

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

NEXUS

HOD'S DESK

PROF. DR. ANTO SAHAYA DHAS

Engineering education is not merely sticking on to the academic curriculum. We should be aware and updated with the technological advancements in the field of Electronics and Communication Engineering. Some of the factors favouring ECE scenario:

Growing convergence between hardware and software – this is something that electronics engineers have an edge in when compared to Computer graduates.

Growing product companies in India. Once we have product companies emerging, electronic engineers are in demand – be it design or comprehensive testing.

Open source : One of the best things that's happening, undercurrent is open source community. When you have a great community to learn from and participate in, learning becomes enjoyable and fast on internet. You don't have to go to a top rated university to learn building a prototype of your product. Finally hands on experience, on whatever little product you are developing is very important in progressing in engineering. So build your future with a vision and be updated

"In the developed world, we are surrounded by electronics - from the computers on our desks to the smart phones in our pockets to the thermostats in our homes to our data in the virtual cloud."

- Joe Kaeser

Prof. Dr. Anto Sahaya Dhas
Head of Department
Electronics And Communication Engineering
Vimal Jyothi Engineering College, Chemperi



VISION

To be a pacesetter in the field of Electronics and Communication Engineering.

MISSION

- To provide quality education for the students in the field of Electronics & Communication Engineering.
- To educate students about professional and ethical responsibilities and train them to build life skills for their career development.

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Jyothirgamaya



CAMPUS IS THE BEST
PLACE TO ENJOY LIFE
HAPPILY; NOTHING ELSE
CAN BEAT THAT; ENJOY
IT FRIENDS



ACHIEVEMENTS





INAUGURATION OF CASS

The IEEE Circuits and System Society of Vimal Jyothi Engineering the inauguration was held on 25/11/2022. The event was welcomed by Dr. Roshini TV (Dean Academic, Faculty Advisor CASS VJEC), Presidential Address by Dr. Benny Joseph (Principal VJEC), Blessings from Fr. Sony Vadasseril (Assistant manager VJEC). The function was inaugurated by Dr. Alex James (Dean Academic, Digital University Kerala), and was felicitated by Dr. Anto Sahaya Dhas (HOD of ECE department VJEC), IEEE Code of Ethics was dictated by Geethika T (Student Chair CASS VJEC), Vote of thanks by Ksheera Sajesh (IEEE CASS student member). The ceremony was coordinated by the faculty coordinators Ms. Shimna PK (Assistant professor VJEC) & Ms. Lekshmy S (Assistant professor VJEC), and student coordinators Ms. Shilpa M Nair (IEEE CASS Secretary VJEC) and Ms. Saishna Shamej (IEEE CASS Secretary VJEC). There were around 200 students along with 40 IEEE members. Later a technical talk was presented by Dr. Alex James on the topic Insights in AI Hardware and Neuromorphic System with Emerging Memories. A good response was put forward by the students and they are eager to know more about this and wanted more sessions like this in future.



PUBLICATIONS

DR.ROSHINI T V

Published a research article "5G-Telecommunication Allocation Network Using IoT Enabled Improved Machine Learning Technique", in Wireless Communications and Mobile Computing, Wiley 2022, Article ID 6229356

MS.SUDARSHANA VIJAYAN, DR.ROSHINI T V

Published a research article "5G-Telecommunication Allocation Network Using IoT Enabled Improved Machine Learning Technique", in Wireless Communications and Mobile Computing, Wiley 2022, Article ID 6229356

MS. ANUSHA CHACKO

presented a paper entitled 'Computational Assessment Model for Blind Medical Image Watermarking with Deep Learning' in the 6th Computational Methods in Systems and Software 2022, October 13, 2022 - October 15, 2022

PROGRAMS ATTENDED:

MS. BINDU SEBASTIAN

successfully completed a one-week online faculty development program on "IoT Induced Artificial Intelligence for emerging computing Paradigms" Organized by The Department of Information Technology Dr. B.R Ambedkar National Institute of Technology Jalandhar from 04-08 October 2022

ALUMINI CORNER

DRAWING



Reshmi T (2007-11 ECE), Staff engineer @ Lifesignals India Pvt Ltd Bangalore

**CONGRATULATIONS AND PRAYER
FULL WISHES TO OUR ALUMNUS
REV.FR.LIBIN JACOB CAPUCHIN
(2007-11 ECE)**



STUDENT CORNER:*NEW ERA OF ELECTRONICS AND COMMUNICATION***BY DINS WILSON S1 ECE**

The Current and The future prospects of Electronics and Communication Engineering

ECE is the major part correspondence framework, which rules everything from advanced science to telecom. Present-day situations and contemporary-day programs like the Internet of Things (IOT), Robotics, and Embedded Systems are especially subject to the comprehension of ECE. These days, we're not ready to live a fraction of second without technologies. Even, we can't imagine that. That's the success of ECE.

