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



Techletics

Techletics 22 was a techno- cultural fest that witnessed the extravagant showroom of both technical and cultural events. Techfest 22 had more than 60 events that included both technical and cultural programs. This paved the way for the youth around Kerala to hurdle up and create memories.

The Electronics and Communication department of Christ college of engineering presented its flagship event 'PRISMAX'. It comprised of 9 events, which were Kryptos, Quasar, VR Expo, Battlefield, Motorbike racing, Challenge room, Squid game, Evolution of electronics and Replica.

Kryptos

An online event organised in association with ER&DCI institute of technology.

This was an online event which aimed to capture the flag which had the participants eagerly waiting for all its levels.

Quasar

This was a space expo that had it's footprints elevating the extraterrestrial experience a person could perceive in space.

VR Expo

This was an expo that enrolled students to have hands-on experience with the latest VR technology.

It aimed to educate and inculcate the students with the application and the upcoming era of VR technologies.

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Battle field

It was a physically challenging arena that was setup to provide an immersive experience on laser tag with a twist.

A group of 10 were to compete against each other and the last man standing wins!

Motor bike racing

A in-house motorbike simulator that rejuvenated the shrill and thrills of riding a motorcycle in the comfort of the indoors.

Challenge room

An area that was solely aimed to rejuvenate our minds and spirits, to take up challenges and be the best of the lot.

A series of challenges and games that trained both the body and mind to be sharp and agile and aimed to develop a competitive mindset in students.

Squid game

It was a game setup that aimed to provide the students with a real life experience of the Netflix series Squid game.

The ultimate squid game simulator replicated the first game in the series.

Evolution of electronics

In association with BSNL and All India Radio the students were exposed to the history of how electronics originated and how it is now!

Replica

It was an offline event that aimed at the participation of students to grasp and analyse the waves and replicate it without further aid.

These events witnessed around 1300 students from around kerala. These events were well coordinated by students and staff, more precisely, ECTA .



PROJECT EXPO S6 ECE- JULY

This was an event where the students of S6 EC brought 15 application level innovative projects that took place on July 26, 2022. The Executive Director, Rev. Fr. John Paliakara , inaugurated it and encouraged the students to propose the idea of one project per semester. The event was blessed with the presence of The Joint Directors, Rev Fr. Joy, Rev Fr. Antony who encouraged and supported the students for their innovative ideas. The Principal Sajeew John, Vice Principal VD John, Sunil Paul Sir , Aswin sir and Linto sir also supported and motivated the students. Dr. Nandan Kumar and Mr.Arun (Asst. Professor) made the final judgement of the project. Ms. Della and Mr. Agnel John (Asst. Professors, ECE department) served as the staff coordinators for the event.



Department of Electronics and Communication Engineering

PROJECT EXPO

S6 ECE | 2019-23

FASCINATING FRIDAY

24th June 2022, celebrated as Fascinating Friday, included three skill development activities - 'LED Bulb Assembly' for S2 ECE, 'Tinkercad' for S4 ECE and 'Embedded System Design for projects' for S6 ECE. This day was jointly celebrated by the Electronics and Communication Engineering and IETE. These sessions that helped students to improve their skills in different domains were handled by Mr. Agnel John, Ms. Sreelekha T, Mr. Rajiv TR (Asst. Professors of ECE).

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

Fascinating Friday

S2 ECE
SPARC
Light up your world
Hands on Workshop
LED BULB ASSEMBLY
Coordinator : Mr. Agnel John KJ
(Asst. Prof, ECE)

S4 ECE
Add on Course
TINKERCAD
Resource person : Ms. Sreelekha T
(Asst. Prof, ECE)

S6 ECE
Add on Course
Embedded System
design for projects
Resource person : Mr. Rajiv T R
(Asst. Prof, ECE)

IETE
INSTITUTE OF ELECTRONICS AND TELECOMMUNICATIONS
www.iete.org

ADD-ON COURSE FOR S2 ECE STUDENTS ON COMPUTER HARDWARE



A session for understanding the basics of computer hardware, SMD components, soldering, performing troubleshooting of PCs at the chip level, SMD workstation, etc., were held for the electronics engineering students of batch 2021-25. The skills they acquired from this session would be helpful in their career in electronics and network engineering. It also serves as the basis for obtaining Cisco Certified Technician (CCT), CCNA, MTA, etc., that could help them advance in their career path. This interactive concourse that ignited the inquisitiveness of participants was well-coordinated by Dr. Caren Babu(HOD, Electronics and Communication Department, Christ College of Engineering).

