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*Newsletter of Electronics and Communication Engineering Department,
Christ College of Engineering, Irinjalakuda*



Rosary Sale

The Department of Electronics and Communication Engineering organized a Rosary exhibition and sale at five different churches on 28th September 2022. The purpose of the event was to promote the importance of prayer and devotion to the Rosary. The Rosary is an important part of Catholic prayer, and it is believed to be a powerful tool for meditation and spiritual growth.

The Rosary exhibition and sale were held at five different churches, The exhibition was able to sell around 150 rosaries, and the event generated a great deal of interest among the attendees. The rosaries that were sold at the exhibition were handmade by the students of the Department of Electronics and Communication Engineering. The proceeds from the sale will be used to support charitable causes and activities.

STAFF EDITORS

Dr Caren Babu
Tony C Thomas

STUDENT EDITORS

Aaditya Kiran K Sujith (S7 ECE)
Abin Sajan T (S7 ECE)
Aldrin Varghese (S7 ECE)
Annwin Francis (S7 ECE)
Antony Babu (S7 ECE)
Ashik Jose (S7 ECE)
V Nandagopal (S7 ECE)

DEPARTMENT VISION

To be a premier center of education, research and innovation in Electronics and Communication Engineering that nurtures adept engineers responsive to global challenges and societal needs.

DEPARTMENT MISSION

- To enhance the teaching-learning process by implementing state-of-the-art practices suitable for a challenging technological world.
- To promote innovative research in emerging areas for the advancement of knowledge towards developing sustainable solutions for the society.
- To foster ethics, values and an urge for continuous improvement vital for professionals to emerge as responsible leaders.

PSO

- PSO1: Apply the concepts of Communication Engineering, VLSI, Embedded Systems, Signal Processing and allied disciplines to analyze, design and develop engineering systems.
- PSO2: Proficiently use the latest hardware and software tools relevant to Electronics and Communication Engineering in solving real world engineering problems.
- PSO3: Foster professional ethics, adaptive attitude, managerial skills and an inquisitive mind for continuous learning, essential for the core and allied engineering practices.



The exhibition was arranged by the students of Electronics and Communication Department with the support of Rev Fr Joon Paliakara , Fr. Joy Payyappilly and Fr. Antony Davis , principal Dr. Sajeev John, Vice Principal Dr. V.D John .

Due to the success of Rosary exhibition and sale , Electronics and Communication Engineering Department hope to continue organizing such events in the future.

Workshop on Data Science

On 10th October 2022, The Department of Electronics and Communication Engineering conducted a hands-on workshop for the fifth semester ECE students on coding. The topic was "Introduction to Data Science using Python " and was led by Mrs. Jasmine Jolly(Asst.Professor,Dept of CSE, CCE) and staff coordinator Mrs.Manju I Kollanur(Asst.Professor, Dept of ECE, CCE) and student coordinator Paul Jojy.

Space Quizard

As a part of world space week to celebrate the contribution of space science and technology to the betterment of human condition, department of Electronics and Communication Engineering students organized a fascinating quiz competition "Space Quizard" based on theme Space Research for all the students of Christ College of Engineering on 15th October 2022 at 2.15 pm.

Ebin Babu V (S3 Mechanical engineering) got the first prize for the competition ,and second and third followed by John Anto (S3 Mechanical engineering) and Aiswarya M R (S5 Civil engineering).



INDUSTRIAL VISIT

The Department of Electronics and Communication organized an industrial visits for the faculty members of the department. The visits were aimed at enhancing the knowledge and skills of faculty members in the latest technologies and trends in the industry. They visited the two of the leading Technology hubs in India, CDAC and Sree Chitra Tirunal Institute for Medical Sciences & Technology(SCTIMST).

Faculty members had an initial level of discussion towards an MoU to extend the training on Vega Processors and placement opportunities for students at CCE. They believe that this collaboration will open up new avenues for the students, leading to enhanced career prospects and academic growth.

The faculty Ms. Sreelekha T managed the leadership and coordination of the team. The industrial visits proved to be a great learning experience for all the faculty members.



