2 To nurture socially responsible technocrats, impactful leaders, and accomplished management professionals, by promoting holistic growth, upholding ethical values, and championing sustainable practices for the advancement of both industry and society.



Academic
Excellence



Innovation
& Research



Ethics &
Leadership



Sustainability
& Community

An Initiative of Federal Bank Officers' Association Educational Society



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FISAT Receives ISTE Best Emerging Technical Institute Award

FISAT has received the “Best Emerging Technical Institute of India” award presented by Indian Society for Technical Education (ISTE), New Delhi. The award was distributed by Dr Satypal Singh, former Union Minister for Education & former Mumbai Police Commissioner, during the 55th ISTE National Faculty Convention held at Sree Manakula Vinayagar Engineering College, Pondicherry. Vice Principal Dr. Mini P.R. and ISTE FISAT Chapter secretary Dr. Asha Joseph received the award on behalf of FISAT.



EXCELLENTIA 2025

(FISAT) has been honoured with the Minister's Excellence Award (EXCELLENTIA 2025) in recognition of its outstanding performance as one of the top institutions in Kerala, with all its academic programmes accredited by the National Board of Accreditation (NBA). The award was received by Dr. Harish T. M and Dr. Sumayya Naznin P H from Dr. R. Bindu, Hon'ble Minister for Higher Education and Social Justice, during the Kerala Technical Education Enhancement Summit (KTEES 2025) held at Tagore Theatre, Thiruvananthapuram.



SCIQUEST 3.0

The All-Kerala Inter-School Science Quiz organized by the Department of Science and Humanities, FISAT on October 11, 2025, witnessed the participation of 240 teams from across Kerala. The quiz master was Dr. R. Tharanath, Aquinas College, Edakochi.



FISAT Leads Pond Restoration Initiative

FISAT completed the restoration and beautification of Pandiyepally Chira (pond) with an investment of ₹15 lakhs, reaffirming its commitment to social responsibility. Owned by the Mookkannoor Panchayat, the renovated pond was inaugurated by Angamaly MLA Mr. Roji M. John, with the function presided over by Panchayat President Mr. Bivish K. V. and attended by FISAT Chairman Mr. P. R. Shimith as the guest of honour.

The project transformed the pond into a public utility with steel railings, steps, a walking path, emergency slopes, and plantation of fruit trees and flowering plants, enhancing safety, recreation, and ecological value. The event was attended by local representatives, college leadership, and officials, marking a successful academia-community initiative.



SWAN Club Observes Wildlife Week

As part of Wildlife Week, SWAN Club, FISAT organized an oath-taking ceremony for wildlife protection awareness on 8 October 2025, followed by the screening of the documentary. The Elephant Whisperers. The programme was attended by student volunteers, SWAN Club faculty coordinators, Dr. Unni Kartha G, Dean Academics, and Dr. Mini P R, Vice Principal, who emphasized the importance of conservation and responsible coexistence with nature.



SWAN Wildlife Photography Contest

The SWAN Club, FISAT conducted the Frame the Wild Wildlife Photography Competition to promote awareness on wildlife and nature conservation. Krishnadev L (S3 CSE B) secured the first prize, followed by Niel John (S6 ME B) with the second prize. Kudos to winners!

FISAT Team Shines at IIT Madras Residential Student Workshop

A team from FISAT participated in the Residential Student Workshop (RSW) held at IIT Madras from 4–6 December 2025. The team comprised Sheethal S. Edakkara (S6 CE), Amal Babu (S6 EEE), Fathima Noushad N. (S4 CE), and Mohammed Mohsin U. A. (S4 EEE), selected through the TINKATHON conducted on 25 October 2025. As part of the PALS programme, RSW provided hands-on design sessions and expert-led lectures. The FISAT team showcased strong teamwork and problem-solving skills, winning prizes in the design competition and reflecting the institution's focus on innovation



'Day to remember' and 'My Buddy'

On 29 November 2025, NSS cadets organized a programme titled "Day to Remember" and "My Buddy" at Aluva Town Hall in collaboration with Stallions International, Aluva. The event enabled meaningful interaction with differently-abled students, promoting empathy, inclusion, and memorable shared experiences for both participants and volunteers.



Sapthadhina Sahavaasa Camp

The NSS Special Camp was conducted from 23–29 December 2025 to promote social responsibility, leadership, discipline, and a spirit of service among volunteers. Activities such as cleanliness drives, awareness sessions, field surveys, and cultural programmes fostered teamwork, community engagement, and personal growth, making the camp a meaningful NSS experience.



Celebrate Christmas with Joy and Unity

FISAT NCC cadets celebrated Christmas on 18 December 2025 on campus in the presence of the Principal, Dr. Jacob Thomas, who shared a Christmas message highlighting love, peace, and togetherness. The celebration included carol songs, games, and cultural programmes, creating a joyful atmosphere and strengthening camaraderie among the cadets.



CPR Training Programme for NCC and NSS Cadets

A CPR Training Programme was conducted for NCC and NSS cadets on 29 October 2025 by the Mookkannoor Government Primary Health Centre. The session focused on imparting essential life-saving skills, including cardiopulmonary resuscitation techniques and basic emergency response. Health professionals from the PHC demonstrated practical methods and engaged the cadets in hands-on practice, enhancing their preparedness to respond effectively during medical emergencies. The programme strengthened awareness on the importance of timely intervention and community health responsibility among the cadets.



