

NEXUS



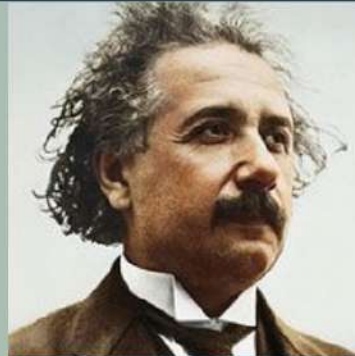
Department Of ECE, Vimal Jyothi Engineering College

VISION

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

MISSION

- M1. To provide quality education for the students in the field of Electronics and Communication Engineering.
- M2. To educate students about professional and ethical responsibilities and train them to build life skills for their career development.



“Try not to become a man of success, but rather try to become a man of value”

- Albert Einstein

HOD's Desk

It gives me immense pleasure to note that another edition of NEXUS is ready for launch. Truly, irrespective of class or cadre or calibre, it is the dynamism and pervasiveness of the vision that can lead to sustainable excellence. The big theme today is to focus on creativity and innovation alongside academics. Entrepreneurial wealth creation has been explosive on account of the massive impact made by technology start-ups. It is research and development that fosters innovation and out of the box thinking, be it in design or in implementation. Interact with your predecessors pursuing their passions as entrepreneurs or as employees and they would vouch for the fact that career progression or wealth creation happens only when the vision extends beyond the periphery. Apply your mind in everything you do, whether it is a small laboratory project or a longer semester project. Understand the “Why”, investigate the “Why not” and think through the “How else” and you would already have become an Inventor or Pioneer. Wishes to our committed faculty members, supporting staffs and dear students to have a glorious new academic year. “Never Ever Give Up”. Stay Safe.

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Dr. Anto Sahaya Dhas.

We would like to give a warm welcome and congratulations as well to our new head of the department Dr. Anto Sahaya Dhas.



Dr. Roshini T V

You have been a true and amazing leader to us. Thank you so much for everything. All the success and best wishes for the newly assigned position as dean academics



Ms.Reema Mathew

A warm welcome and lots of good wishes on becoming part of our ECE family.



PUBLICATIONS

Dr. Jayesh George, "Automated breast cancer detection using hybrid extreme learning machine classifier" was published in Journal of Journal of Ambient Intelligence and Humanized Computing (Springer)

WEBINAR PARTICIPATION

1. Dr. Anto Sahaya Dhas attended 5 days industry focused program on "The role of engineers in making India a five trillion dollar economy" from 22nd June to 26 June 2020.
2. Mrs. Bindhu Sebastian attended one week online FDP program starting from 1-07-20 on "Essentials for Blended Learning" organized by Department of Information Technology, Dr. M.G R Educational and Research Institute, Chennai.
3. All staff members attended the webinar on Funding projects, Consultancies, and book writing by Dr. Kothari former VC, VIT organized by the department.
4. Dr. Anto Sahaya Dhas attended One day Faculty focus program on "COVID-19 impact on industries in India" on 18th June 2020.

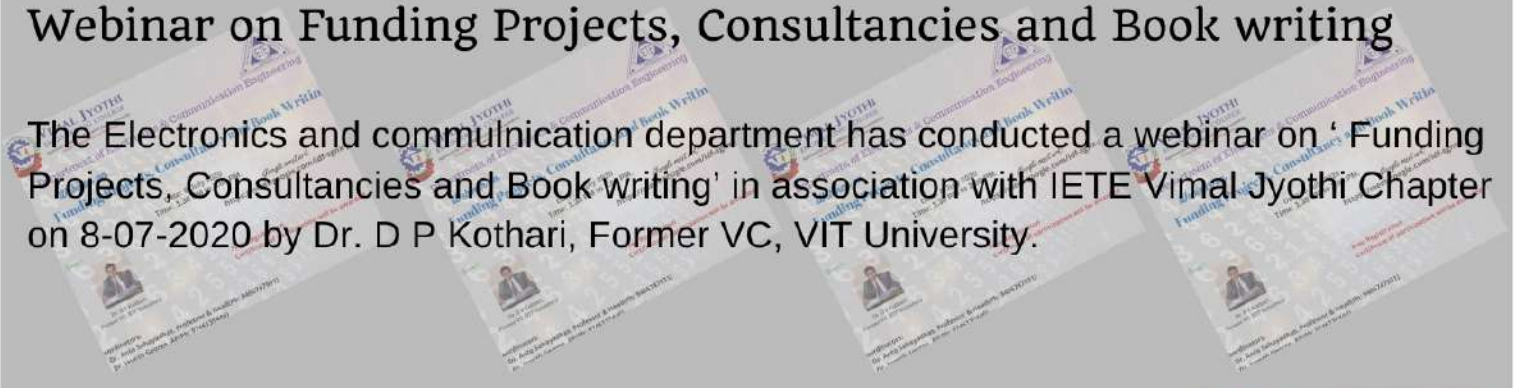
5. Mrs. Ann Mathew attended one day webinar "Internet of Things with Data Science" on 29th July 2020 organized by Lourdes Matha College of Science & Technology.

