SPICE 2K'24 -INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING INSTRUMENTATION AND COMMUNICATION ENGINEERING

An International Conference on Signal Processing Instrumentation and Communication Engineering was organised by Dept of ECE in association with Bureau of Indian Standards(BIS) on 9th and 10th February 2024. IEEE Kochi subsection Chairman Dr M V Rajesh inaugurated the event. Various UG, PG , Research Scholars presented their papers in the conference. Prof Rangith B Kuriakose, Professor, Central University of Technology. South Africa, Mr Sreejith Mohan J, Joint Director and Scientist D, Chennai Branch Office BIS delivered the keynote address.

10 Feb 2024 12:24:35 pm
Mar Baselios Institute of Technology and Science (MBITS)

10 Feb 2024 3:16:20 pm
Mar Baselios Institute of Technology and Science (MBITS)

'Signal 2.0': National Technical Event

SIGNAL is the most awaited flagship event of IEEE SPS Kerala Chapter. This year, the second edition of SIGNAL in partnership with Mar Baselios Institute of Technology and Science (MBITS) was conducted from 10th November 2023 to 12th November 2023. This exciting three-day extravaganza features a lineup of captivating speakers, valuable networking sessions, and entertaining cultural evenings. It comprises inspiring keynote speeches and sessions focused on practical use cases to help you address current technological challenges while preparing for future prospects. It also offers a chance to connect with renowned figures in the field of Engineering and Technology. Dr. Sunil T.T, Director, ICFOSS was the chief guest of the day.

Inaugural ceremony of LED consultancy

Department of ECE is thrilled to announce the grand inauguration of our newest venture, the LED Consultancy specializing in Inverter and LED Bulbs on 8th January 2024. In a momentous ceremony filled with excitement and anticipation, we marked the beginning of a journey aimed at revolutionizing the lighting industry and illuminating the future with energy-efficient solutions. Secretary Shri C.A Kunjachan inaugurated the consultancy.

HOD's Message

"Hello Team,

As we step into a new month filled with fresh opportunities and challenges, it's time to reflect on our collective journey and celebrate our accomplishments.

Firstly, I want to extend my heartfelt appreciation to each and every one of you for your unwavering dedication and hard work. Your commitment to excellence is the driving force behind our department's success.

In the spirit of collaboration and innovation, let's continue to support each other and explore new ways to exceed expectations. Remember, our strength lies in our unity and diversity of thought.

As we move forward, let's keep communication channels open, share ideas freely, and embrace change with enthusiasm. Together, we can overcome any obstacle and achieve remarkable results.

Thank you for being an integral part of our team. Here's to a productive and fulfilling month ahead!

Best regards,

Prof. Johny Joseph, M.Tech
Professor & HoD,
Dept. of ECE, MBITS Engineering College

3-Day FDP Program: Intelligent Connections - Exploring the Synergy of AI And IoT Devices

The 3-day Faculty Development Program (FDP) on "Intelligent Connections: Exploring the Synergy of AI and IoT Devices" was conducted from 17th to 19th August 2023. This program aimed to provide educators with valuable insights into the integration of Artificial Intelligence (AI) and Internet of Things (IoT) devices. Organized by IEEE Student Branch MBITS in collaboration with IEEE Kochi Subsection, the event witnessed the participation of 65 faculties from various institutions, both online and offline.

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<mark>Meet 'The Alumni'</mark>

We had the pleasure of hosting our esteemed alumna, Stellamol Sabu(2018-2022), Engineer at IBS Software Solutions, for an enriching session titled "Meet the Alumni." Stellamol's insightful address offered students a valuable glimpse into the vast realm of career opportunities awaiting them in the dynamic field of IT jobs. The program was organised by SieHz, ECE association of MBITS on 15th March 2024 at APJ Abdul Kalam Seminar Hall.

Explore and Connect Workshop for Proficiency in Circuit Assemble

The Department of ECE conducted a one-day workshop on "Explore and Connect" which focusses on familiarization of major electronics equipment and circuit assembly for the fourth semester ECE students on 29th February 2024 at Communication lab. The session was handled by the technical staff of ECE department.

Drawing Competition for ECE Department

The Department of Electronics and Communication Engineering (ECE) conducted a drawing Competition, an event designed to celebrate and showcase the creative talents of our students on 20th October 2023 at Drawing Hall. Participants had the opportunity to express themselves artistically while exploring the intersection of technology and creativity.

Workshop on Open-Source Chip Design

IEEE CASS Kerala Chapter and Digital University Kerala conducted a "Making CASS inclusive – Workshop series" at MBITS on 27th October 2023 for all the 3rd and 4th year students from ECE/EEE Departments. The workshop was handled by Prof Alex James, dean at Digital University Kerala, Founding Chair of IEEE CASS Kerala chapter. This program provided hands on training to use open-source chip design tools. This program aims to bring students who are passionate about circuit designs under a common platform.

DEPARTMENTAL ACHIEVEMENTS

Ph-D Awarded

Dr Robin George, Department of ECE has successfully defended his PhD thesis on Topic "Investigating the performance of miniatured directional microstrip patch antennas for wireless sensor network". His Ph-D is awarded from Karunya university, Coimbatore.