First South Indian NCC Republic Day Parade Contingent Commander Dr. Oommen Mammen Motivates FISAT Cadets

An inspiring interactive session by distinguished NCC alumnus and the first South Indian Contingent Commander of the NCC in the Republic Day Parade, Dr. Oommen Mammen, Director of Mar Baselios Christian College of Engineering and Technology, who motivated FISAT NCC cadets on 31 October 2025.



FISAT NCC Cadets Join Nava Kerala Sannadha Sena

FISAT NCC cadets have joined the Nava Kerala Sannadha Sena, contributing their services to this noble volunteer initiative of the Government of Kerala. By becoming part of the Sannadha Sena, the cadets reaffirmed their commitment to social responsibility, community service, and nation-building.

FISTAAALUMNI DAY 2025

FISTAA Alumni Day 2025 was celebrated with great enthusiasm on 20th December 2025 at the Federal Institute of Science and Technology (FISAT). The event was organized by the FISAT Alumni Association (FISTAA) to strengthen alumni engagement and foster lasting connections with the institution. The event witnessed the participation of around 150 alumni along with their families, making it a vibrant and memorable reunion.



Lt Dr. Prasad J C Honoured by NCC Group Headquarters, Ernakulam

Lt Dr. Prasad J C, Associate Professor in the Department of Computer Science and Engineering and Associate NCC Officer (ANO) of FISAT, has been honoured by the NCC Group Headquarters, Ernakulam, in recognition of his outstanding service and contributions to NCC activities at the institution. The memento was presented by Group Commander Cmde Jose Vikas at a function held at the Group Headquarters, Ernakulam, on 17 October 2025.



FISAT NCC Cadets Volunteer for Election Duty

FISAT NCC cadets volunteered for Election Duty on 8 and 9 December 2025, supporting the smooth and disciplined conduct of the electoral process. The experience enhanced their sense of civic responsibility, discipline, and service to the nation in line with NCC values.

FISAT NCC Cadets Participate in Global Meditation Day

FISAT NCC cadets participated in the Global Meditation Day observance on 21 December at 8:00 PM by joining an online meditation programme. The session emphasized mental well-being, self-discipline, and harmony, aligning with NCC values and promoting a calm and focused mindset.

ASCEND

FISAT AICTE IDEA Lab conducted a 3 day rehabilitation program for mentally challenged individuals around Mookkannoor. IDEA LAB faculty team identified 5 beneficiaries from Buds school of Mookkannoor Panchayath along with an alumnus for this event during December 3rd to December 5th. Objective of this event was to empower participants with practical skills in design and prototyping, to introduce entrepreneurial opportunities for self-reliance and to provide hands-on exposure to modern tools and technologies.



National Unity Day Celebration

Under the leadership of Circle Inspector Sri. Ramesh A and Dr. Jacob Thomas, Principal, FISAT, the Run for Unity was organized as part of the National Unity Day celebrations on 31 October 2025. Staff members, students, police officers, and NCC cadets enthusiastically participated in the event.



National Conference on Graph Theory and Its Applications

The Department of Science and Humanities conducted The National Conference on Graph Theory and Its Applications (NCGTA '25) on November 14, 2025. The keynote speakers were Dr. Sudev N. K. (Professor, Department of Mathematics, Christ Deemed to be University, Bangalore) and Dr. Aparna Lakshman (Professor, Department of Mathematics, CUSAT). Dr. Sudev N. K. inaugurated the conference, presided by Chairman Mr. Shimith P. R. Felicitation were delivered by Dr. Aparna Lakshmanan, Principal Dr. Jacob Thomas V., Vice Principal Dr. Mini P. R. and Dean (Academics) Dr. Unni Kartha G. 4 online and 3 offline papers were also presented and the Best Presentation Award was also presented.



FISAT Wins Best Institute Award for National Road Safety Month 2025

(FISAT) has received the Best Institute Award for the observance of National Road Safety Month 2025, in recognition of the impactful Road Safety Programme and competitions conducted by the Industry Institute Interaction Cell (IIC) in association with the Road Safety Cell of FISAT, as per the directions of the Directorate of Technical Education (DTE). Based on the report submitted, the award was jointly conferred by DTE and NATPAC [National Transportation Planning and Research Centre] and was received by Dr. Harish T. M [IIC Cell Nodal Officer] and Dr. Summayah [Road Safety Cell In-charge] from Dr. Sharmila Mary Joseph, IAS, Principal Secretary, Department of Higher Education, during the Kerala Technical Education Enhancement Summit (KTEES 2025) held at Tagore Theatre, Thiruvananthapuram, on 23 October 2025.

In addition, FISAT students achieved state-level accolades in various competitions: Nihil Satheeshan (ME) – Logo Creation, Ananjan Vijay (CSD) – Painting/Mural Art, Theressajamma Biju (MBA) – Photography, and Nevedh S (CS) – Slogan Creation.



Technical Talk on “Renewable Energy: Pathways to a Sustainable Future and the Role of ANERT”

A technical talk was conducted by the Department of Science and Humanities in association with REPCOS on Renewable Energy: Pathways to a Sustainable Future and the Role of ANERT” by Mr. Manu M Venu, District Engineer, ANERT, Ernakulam. The talk provided a broad, accessible overview of renewable-energy pathways with a particular focus on solar technologies and the role of government organisations — notably ANERT — in promoting adoption, policy, and community outreach.