PARENTS GET TOGETHER



2018 Batch Parent's get-together for sharing their experience & feedback was held on 14th May 2022 .This session was immensely interactive and absorbing .Parents found this session beneficial and were willing to attend a similar session in the future. Fr. John Paliakara, Dr .Sajeev John sir and Roshan Sir were all present in this memorable event.This event was organised in an efficient & orderly manner by Mr. Rahul Manohar O (Assistant Professor, ECE).

SPARC - LED SALE INAUGURATION



The sale of LED bulbs manufactured by the Department of ECE was inaugurated by the Executive Director Fr John Paliakara CMI by accepting the first product from students on 21st July 2022. LED Bulbs are being assembled mainly by the first year ECE students under a project named 'SPARC', Coordinated by Mr. Agnel John KJ and assisted by Mr. Aswin TA Mr. Linto Davis. 9W Bulbs were made available for purchase at a rate of 65/- per piece.

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.

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.



EDITORIAL TEAM

STAFF EDITORS

Dr. Caren Babu
Mr. Tony C Thomas

STUDENT EDITORS

Aswin KM (S6 ECE)
Angel Stanislaus (S6 ECE)
Aleena John Gratus (S4 ECE)
Bastin Jaison (S6 ECE)
Edwin Wilson (S6 ECE)
Rhithik Raj V (S76ECE)
Sourav Sunilkumar (S6 ECE)
Glenda PV (S6 ECE)

LET'S DUET



The department of ECE hosted an intra-college duet song competition called "Let's Duet." The event drew eleven teams, with five making it to the finals. The finals were held on July 11th, 2022, at 4:00 pm at the open auditorium. Mr Dilraj Gopi, a freelance music producer and sound engineer and Ms. Reshma PB, a lab instructor at BSH, made up the judging panel. The winners were felicitated with cash awards. Tony C Thomas, Agnel John K J and Catherine J Nereveetil served as the staff coordinators for the event.

S6 ECE INDUSTRIAL VISIT TO KEL, EDARIKKOD



The students of the S6 Electronics and Communication Engineering batch of 2019-2023 visited Kerala Electrical and Allied Engineering Co.Ltd., one of the largest productive public sector undertakings completely owned by the Government of Kerala at Edarikkod, Malappuram on 08/07/2022 as part of their Industrial Visit.

They were taught about transformers and its manufacturing where the queries put forward by the students were also cleared.

The Industrial Visit was accompanied by a visit to Mini Ooty and the beach. This visit helped to impart technical knowledge and exposure to the students.

SYNAPSE 2 OUTREACH PROGRAMME



The Electronics and Communication department of Christ College of Engineering has successfully organised 'SALT' on 9th July 2022, at St.Mary's HSS Irinjalakuda. The students were divided into batches of 60 and later into several different groups for an interactive session. Few basics on the Arduino circuit and Arduino sensors were introduced. The students were provided with the basics of circuit simulation using Tinkercad software and finished off with a display of robots. The program was well coordinated by Ms.Della Reasa (Asst.Professor, ECE) and student coordinators - Samuel Lobins, Hrishsikesh Prasad, Amal krishna K V, Paul Joy Chirayath and Ivan Kavungal

INDUSTRIAL VISIT TO KEL BY S2 ECE

An Industrial Visit to "Kerala Electrical and Allied Engineering Co. Ltd", Mamala, Kochi was organised by the Second semester, ECE Department of batch 2021-2025 on Friday, the 8th of July 2022. It provided the students with a great opportunity to gain knowledge about transformers and its manufacturing, the company manufacturers and markets, the products like general purpose brushless alternators for lighting, air conditioning of rail coaches, medium power and distribution transformers as well as about structural steel fabrications.



The visit also provided a detailed understanding about manufacturing parts, winding of transformers- its transportation and procedures adopted for casting, testing etc. This industrial visit was successfully conducted and coordinated by John Peter and Jenet Jimmy (Student Representatives) under the guidance of Ms. Catherine J Nereveetil and Mr. Agnel John, Assistant Professors of the Department of ECE.

INDUSTRIAL VISIT TO ITI PALAKKAD BY S4 ECE



On 2nd July 2022, 49 students of S4 ECE with Ms. Manju Kollanur and Mr. Rajiv TR (Assistant Professors, ECE) visited one of the five manufacturing plants of ITI LTD located in Palakkad, Kerala, as part of their industrial visit.

The purpose of the expedition was to seek information about practical working environments. A three hour session on PCB design was conducted after which the students were able to interact with the staff members and enquire about the plant. The visit aimed at enhancing the knowledge of the students wherein they gained more information about PCB boards and their making. It also provided them with more knowledge focusing on the practical side of the work.