MoU: ReverTech IT Solutions

ECE Department of MBITS has signed an MoU with Revertech IT solutions to select eligible students for the internship and add-on course based on mutually agreed criteria. The MoU was signed on 18th August 2023.

Outstanding Student Event Award

IEEE Student Branch of MBITS started on 21st Oct 2022. The program was inaugurated by Dr. Rajesh M.V, Chairman, Kochi Subsection. IEEE has created several Student Branch Awards to recognize and reward the efforts of the tireless individuals and teams. IEEE Student Branch MBITS received outstanding student event award from IEEE Kochi Sub-section, Kerala. Asst. Professor Robin George and Student Coordinator Mr. Dileep Kumar of ECE department received the award from IEEE Kochi Subsection Chaiman Dr. M V Rajesh.
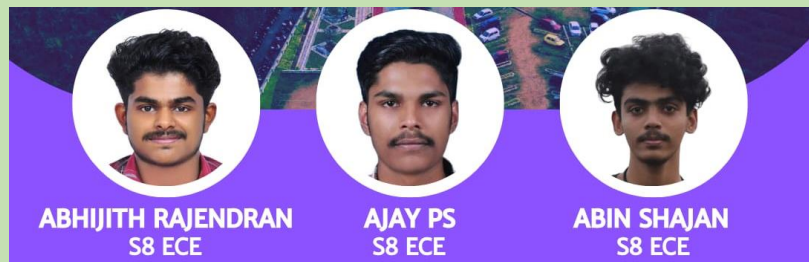
GATE Qualified: "Hearty Congratulations to All"

Department of Electronics and Communication (ECE) proudly announce that three of our final year students have qualified for GATE 2024.

ABHIJITH RAJENDRAN
S8 ECE

AJAY PS
S8 ECE

ABIN SHAJAN
S8 ECE

Chief Minister's Student Excellence Award'23

Ms. Stellamol Sabu (Department of ECE, Batch: 2018-2022) has won Chief Ministers Student Excellence Award of Rs.1 Lakh in recognition of the meritorious achievement in Under Graduate Examination Conducted by Universities in the State of Kerala.

Geojith Scholarship

Mr. Jesald Tony (S2 ECE) received the Geojith scholarship for the year 2023-2024. Geojit's Scholarship programme awarded to deserving meritorious students for enabling them to pursue higher studies in streams such as engineering.

Best Seminar Award

Mr. Badusha Ali, S8ECE won the best Seminar Award 2023-2024 for the seminar titled 'Developments in Touch Sensors for Flexible Displays'. The best seminar award serves to promote excellence, knowledge sharing, and community building.

Best Project Award

Mr. DileepKumar A, Mr badusha Ali, Mr Basil Paul, S8 ECE won the best project award 2023-2024 for the project titled "Pathway Robot". This project aims to develop a receptionist robot that can bring significant societal benefits in an ever changing world. The receptionist robot will be equipped with advanced voice recognition and natural language processing capabilities.

Academic Performance Award

Ms Abhirami Aji with CGPA 9.02 and Ms Amrutha M. U with CGPA 9.09 were awarded best academic performance award for the year 2023-2024.

IEEE Student Award

Mr Dileep Kumar A ,Chair of IEEE SB MBITS along with team have backed the outstanding student event award in conducting Signal 2.0, a mega event comprising of technical workshop,

seminar, industrial interaction and hackathon competition. This team was lead by Robin George, IEEE SB, Student branch Counselor.

INDUSTRIAL VISITS

Visit to Maker Village

Students from S6 ECE,S4 ECE and few staff members had an opportunity to visit the Maker Village incubator centre located at Kalamassery on 24th April 2024. Maker Village is the largest electronic hardware incubator and ESDM facility in the country, which is a pioneering startup initiative of Ministry of Electronics and Information Technology, Government of India with Indian Institute of Information Technology, Trivandrum as the implementation agency and Kerala Startup Mission as the supporting partner.

Visit to Agappe Diagnostics Ltd

Students from S6 ECE,S4 ECE and few staff members had an opportunity to visit the Agappe Diagnostics Ltd. located at Nellad on 24th April 2024. Agappe is committed towards the welfare

of mankind by providing customers with superior quality In-Vitro Diagnostic (IVD) products and services. With a well-developed in-house R&D centre, Agappe is focused on the research and manufacturing of IVD Reagents and Equipment to meet the needs of every laborat

VISSION & MISSION OF THE INSTITUTE

Vision of the Institute

➢ To nurture a positive campus culture and equip the younger generation to take our nation forward.

Mission of the Institute

➢ To provide graduate level technical education in the existing / conventional branches, as well as in the newly emerging fields.
➢ To build up a centre of technical excellence for post-graduate studies and research in all fields of human endeavour.
➢ To help the youth of rural agricultural background to change with times, and join the mainstream of industrial growth and information technology.
➢ To impart ethical values of our Indian tradition to the future generation.

VISSION & MISSION OF ECE DEPARTMENT

Vision of the Department

➢ To be a centre of excellence to produce globally competent technocrats who can advance our nation.

Mission of the Department

➢ To provide quality education and training through effective teaching-learning practices

➢ To solve the complex technological problems of modern society in the various fields related to Electronics & Communication Engineering

➢ To nurture students to improve their leadership and entrepreneurship skills with core values