Webinar on behalf of National Mathematics Day

The Maths Club, FISAT, under the Department of Science and Humanities, organized an academic webinar on “Mathematical Modelling” by Dr. Rahul Rajan, Assistant Professor, Government College, Kasaragod on 17th December 2025 as part of the National Mathematics Day celebrations. The programme was organized to create awareness among students about the importance of mathematics in real-life problem solving and to highlight the role of mathematical modelling in various disciplines such as science, engineering, economics, and social sciences.



DGPS workshop by CE Dept

On 15 October 2025, the Department of Civil Engineering, FISAT, in association with the ACE and BAI Student Chapters, organized an expert talk on “Precision in Positioning: DGPS Applications in Civil Engineering” for civil engineering students. The session was delivered by Mr. C Pramod from Survey Zone, who explained the principles, applications, and significance of DGPS technology in achieving high-precision surveying and infrastructure development. The programme was coordinated by Ms. Abhiya Abbas Mundol, Assistant Professor, Department of Civil Engineering, FISAT.



BRIDGE-A-THON winners!

Congratulations to Aadisankar K S, Fathimathul Shifa P K, Emmanuel Jeevan, and Allen D Paliakara of S1 CE(2025 admission) for securing victory in the “Bridge-a-thon” competition conducted as part of Arcane 2.0, the technical festival organized by the ISTE Student Chapter on 25 and 26 September 2025 at the FISAT campus.



UYARE'25

The department organized UYARE'25, an alumni interaction programme, on 25 November 2025 for Civil Engineering students, aimed at bridging the gap between campus life and professional practice. Alumni from the 2025 batch—Arya S, Anagha Krishnakumar, Sona S, Aleena Shaji, Ankita Kalyani S, Jasmin Joy, Rudra Shaji KV, Keerthana Biju, Uthara, Joshual Joy, and Mohamed Althaf—shared their early career experiences and insights on industry expectations, placements, higher studies, and skill development. The programme was coordinated by Ms. Rinu J Achison, Assistant Professor, Department of Civil Engineering, FISAT.



Rising Innovator

Ms. Somya Goswami, S3 CE 2024B, was recognized as an Outstanding Talent and Innovator at the Talks India Conclave held at CMS College, Kottayam on 15 November 2025. She received the award from Aswathy Thirunal Lakshmi Bai, marking a proud moment and reflecting the creativity and innovation of our students.



AutoCAD Competition Achievement

Somya Goswami (S4 CE 2024B) secured the Second Prize in the AutoCAD Christmas Tree Drawing Competition conducted by the Indian Concrete Institute (ICI) AISAT Student Chapter (Albertian Institute of Science & Technology, Kalamassery).



Online Certification Achievers from CE Dept

A total of 39 Civil Engineering students successfully completed various NPTEL online certification earning distinctions in core and emerging areas of civil engineering. The details of students who received Elite+Silver, and Elite+Gold are given below. Also, 5 students from S3 CE and 10 students from S7 CE earned Elite certification in various courses.

Student Achievers

Student name and batch	Course title	Certification
Jyothikrishna P J (S5 23CEB)	<i>Building Materials as a Cornerstone to Sustainability</i>	Elite+Gold
Meenakshy M A (S5 23CEB)	<i>Building Materials as a Cornerstone to Sustainability</i>	Elite+Gold
Kevin Abraham (S5 23CEB)	<i>Building Materials as a Cornerstone to Sustainability</i>	Elite+Silver
Krishna Naveen U (S5 23CEB)	<i>Building Materials as a Cornerstone to Sustainability</i>	Elite+Silver
Shan Ahmed Shamseer (S5 23CEB)	<i>Building Materials as a Cornerstone to Sustainability</i>	Elite+Silver
Amna Fathima S (S7 22CEA)	<i>Introduction To Engineering Seismology</i>	Elite+Silver

Faculty Achievers

Faculty name	Course title	Certification
Ms. Nincy Jose	<i>Design of Concrete Structures(NPTEL)</i>	Elite+Silver
Ms. Rinu J Achison	<i>Fluid mechanics (NPTEL)</i>	Elite+Silver
Ms. Lidiya P	<i>Fluid mechanics (NPTEL)</i>	Elite+Silver
Ms. Rajalakshmi T R	<i>Computational Geomechanics (NPTEL)</i>	Elite

Ms. Abhiya Abbas Mundol	<i>Remote Sensing and GIS (NPTEL)</i>	Successfully Completed
Ms. Anna Rose Varghese	<i>Fundamentals of Geographic Information System (Geological Survey of India Training Institute, Hyderabad)</i>	A grade
Ms. Keerti Sabu	<i>Fundamentals of Geographic Information System (Geological Survey of India Training Institute, Hyderabad)</i>	B+ grade

Talk on “Research and Publication Essentials”

KBAIC-FISAT (Kerala Blockchain Academy Innovation Club-FISAT) organized an invited talk on “Research and Publication Essentials” with Mr. Basil K Jeemon Assistant Professor, Department of ECE as the resource person on 17/10/2025. The session provided an awareness about the importance of research and guided students through the process of transforming innovative ideas into publishable academic work.