SpacED

Gabe Gabrielle Visits Campus

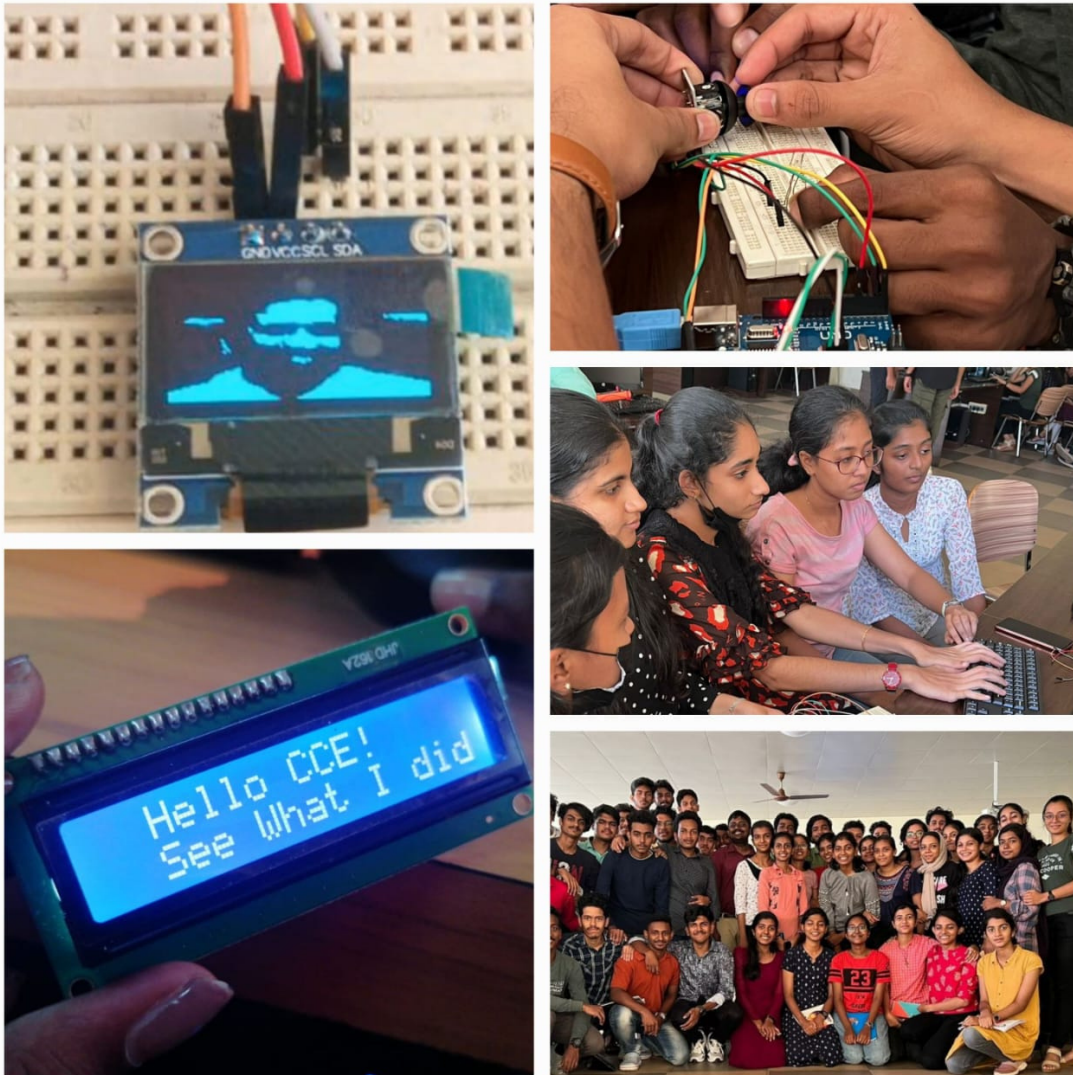
The Electronics and Communication Engineering Department of Christ College Of Engineering had the privilege of hosting SpaceED on 17th October 2022 led by Mr. Gabe Gabrielle (Engineer and Scientist at the Kennedy Space Center NASA, US Air Force Special Operation Command).

The session was an extraordinary opportunity for the students to interact with an industry expert who shared valuable insights about space technology and engineering. Mr. Gabrielle shared his experiences and knowledge about the latest advancements in the field of space technology, along with the challenges and opportunities in space exploration.

