

NEXUS

Department of 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.

THIS ISSUE

- HOD'S DESKPage 1
- AGAPEPage 2
- GANATHANTHRAPage 3
- PUBLICATIONSPage 4
- FDP/WORKSHOP Page 4
- WEBINAR PARTICIPATIONPage 5
- NPTEL CERTIFICATIONPage 5
- ARTICLEPage 6
- TESTIMONYPage 7
- PLACEMENTPage 7



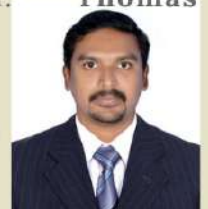
**INNOVATION COMES FROM PEOPLE WHO
TAKES JOY IN THEIR WORK.**

- W. Edwards Deming -

HOD'S DESK

It gives me immense pleasure to note that another edition of NEXUS is ready for launch. Electronics Engineering is changing the way we think and work, and plays a significant role not only in solving different kinds of engineering and technological problems but also in satisfying societal needs such as health care. Consequently, great advances have taken place in the field of Electronics and Communication Engineering, bringing together the understanding of the scientific and technological foundations of electronics, the concepts of design-oriented software and hardware as well as those of communication technologies. We as Electronics engineers endeavours to contribute to these advances through our new ideas and research in this field. "Genius is one percent inspiration and ninety-nine percent perspiration." **Thomas Edison.**

Prof. Dr. Anto Sahaya Dhas
Head of Department



AGAPE

Christmas & New Year Celebration



The festival of Christmas celebrates the glorious advent of the Son of God, Jesus born in Bethlehem. His message of Love and Compassion inspires millions of followers all over the world today. Christmas is a time to give and forgive. Excitement reverberated in the air as the festival of joy and giving was celebrated with great festive spirit by the department of Electronics & Communication, VJEC. The celebration started with a meaningful thought. A pleasant and happy atmosphere was created with the singing of Christmas Carols. The message of Christmas was clearly brought out by Rev. Fr. Alex Tharamangalam. The joy and excitement of students knew no bounds when Santa Claus made a grand entry. The entire program got boost up with colourful events and through fun and celebration the very important message of peace, hope, love and joy was shared.

GANATHANTHRA

Republic Day Celebration



India won her freedom on 15th of August 1947 and became a Republic on the 25th of January 1950. The new constitution of free India came into force with effect from this day. It is a day of national rejoicing and a red-letter day in our country. The day is celebrated with pomp and show, zeal and spirit, throughout the length and breadth of the country. The day was celebrated by the Electronics and Communication department with great eclat. The students took pride in glorifying and celebrating the spirit of unity and brotherhood. The chief guest Rev. Fr. James Chellamkottu made a neat, little speech which was very impressive. Various events were organised by the department followed by the National Anthem. In fact, it was a day of rejoicing and merry-making. May we continue celebrating this day forever!

PUBLICATIONS

- **Dr. Jayesh George**, “Early detection of breast malignancy using wavelet features and optimized classifier” was published in WILEY Publication (Indexed in SCIE, SCOPUS, UGC-CARE List)

FDP/WORKSHOP

Mr. Manoj K C & Ms. Sudharsana Vijayan attended AICTE Sponsored 6 Days STTP On “Data Analytics in Biomedical Engineering” (14th-19th December 2020), organized by Department of Biomedical Engineering, Karpagam Academy of Higher Education, Coimbatore.

Mr. Manoj K C, Mr. Binil Kumar & Ms. Sudharsana Vijayan attended AICTE Sponsored 5 Days FDP On “Internet Of Things” (11th-15th January 2021), organized by LBS College of Engineering, Kasaragod.

Mr. Manoj K C , Ms. Shimna P K & Ms. Sudharsana Vijayan attended TEQIP II Sponsored 6 Days FDP On “Python Programming for Computer Vision and Data Science” (28th December 2020 to 2nd January 2021), organized by Department of Electronics & Communication Engineering, TKM College, Kollam.

Ms. Sudharsana Vijayan attended AICTE Sponsored 5 Days FDP On “Artificial Intelligence & Robotics” (18th-22nd January 2021), organized by Department of Electronics & Communication Engineering, Tripura University.

Ms. Bindu Sebastian attended 3 Days Workshop On “Antenna Design & Its Application ” (17th-19th December 2020), organized by Department of Electronics & Communication Engineering, MEPCO Engineering College, Sivakasi.

Ms. Bindu Sebastian attended AICTE Sponsored 6 Days STTP On “IoT & Data Science ” (28th December 2020 to 2nd January 2021), organized by Department of Electronics & Communication Engineering, St. Joseph’s College of Engineering Technology, Palai.

Dr. Jayesh George M & Mr. Adharsh KS were attended the AICTE sponsored Six Days Short Term Training Program on “IoT and Data Science” conducted by Department of Electronics and Communication Engineering, St. Joseph’s College of Engineering and Technology from 28/12/2020 to 02/01/2021.