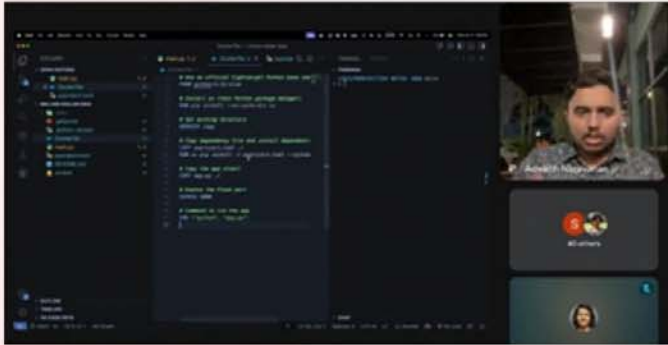
Talk on “Sprint Smart: Powering Projects with Agile & JIRA”

KBAIC-FISAT organized an invited talk on “Sprint Smart: Powering Projects with Agile & JIRA”, with Mr. Doni Cherian (Senior Associate, Management Consulting, PwC, Germany) as the resource person on 21/10/2025. This session explored how Agile methodologies and JIRA tools transformed the way software projects are planned, tracked, and delivered. Students gained insights into Agile principles, Scrum practices, and hands-on project management techniques using JIRA.



Talk on “Scrum Stories: Simplifying Docker and Containers”

KBAIC-FISAT organized an invited talk on “Scrum Stories: Simplifying Docker and Containers” with Ms. Agnes Shibu (Software Developer, IBM) and Mr. Advait Narayanan (Software Developer, IBM) as the resource persons on 22/10/2025. This session introduced the fundamentals of Docker and containerization through the lens of Agile and Scrum practices.



Hour of Code'25

A workshop on “Prompt Engineering in AI” was organized by the ACM Student Chapter, FISAT on 11th of December, 2025, at Government High School, Mookkannoor, for students in classes 8 and 9. The event introduced students to Prompt Engineering in AI, fostering innovation and interactive learning in coding.



Workshop

KBAIC-FISAT (Kerala Blockchain Academy Innovation Club-FISAT) organized an online workshop on Blockchain and Ethereum Fundamentals with Ms. Sumi Maria Abraham (Research & Development Engineer, Kerala Blockchain Academy (KBA)) as resource person on 4th December 2025. This workshop introduced the students to the core concepts of blockchain technology, smart contracts, and the Ethereum ecosystem.



Internship at NeST

As part of a collaboration with NeST, 40 students from S4 CSE completed their internship in the Angular framework at NeST facility, Infopark, Kakkanad, in December 2025.



Celebrating Excellence in University result

Mr. Nevin Binu (S3 CSE-C) secured 10.00 SGPA in Second Semester B.Tech Degree Examinations, May 2025. He holds 10.00 SGPA in S1 also.



Appreciation for high score in the PALS ANALYSE Case study

Mr. Muhammed Ashmil Kurikkal, S4 CSD (a member of Team Autonimbus) earned special appreciation for achieving a high score in the PALS ANALYSE program under the IT category for their innovative project titled 'Optimal Cloud Server Configuration Advisor'.



HTML5 Application Development Course

Ms. Jishna N V (Assistant Professor, CSE) has successfully completed the certification requirements for HTML5 Application Development.



Patent Granted

Mr. Noble G, Assistant Professor (Special Grade), has been granted a patent by the Department of CSE for his innovative IoT-based Chair/Cot Usage Detector.



Minor Course Mini Project-Teaching app

The project team Dany Peter, Greeshma M, Nikitha Babu, Sajna S developed the minor course project entitled 'ProjectElevAid-Educational Android Application' under the guidance of Dr. Jyothish K John (Professor, CSE) and project coordinator Lt. Dr. Prasad J C (Professor, CSE), for the students of Buds Special School for Mentally Challenged, Udyogamandal.



Power Quiz 2025

Devadath S R secured First Prize in Power Quiz 2025 online edition conducted by KSEB Officer's Association on 6th November 2025.



Adjunct Faculty

Mr. Vishnumohan K has joined as an Adjunct Faculty of CSE dept. in December 2025.. He is an alumnus of FISAT (2011-15 CSE Batch).

Faculty Achievements

- Diya Gabral (MTech student, VLSI and Embedded Systems), Nimmy M Philip, Anoop E G, Deepa N R - Presented the paper titled "Optimized accuracy configurable Radix 4 adder with dynamic error recovery for low power computing" at the International conference on emerging trends in Signal Processing and computational intelligence (ICSPCI- 2025) held during Dec 3-5 ,2025 at Govt engineering college ,Kozhikode.
- Ms. Ambili A. R., Assistant Professor, Department of Electronics and Communication Engineering, received the Best Paper Award for the research paper titled "Hybrid Neural Architectures for Acoustical Context Feature Fusion in Indian Language Linguistics" at NCGTA-25, a National Conference organized by the Department of Science and Humanities, Federal Institute of Science and Technology (FISAT), Angamaly, on 14 October 2025.



- Jinan T., Mohith P., Minha Arif, Nandhana Johnson, and Ambili A. R. published a paper titled "A Comparative Evaluation of Graph Neural Network and Random Forest

Approaches for Efficient Fall Detection" at NCGTA-25, a National Conference organized by the Department of Science and Humanities, Federal Institute of Science and Technology (FISAT).