The co-ordinators of the event offered their sincere gratitude towards executive director, Rev Fr. John Paliakara, joint directors, Rev Fr. Joy and Rev Fr. Antony, principal, Dr. Sajeev John, Vice Principal, Dr. John V.D for their constant support and guidance in organizing such an insightful sessions for the students.



ADD ON COURSE ON TINKERCAD AND ARDUINO



The Department of Electronics and Communication Engineering in association with IEDC conducted a four days ADD ON session for the first year 2022-2026 batch from 7th November, 2022. This workshop was conducted to make the students known about what is happening in the world of Electronics and Communication. The resource persons for the workshop were Mr. Rajiv T. R. and Ms. Sreelekha T, Assistant Professors at CCE.

The first two days of the workshop were focused on giving the students, an introduction to TINKERCAD, which is a free online platform for 3D designing, electronics and coding, wherein they were able to learn how to design and run electronic circuits. It was a fun and an innovative approach to teach the students about the basic elements and principles of a circuit. The last two days of the workshop were aimed at familiarising the students about the basics of Arduino boards and to give an introduction to IoT and Robotics. It provided a real hands-on experience where the students learned to programme and control various components like LEDs, DC motors etc.

Pratheeksha Bhavan Visit

As part of children's day celebration, department of ECE visited Pratheeksha Bhavan near the College.

The session started off with a prayer and a brief introduction about the plan of visit. Various entertainment programs were arranged by the students in order to make the day, memorable for them. Snacks were also provided which were bought using the charitable fund collected from the college. Everyone were so happy and they danced out of their minds.

It was a heartwarming experience visiting there and watching them singing, dancing and playing.

The fund raised from the food stall, organized during Maschinen Fest was used for to charity.

Special thanks to Manju Mam for coordinating this event. Gratitude towards the principal of CCE, for helping in organizing this event.



DR. FRANCIS JACOB DELIVERS TALK ON 5G

CCE hosts IETE foundation day of Kochi Centre



The 69th IETE foundation day celebration of IETE Kochi center was hosted by Christ College of Engineering, Irinjalakuda (CCE) on Thursday, 17th November 2022. The programme was presided over by Mr.M.N Narayanan, Chairman, IETE Kochi Centre. The program started at 11:00 am with a prayer song. Dr Caren Babu, HOD, Electronics and Communication Engineering Department of CCE delivered the welcome speech. Ms. Meenakshi P S, Vice Chairperson of IETE Student Forum (ISF) of CCE introduced her ISF team and presented a brief overview of its activities.

Fr. Antony Davis Pottokaran CMI, Joint Director, CCE, delivered the opening address. He lauded IETE for providing a common platform for veterans, working professionals as well as students in the streams of Electronics and Telecommunication Engineering to collaborate. Mr. M.N Narayanan read the message from the Hon. President of IETE

for the 69th Foundation day. He gave a talk on the theme for this year's foundation day - "NEP 2020 : A Paradigm Shift in Skill Based Higher Education : Challenges and opportunities".

Mr. M.N. Narayanan, Chairman and Mr. P. Krishnakumar, Hon. Secretary of IETE Kochi Centre conferred the honours to Dr K Francis Jacob, Senior IETE Member and Principal General Manager, BSNL, the honoree for this year's foundation day.

Dr K Francis Jacob delivered the distinguished lecture for the day on "OTN, FTTH, Mobile 5G Technologies: An Overview" The informative and interactive session covered various arms of the 5G technology which is believed to revolutionize the telecommunications domain of the country in the coming years. The official meeting concluded at 1:00 PM with a vote of thanks by Mr. P Krishnakumar, the Hon. Secretary of IETE Kochi Centre.

More than 120 participants attended the ceremony including IETE and ISF members and students of Christ College of Engineering. Among ISF members who attended the function, 37 were external participants from other ISFs and the remaining were from the ISF Unit of CCE. Certificates were distributed and a lunch was arranged by the IETE Kochi Centre for the participants.

Hands-on Session on LAN Assembling

As a part of Computer Networks course, the students of ECE got an opportunity to gain hands-on experience in setting up a Local Area Network (LAN). It was a great learning experience for all the students who attended, and was found to be helpful in understanding the concepts covered in the theory classes. The occasion for this practical session was for the relocation of the EDA Lab to a new room. Throughout the process, they encountered several challenges, such as cable length limitations, connectivity issues and network

configuration problems. However, they managed to overcome these challenges and successfully set up the LAN.