6. Dr. Anto Sahaya Dhas attended One day Faculty focus program on "How to be an excellent online tutor" on 21st May 2020.

EVENTS CONDUCTED

Webinar on Funding Projects, Consultancies and Book writing

The Electronics and communication department has conducted a webinar on 'Funding Projects, Consultancies and Book writing' in association with IETE Vimal Jyothi Chapter on 8-07-2020 by Dr. D P Kothari, Former VC, VIT University.



Webinar on Programming Skill Development

The Electronics and communication department has conducted a webinar on 'Programming Skill Development' in association with IETE Vimal Jyothi Chapter from 27-07-2020 to 29-07-2020 by Mr. Rajendran Subramanian, Director of Silicon Software Technologies, Chennai.



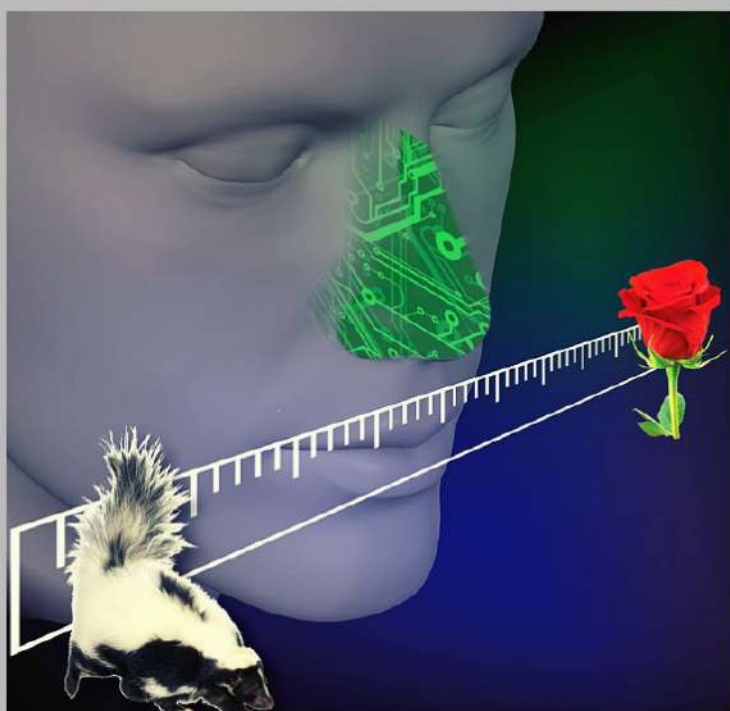
PTA MEETING

With the pandemic prevailing the department PTA meeting for All ECE Batch was held on 23rd July 2020 10.00 AM by using Google meet online platform. Dr. Anto Sahaya Dhas HOD ECE gave the welcome speech, Principal Dr. Benny Joseph addressed the parents and spoke about the new academic year planning, requirements etc. Manger Rev. Fr. James Chellamkottu gave the managers speech. PRO Mr. Sebastian Puthanpura addressed gathering. Parents appreciated the college for conducting online classes and activities in a well planned manner.



ELECTRONIC NOSE

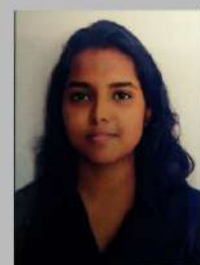
Electronic noses are being developed as systems for the automated detection and classification of odours, vapours, gases. An electronic nose is generally composed of a chemical sensing system and a pattern recognition system. Over the last decades “electronic sensing” or “e-sensing” technologies have undergone important developments from a technical and commercial point of view.



The two main components of an electronic nose are the sensing system and the automated pattern recognition system. The sensing system can be an array of several different sensing elements eg., Chemical sensors, where each element measures a different property of the sensed chemical, or it can be a single sensing device eg., Spectrum. Since 1982, research has been conducted to develop technologies, commonly referred to as electronic noses, that could detect and recognize odours and flavours.

The stages of the recognition process are similar to human olfaction and are performed for identification, comparison, quantification and other applications, including data storage and retrieval.

Angitha N
S3 ECE



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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