- A. R. Ambili, Jeslin P. Jo, Adithya Dileep, Arya S, Athira Ramesh, and Bhavana V. Nath, presented a paper titled "Voice-Activated Emergency Surveillance System," in 1st International Conference 2025 First International Conference of Advances in Engineering and Computing Technologies for Sustainable Development (AECTSD), Koyambathoor held during 11-13 Dec 2025
- A. R. Ambili, S. Sreelekshmy, Navya. Jose, Neena. J. Ukken, and Megha P. Chandran, presented a paper titled "Speech Emotion Recognition on Embedded Platforms: A Customized Device Solution, in 1st International Conference 2025 First International Conference of Advances in Engineering and Computing Technologies for Sustainable Development (AECTSD), Koyambathoor held during 11-13 Dec 2025.
- A.R Ambili, Christy Jose, Nivedhitha, Rita Roy, Sona Rasheed, Swathy S, (2025) published a paper titled 'Intelligent Automation of Garment Folding and Ironing Using Servo-Actuated Robotics' in the International Journal of Innovative Research in Technology (IJIRT), Volume 12, Issue 5 (ISSN: 2349-6002), pages 4000–4003.
- Elza George, A. J and S. Samiappan, published "Attention Subsumed Residual Dense Network for Reconstruction of Block Compressed Hyperspectral Images," in IEEE Access, vol. 13, pp. 200883-200904, 2025, doi: 10.1109/ACCESS.2025.3636569.
- Ms. Ambili A. R., Assistant Professor, Department of Electronics and Communication Engineering, has been included as a Technical Program Committee (PC) Member for the Fourth International Conference on Speech and Language Technologies for Low-Resource Languages (SLT-LRL 2025), scheduled from December 18–20, 2025, in Hybrid Mode, organized by the Indian Institute of Information Technology (IIIT), Kottayam, India.
- Ms. Ambili A. R., Assistant Professor, delivered a Hands-on Workshop titled "Build Your Digital Identity" on 10 December 2025, organized by the Internal Research Cell, ECE. The workshop was conducted as part of the initiative inspired by the Faculty Development Programme (FDP) hosted by IIT Ropar.



- Ambili A R, Assistant Professor ECE, completed Faculty Development Program – CBPAI: Capacity Building Program on Chalkboards to Chatboats faculty voyage in AI V2.0 hosted by the IIT, ROPAR from 20/11/2025 to 19/12/2025
- An external expert talk was delivered by Sreevishnu Damosdaran, AI Solution Architect TCS, on the topic “NEXT GEN DISASTER MANAGEMENT- Leveraging AI, ML and Generative AI for Safer Cities”. The talk was coordinated by Christy Jose, Deepa N R, Ambili A R and Pearlsy P V in association with the internal Research cell, ECE and ECHO.

Hobby Club Activities

- Mr. Basil K Jeemon delivered a talk on “Research and Publication Essentials” on 4th December 2025, organized by the Hobby Club, ECE.



- A two-day hands-on workshop titled “An Insight into Fundamentals of Machine Learning” was conducted on 16th and 17th December 2025 by the Hobby Club, Department of Electronics and Communication Engineering. The sessions were handled by Ms. Elza George, Assistant Professor (ECE), along with student facilitators Ms. Anagha P Girish (S8 ECE A), Ms. Chessa Jeese (S6 ECE A), and Ms. Amogha M P (S6 ECE A).



- The ECE Hobby Club organized an LED Christmas Tree Competition on 17/12/25 for all ECE students, providing a creative platform to exhibit their skills in designing circuits using low-cost components while celebrating the festive spirit. The First Prize was awarded to Shaun Titus, Jenin Devassy, and Rahul D Nair (S6 ECE B), while the Second Prize went to Sneha M S, Tom K Sebi, and Lulu AP (S6 ECE B).



MoU with Gr8 Global India

- The Department of Electronics and Communication Engineering signed an MoU for upgrading the Centre for Collaborative Research in AI & Robotics to an Industry-Sponsored lab category by the US MNC, Gr8 Global India, on 12th September



NPTEL Winners

Name of Faculty	NPTEL Course Name	Achievement
Aiswariya Raj	OBE and Accreditation	Top 1%
Christy Jose	Introduction to Machine Learning	Top 1%
Sreelekshmy S.	OBE and Accreditation	Top 5%
Neena K A	Introduction to Machine Learning	Top 5%
Dhanya S	Python for Data science	Top 5%
Jeslin P. Jo	OBE and Accreditation	Elite + Gold
Bini V K	OBE and Accreditation	Elite + Gold
Vinitha.V	Mental Health and Well being	Elite +Gold
Elza George	OBE and Accreditation	Elite + Silver

Amal Babu (S6 EEE - 2023 Admission) receiving prize for his team project ePLANE at the Residential Student Workshop organised by PALS at IIT Madras in the month of Dec 2025.



Mohammed Mohsin UA (S4 EEE - 2024 Admn) receiving prize for his team project Hyperloop at the Residential Student Workshop organised by PALS at IIT Madras in the month of Dec 2025.