Dr. Jayesh George M, Mr. Adharsh K S, & Ms. Ann Mathew were attended AICTE Training And Learning (ATAL) Academy Online FACULTY DEVELOPMENT PROGRAMME on “Wearable Devices” from 2021-1-11 to 2021-1-15 at Saintgits College of Engineering.

- **Ms. Grace John** attended AICTE Sponsored 5 Days STTP On “Application of Artificial intelligence Technique in Overcoming the Challenges of Healthcare Industry” (4th-9th January 2021), organized by Department of Electronics & Communication Engineering, Knowledge Institute of Technology, Salem, Tamilnadu.
- **Ms. Ann Mathew** attended AICTE Sponsored 5 Days FDP On “Electromagnetics and Antenna Technology” (1st -5th December 2020), organized by LBS Institute of Technology for womens.

WEBINAR PARTICIPATION

- **Dr. Anto sahaya Dhas** attended a three days webinar on "Emerging technologies, trends and challenges of wireless body area networks" organised by IEEE Madras section from 21st to 23rd December 2020.
- **Ms. Bindu Sebastian** Participated in the webinar “Demystifying 5G & It's Impacts” on 5th December 2020 organized by Department of Electronics & Communication Engineering, St. Thomas College of Engineering Technology, Kozhuvallloor.

NPTEL CERTIFICATION

Name	Course	Type of Certificate
Megha Mahesh	Programming in Java	Elite+Silver
Kavya Prasad	Programming in Java	Elite+Silver
Ridhusha M	The joy of computing using Python	Elite
Megha Mahesh	The joy of computing using Python	Elite
Prethika B Dev	Introduction to Internet of Things	Elite
Arya T P	Introduction to Internet of Things	Elite
Deepthi Joseph	Introduction to Internet of Things	Elite
Meghna Sudharman	Introduction to Internet of Things	Success fully Completed
Fathmathul Husna Moideen	Introduction to Internet of Things	Success fully Completed
Sandar Venugopalan	Microprocessor and Microcontrioller	Success fully Completed
Shamila C P	Microprocessor and Microcontrioller	Success fully Completed

ARTICLE

VACCINATION AGAINST COVID-19

COVID-19 is a disease that had caused great disasters, as it has taken many lives and created fear in the mind of people. About 2.16M people dead due to COVID-19 in world and in India it is 154K.

Now it's time to get rid of this disaster as the vaccine is been introduced to us and its supply has been started from January 16 the vaccine consist of two doses they are Covishield and Covaxin. The Covishield (the local name for the oxford-AstraZeneca vaccine developed in the UK) and Covaxin, locally-made by pharma company Bharat Biotech. The first dose is given for the people working medical field, vaccine is safe for those people above the age group of 18 and even the people suffering from diabetes, high per tension. India is a vaccine powerhouse: it makes 60% of the world's vaccines and is home to half a dozen major manufacturers.



International clinical trials of the oxford-AstraZeneca vaccine showed that when people were given a half dose and then a full dose, effectiveness hit 90%. However, unpublished data suggests that leaving a longer gap between the first and second doses increases the overall effectiveness of the jab - in a sub-group given the vaccine this way it was found to be 70% effective after the first dose. Clinical trials are a three-phased process to determine whether the vaccine induces good immune responses and whether it causes any unacceptable side-effects. Serum institute (sii), the Indian makers of the vaccine, say Covishield is "highly effective" and backed by phase iii trial data from brazil and United Kingdom.

Shilpa M Nair
S7 ECE



TESTIMONY

First of all I would like to thank Vimal Jyothi Engineering College for giving this opportunity to share my experience. I did my graduation in Electronics and Communication (batch 2016 - 2020). This college provides a calm and peaceful environment to every student to excel and bring their best in academics. I am sincerely thankful to all the faculty of Electronics and Communication department in Vimal Jyothi. It is because of their guidance and motivation that I have completed B.Tech with Honours. I thank God, my family members, teacher's and Adarsh Sir for supporting and helping me to get placed in Intel. I am privileged to be a part of Vimal Jyothi family.

Amrutha Nanukuttan
(2016-20 Batch)



PLACEMENT CORNER

 **VIMAL JYOTHI**
ENGINEERING COLLEGE

Congratulations!

Amrutha Nanukuttan
(2016-20 Batch)

Department of
ECE

Placed in 

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

EDITORIAL BOARD

Mrs. Sudharsana Vijayan (Assistant Professor, ECE)

Mrs. Grace John M (Assistant Professor, ECE)

Student Editors:

Abin Mathew Sali (S5 ECE)

Sanjay Prakash (S7 ECE)

Designed by Abin Mathew Sali (S5 ECE)