What is the scope of Electronics and Communication Engineering (ECE) in India and overseas after passing out from a top engineering college in India?

Since the development of innovation, electronics and communication have come to be essential regions that are expected by enterprises in general. Thus, electronics and communication engineering are the absolute most notable branches of study. As a result, understudies interested in gadgets and correspondence design has a wide range of degrees in various fields. In terms of educational degrees and career options, here are some well-known areas of study in the field of Electronics and Communication, as well as their extensions:

IOT (Internet of Things)

The IOT is bringing unification in the public eye. Today, IOT is being applied anywhere that has to do with human issues like savvy cities, security, shrewd agribusiness, and homegrown robotisation. This has created heaps of buzz among ventures, and presently, every one of the gatherings is searching for candidates who have pragmatic involvement with IOT.

Robotics

On account of the capacity of advanced mechanics in the present business, the degree of profession improvement is multi-layered. Ai attaches well with AI to shape a solid capacity set for a trying ECE proficient! Presently, the vast majority of organizations are turning their consideration toward robots instead of individuals to complete exact positions, basically to lower their expenses and increase efficiency.

Mechatronics

Mechatronics is the study of combining mechanical and electronic ideas into a single device. Industry 4.0 is now here and it is redesigning the way organizations are computerizing their business processes.

Digital Image Processing

Picture handling offers the handling of virtual pictures with the help of PC calculations. As of late, added face discovery in cell phones these days utilizes picture handling calculations to find a picture and do specific assignments. This region has a lot of opportunities for what's to come.

Optics and Photonics:

Upgrade assurance for moving designs, cars (via anti-slip mechanisms or self-driving vehicles), and aero planes (via auto-pilots); biomedical applications such as mechanized drug conveyance (e.g., insulin control for diabetics), controlled prosthesis, and mechanical medical procedures; contamination reduction in vehicles and airplanes.

Nanotechnology and Electronic Materials:

These individuals foster more proficient sun-powered cells, faster semiconductors to run your PCs, chips that help you to follow your pets, and minute sensors for the entire parcel, from air poisons to blood proteins to dissecting minerals on Mars, and are popular these days.

Sustainable Energy and Power Systems:

Humanity is exceptionally reliant upon power, but consuming substances to make power is unfavorable to our current circumstance. Electrical designers are racing to make better sunlight-based cells and windmills to procure power from the tides and heaps of various non-contaminating sources. The shrewd lattice is one more designed way to deal with more effective energy use to save the planet.

Telecom Sector

The subject of broadcast communications is a promising region as far as the gig prospects that it offers of real value. Since everything is about cell phones and compact availability nowadays, there's no shortage of occupation prospects here! You might go directly to work for worldwide companies like Verizon.

In General,

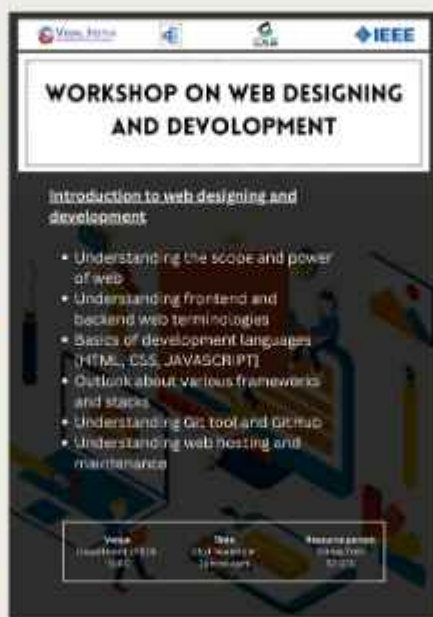
Electronics and communication engineering is present all around us. And the world is being controlled by ECE. An Electronics and Communication engineer rules the present and the upcoming future. Be an ECE engineer; be ready to rule the world.

*"ONCE A NEW TECHNOLOGY ROLLS
OVER YOU, IF YOU'RE NOT PART OF
THE STEAMROLLER, YOU'RE PART OF
THE ROAD"*

CONGRATULATIONS:

KTU F-ZONE BADMINTON CHAMPIONSHIP

KTU F-ZONE BASKETBALL CHAMPIONSHIP





HAPPY
CHRISTMAS
&
HAPPY NEW
YEAR

UPCOMING EVENTS:



PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

1. Graduates will have successful career in the field of Electronics and Communication Engineering and allied sectors
2. Graduates will have the ability to pursue higher studies and research
3. Graduates will demonstrate entrepreneurial skills to develop innovative products and services
4. Graduates will adapt to different roles in global working environment by respecting diversity and professional ethics



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