The team Autnimbus received special appreciation for getting high score in the PALS ANALYZE program under the IT Category. They built an Optimal Cloud Server Configuration Advisor. The team consisted of Mohammed Mohsin (S3EEE), Adharsh S (S3EEE), Nooh Muhammed (S3EEE) and Muhammed Ashmil Kurikkal MP (S3CSD)



Senior officials of FISAT, including the Chairman, Principal, and Heads of the EEE and EC Departments, visited NeST Group on 19 December 2025 and interacted with the Managing Director, Mr. N. Jahangir, and the senior management team to explore collaborative opportunities. The visit aimed to strengthen academia-industry collaboration, enhance students' practical exposure, and promote industry-oriented research.



The preliminary round of Power Quiz 2025, an annual event organized by the Kerala State Electricity Board Officers Association, was conducted on 6 November 2025 at FISAT. The event saw active participation from registered students and was briefed by officials from nearby KSEB offices. Adith K. S. (S1 EEE) and Nawal Rahman (S1 EEE) were selected for the district-level competition.



The Department of EEE, FISAT, organized a six-day Faculty Empowerment Programme (FDP) titled "Sustainable Smart Energy and Mobility" from 21-27 November 2025 in hybrid mode. Coordinated by Dr. Surya Susan Alex and Dr. Rinku Scaria, the programme focused on enhancing technical knowledge, research skills, and industry awareness. The FDP was inaugurated by Mr. Althaaf Jehangir, CEO, SFO Technologies (NeST Group), and featured expert sessions from IITs, NIT Calicut, and industry professionals, along with hands-on training and an industrial visit



Expert talk

The Department of Electronics and Instrumentation Engineering (EIE) organized an expert talk on "Real-World Control & Instrumentation Insights" by Mr. Mohammed Aslam, CEO of INQBE Innovation Pvt. Ltd. The



session highlighted practical applications of industrial control and instrumentation, covering systems from PID controllers to PLCs and DCS, and emphasized their role in quality assurance, resource optimization, and safety.

PALS EDC 360° Conclave

Dr. Abi P. Mathew (EIE) and Mr. Tom Anto attended the PALS EDC 360° Conclave on 29 November 2025, a full-day management programme focused on strengthening campus entrepreneurship ecosystems. The event brought together academic leaders and industry experts to discuss industry-innovation synergy, EDC effectiveness, and lab asset utilization.



Department of Electronics & Instrumentation renewed Memorandum Of Understanding with Nest Cyber Campus for technical exchange of knowledge and training students in electronics on high power applications on 5/11/2025



Explore 2025

Dr. Abi P Mathew was the chief guest for a general exhibition 'Explore 2025' organised at the Naipuya school to enhance creativity among the students and explore their intellectual altitudinal ideas on 12th December 2025.



Invited talk on entrepreneurship

Ms Raji P of EIE was speaker for "Coffee with an Edupreneur" session at Bharata Mata College of Commerce and Arts, Choondy, organized in association with IEDC and EDC as an IQAC initiative 18 Dec 2025



IIC regional meet

Ms. Raji P participated in 3rd edition of the IIC Regional Meet held at Rajagiri engineering college on 28th Nov 2025



Webinar on instrumentation in oil and gas industry

The students of semester 7,EIE were given a brief overview of various job opportunities in oil and gas industry on 18 October 2025

Corporate Interaction on Street-Smart Management: Learning Beyond the Classroom

The Department of MBA, FISAT Business School, organized a corporate interaction on "Learn Management from Streets and Be a Street-Smart Manager" on 31st October 2025 for third semester students. The resource person was Dr. Oommen Mammen, Management Expert, Corporate Trainer, and Academic Mentor with 42 years of experience. Dr. Mammen shared insightful perspectives on how real-life experiences can serve as valuable lessons in management.



SEBI-NISM Sponsored Workshop on Financial Education for Young Citizens

FISAT Business School organized a two-day workshop for third semester students on 'Financial Education for Young Citizens' sponsored by SEBI, NISM, and Vivriti Capital. The sessions were held on 23rd September and 13th October 2025, conducted by Mr. Manoj T. Neelakantan, a certified SEBI financial trainer and an experienced professional in the banking and financial sector. Mr. Manoj introduced the concept of investment and its growing importance among young citizens. He explained various financial investment opportunities, the process and prerequisites for investing in the securities market, and the differences between the primary and secondary markets.



Corporate Interaction on Career Readiness: “What Awaits You Outside”

FISAT Business School organized a corporate interaction on 'What Awaits You Outside' for third semester students. The sessions were held on 17th October 2025, conducted by Mr. Vipin Wilfred, Service Delivery Lead- People Experience and People Operations, Worley. During the session, Mr. Vipin shared valuable insights from his MBA journey, motivating students to make the most of their academic years by developing both technical and interpersonal skills.



FBS International Conference on Management and Research 2K25 (FICMR 25)

FISAT Business School successfully organized the FBS International Conference on Management and Research 2K25 (FICMR 25) on December 17–18, 2025. The conference was conducted in association with the Institution's Innovation Council (IIC) and IEEE FISAT Student Branch on the theme “Redefining Success: Integrating Sustainability into Management Practice.”

The event brought together eminent academicians, industry experts, research scholars, and students for insightful discussions on sustainable management practices. A total of 70 research papers were presented at the conference, reflecting active research engagement from various institutions. Keynote addresses, expert panel discussions, and a sustainable product exhibition enriched the two-day program.