This practical session was an excellent opportunity for the students to apply the theoretical knowledge to a real-world scenario.

The session was handled by Aswin sir and Linto sir and it was initiated by Asst. Prof, Ms Sreelekha T at Christ College of Engineering.



Industry Interactive Session on "Advancements in Electronics Design"

The Department of Electronics and Communication Engineering organized an industry interactive session called "Advancements in Electronics Design" at Christ College of Engineering on 26th November 2022. The session was led by Sachin K V (Senior Research Engineer, C-DOT Bangalore) and Karthik Krishna (Research Engineer, C-DOT). Registration was free and all participants were provided with e-certificates. The event was Coordinated by Ms. Della Reasa Valiyaveetil. It was hosted over Google Meet platform.

Pioneers's Path - Alumni Interaction Session

The ECTA Association and Department of Electronics & Communication Engineering, of Christ College of Engineering, Irinjalakuda organized a Virtual Alumni interaction on the theme “Pioneers Path” on November 19th , 2022 through Google Meet from 3.00PM-4.30PM. The speaker of this program was Ms Vinita Varghese, pursuing Master of Science in Electrical Engineering from University of South Florida, FL, USA, an alumna (Batch 2017-21). Programme started with the welcome address by Ms. Catherine J Nereveetil. The objective of the programme was to strengthen the bond between the Department and alumni, and to bridge the gap between the students and alumni. The topics that were discussed during the interaction were Career Guidance and trainings provided by T&P cell and Higher Studies Opportunities in USA. Around 40 students attended the programme.

Christ College Of Engineering, Irinjalakuda
Dept. Of Electronics & Communication Engineering

PIONEERS PATH
"LEARN IT FROM OUR ALUMNI"

Vinita Varghese
2017-21 batch
Master of Science in Electrical Engineering
University of South Florida, Tampa, FL, USA

COORDINATOR :
CATHERINE J NEREVEETIL

DATE **TIME**
NOV 19 **3 PM**

ECTA Electronics and Communication Technologists Association
CHRIST COLLEGE OF ENGINEERING

IETE EXE-COM 2022-23

New Executive Committee of IETE Students Forum was formed with the following students as the office bearers:

Chair: Abel Shibu

Vice Chair: Meenakshi PS

Secretary: Anjana P

Treasurer: Bastin Jaison

Technical Head: Hrishikesh

Media Head: Agna D Manjali

Creative Head: Glenda PV

Program Organiser: Devika

Documentation Head: Lima Rose

The election was Convened under the scrutiny of Mr. Tony C Thomas, Staff Advisor, IETE Students Forum.

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS
IETE EXCOM

ABEL SHIBU
CHAIRMAN

MEENAKSHI
VICE CHAIRMAN

ANJANA
SECRETARY

BASTIN JAISON
TREASURER

HRISHIKESH
TECHNICAL HEAD

AGNA D MANJALI
MEDIA HEAD

GLENDIA PV
CREATIVE HEAD

DEVIKA
PROGRAM ORGANISER

LIMA ROSE
DOCUMENTATION HEAD

'SHOOTOUT' - 5'S FOOTBALL TOURNAMENT

During the World Cup fever all around, **ECTA** students association conducted an all Kerala Penalty SHOOTOUT 5's Tournament on 10th January 2022 at our campus. We had a total of 24 teams participated including teams from outside.

The tournament was inaugurated by our dearest Executive Director Rev. Fr. John Paliyekara CMI and the inaugural match was between CCE Staff and hostellers . In this sharp contest with 23 rounds of match, team Evershine from Ammadam has sealed their name at the first place and second prize goes to team from S3 ECE.

The matches were conducted in a knock-out format, and each team had to shoot the ball into the goalpost to win the round.

The tournament had many nail-biting finishes and some unexpected twists and turns, keeping the audience engaged throughout. The semi-finals and the final match were played on the Volleyball Court, and the atmosphere was electrifying. The spectators cheered for their favorite teams, and the players gave their best on the field.

Thanks to the management and our dear Principal Sajeev Sir for giving us all encouragement and support. Special thanks to our beloved HOD Caren miss , Association faculty advisor Agnel sir for being with us the whole day. We thank all the participants for actively participating in the tournament and make it a grand success.