TechShare: CyberShield – Awareness for the Next Generation

As part of the TechShare outreach initiative, an awareness session titled “CyberShield: Awareness for the Next Generation” was conducted by the Department of Computer Applications on 7th October 2025 at Sacred Heart English Medium School (CBSE), Mookkannoor, for higher secondary students.



Session on 'Modern Cryptography with Elliptic Curves

On October 9, 2025, the Department of Computer Applications conducted a course-specific session titled “Modern Cryptography with Elliptic Curves” for the S3 MCA 2024 batch, led by Ms. Sabecha Kampala Thekkumuri, Software Engineer at G10X and a 2023–2025 alumnus, providing industry-oriented insights that linked cryptography theory with real-world cybersecurity applications.



Persona Enhancement Program

The Department of Computer Applications conducted a three-day Persona Enhancement Program MPOWER Plus from 10 to 13th October 2025 for first-year Integrated MCA students, facilitated by Mr. Krishnakumar K and Ms. Mredhula, focusing on experiential and blended learning to build confidence, communication, teamwork, leadership, positive attitude, and career readiness aligned with corporate expectations.



Achievement

Dr. Deepa Mary Mathews, Associate Professor, Department of Computer Applications, achieved Gold Certification on Generative AI Fluency by NASSCOM, Ministry of Electronics & Information Technology, Govt. of India on 11/10/2025.

Industrial Visit

As part of the curriculum, students of the Department of Computer Applications visited TCS on 16 October 2025, where Ms. Susan and Ms. Priya explained the practical implementation of Agile and Scrum methodologies, highlighting cross-functional collaboration, Scrum roles, and sprint-based project workflows to provide real-world industry exposure.



The Department of Computer Applications organized a social visit to Daivadhan Old Age Home, Malayattoor, on 18 October 2024 for the MCA 2024 B batch under the guidance of Dr. Shidha M.V. and Dr. Santhosh Kottam, where students interacted with elderly residents, conducted cultural programmes, and promoted social responsibility and community care. Social Visit to Daivadhan Old Age Home, Malayattoor



ACM Eminent Speaker Program

Under the ACM Eminent Speaker Program, the Department of Computer Applications organized an expert talk on "Can We Trust the Binary? Verifying Software Without Source Code" on 23 October 2025, delivered by Dr. Binoy Ravindran of Virginia Tech, USA, who explained verified binary lifting techniques for trustworthy security and correctness analysis of large-scale software systems such as the Xen Hypervisor.



TCS specific training by Educkhetra

TCS specific technical and aptitude training was organized for the students of Third semester MCA on 28th and 29th October 2025. On 28th October students were provided with technical training on use cases with python.

Book Review Competition

As part of NDLI Club activities, the Department of Computer Applications organized a Book Review Competition on 1 December 2025, coordinated by Dr. Shidha M. V., with an inaugural address by Chief Librarian Mr. Sino Varghese highlighting the importance of reading, and witnessed active participation from 15 MCA students.



MoU with SARA Controls and Automation

The Mechanical Engineering Department of the Federal Institute of Science and Technology (FISAT) has formally entered into a Memorandum of Understanding (MoU) with SARA Controls and Automation, Coimbatore, on 17th November 2025. SARA Controls and Automation is a leading provider of industrial automation and electrical panel solutions, specialising in PLC, IoT controls, SCADA, and DCS using brands like Siemens, ABB, and Mitsubishi. They also offer internships and training in the field of automation, robotics, EVs, VLSI, embedded systems, and IoT. The MoU was signed by Dr. Jacob Thomas, Principal of FISAT, and Mr. R. Sasikumar, Director - Technical, SARA Controls and Automation, in the presence of Mr. B. Raghavendran, Director - Technical, SARA Controls and Automation and Dr. Rejeesh C R, Professor & Head of Mechanical Engineering Dept.



MoU with BSS NDT Pvt. Ltd.

The Mechanical Engineering Department of the Federal Institute of Science and Technology (FISAT) has formally entered into a Memorandum of Understanding (MoU) with BSS NDT Pvt. Ltd., Angamaly, on 19th November 2025. BSS NDT Pvt. Ltd. is an ISO 9001:2015 certified, reputed NDT training and services company, established to provide world-class training, examination, and consultancy services in the field of Non-Destructive Testing (NDT). BSS NDT is also an ASNT 9712 Approved Training Centre, the first of its kind in Kerala. The MoU was signed by Dr. Jacob Thomas, Principal of FISAT and Mr. Biju Pappu, Managing Director, BSS NDT Pvt. Ltd., in the presence of Mr. Biju Paul, Manager, BSS NDT Pvt. Ltd. and Dr. Rejeesh C R, Professor & Head of Mechanical Engineering Dept.



Faculty Research Achievements

Mr. Anoop Sankar, Assistant Professor, ME Dept. have published a high-impact research article titled "Numerical and Experimental Investigation of Single- and Double-Layer Multi-Track Laser Melting Processes for Ti6Al4V Powder" in the reputed international journal Canadian Metallurgical Quarterly (2025). The study presents an in-depth numerical and experimental analysis of laser melting processes, contributing valuable insights toward improving additive manufacturing techniques for titanium alloys used in aerospace and biomedical applications.



Dr. Rejeesh C. R., Professor & HoD Mechanical Engineering, have authored a book chapter titled "Life Cycle Assessment of Multicomponent Material Systems" published in the edited volume Multicomponent Fibers and Polymeric Systems: Fundamentals, Morphology, and Applications by CRC Press (2025). This work emphasizes sustainability and environmental impact assessment of advanced polymeric and multicomponent material systems, aligning with global research priorities in sustainable materials engineering.



Resource person for Webinar - Collaboration with UiTM Mara, Malaysia

The Faculty of Mechanical Engineering at Universiti Teknologi MARA (UiTM), in collaboration with the Mechanical Engineering Department of FISAT, hosted a webinar on "Impulse Hydraulic Turbines" as part of the collaborative teaching project for MEC 454 - Thermofluids Lab I, on December 1,



2025. Dr. Sumanlal M R, Professor in the Mechanical Engineering Department at FISAT, served as the guest speaker. AP Ir. Ts. Dr. Baljit Singh is the course instructor. This webinar underscores the ongoing knowledge-sharing and partnership under the FISAT-UiTM MoU for academic collaboration.

SAE FISAT @ Indian Karting Race (IKR) competition

FRC Corsa, the Go-Kart team under SAE FISAT, participating in the Indian Karting Race (IKR) competition has secured an All-India Rank of 6 overall and top rank in specific categories. The team is proudly representing our Institute FISAT in the prestigious All India Go Kart racing competition.

Industry Connect – Invited Talk

The Department of Mechanical Engineering at FISAT in association with SAE FISAT has organized an invited talk on 17th November 2025 at 10.30 AM. Topic: Powering the Future: Innovations in Electric Vehicle Systems. Mr. B. RAGHAVENDRAN, Director - Technical, SARA Controls and Automation, Coimbatore, was the resource person.



Industry Interactions & Familiarisation Programmes

As part of the Interactions & Industrial Familiarisation Programme, on 06/11/2023 (Thursday), a team of faculty members from the Department of Mechanical Engineering, Federal Institute of Science and Technology (FISAT) visited BSS NDT Pvt. Ltd., Angamaly a leading company specializing in Non-Destructive Testing (NDT) training and services.



The students of SAE FISAT accompanied by the staff advisors visited Eddy Current Controls (India) Ltd., Thrissur, on 10/10/2023 a pioneering company in electric mobility solutions, electric buggies, and precision engineering systems.



NPTEL Mentor

Dr. Harish T M of Mechanical Engineering Department has been awarded as a top performing mentor!



PhD Open Seminar

Mr. Anoop Sankar, Research scholar, Mechanical Engineering Department has completed his PhD Open Seminar 2 on the topic Selective Laser Melting of Ti6Al4V: Microstructure, Mechanical Properties & Process Optimization.



NPTEL Achievers

The Department of Mechanical Engineering Congratulates them for the successful completion of NPTEL certification courses.

Name	Course & Institution	Duration & Status
Rahul R Sankar	Metal Additive Manufacturing, IIT Kanpur	12 Weeks – Status: Elite
Nikhil Rajeev	Metal Additive Manufacturing, IIT Kanpur	12 Weeks – Status: Elite
Vidyanand Shibu Payyanadan	Introduction to Machine Learning, IIT Madras	12 Weeks
Nived M	Petroleum Technology, IIT Kharagpur	8 Weeks
Mohammed Sufiyan C S	Understanding Incubation and Entrepreneurship, IIT Bombay	12 Weeks – Status: Elite
Nandana P Nair	Metal Additive Manufacturing, IIT Kanpur	12 Weeks – Status: Elite
Pradhamesh Prasad Pillai	Automation in Manufacturing, IIT Guwahati	12 Weeks – Status: Elite
Pradhamesh Prasad Pillai	Robotics, IIT Kharagpur	8 Weeks
Marmith B R	Robotics, IIT Kharagpur	8 Weeks
Marmith B R	Automation in Manufacturing, IIT Guwahati	12 Weeks – Status: Elite
Sumith VS	Automation in Manufacturing, IIT Guwahati	12 Weeks – Status: Elite
Jenin C J	Automation in Manufacturing, IIT Guwahati	12 Weeks – Status: Elite
Toms Pattara	Automation in Manufacturing, IIT Guwahati	12 Weeks
Vivek Joby Achandy	Metal Additive Manufacturing, IIT Kanpur	12 Weeks – Status: Elite
Pulappadi Ashwathi	Metal Additive Manufacturing, IIT Kanpur	12 Weeks – Status: Elite
Sreedath S Kartha	Automation in Manufacturing, IIT Guwahati	12 Weeks – Status: Elite
Rony Joseph	Artificial Intelligence: Concepts and Techniques, IISc Bangalore	12 Weeks – Status: Elite
Muhammed Yafi Naushad	Introduction to Aerospace Engineering – Flight, IIT Bombay	12 Weeks
Mohammed Noufal K N	Sensor Technologies: Physics, Fabrication, and Circuits, IISER Bhopal	8 Weeks – Status: Elite
Nived Sunil N	Power Plant Engineering, IIT Roorkee	8 Weeks – Status: Elite
Joel James	Marine Engineering, IIT Madras	12 Weeks