

# NEXUS



DEPARTMENT OF ECE, VIMAL JYOTHI ENGINEERING COLLEGE

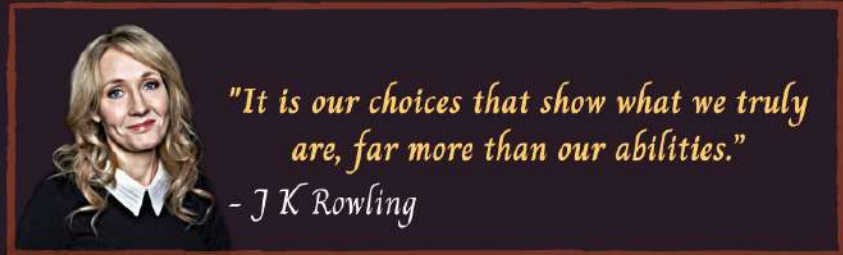
## VISION

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.



## HOD'S DESK

It gives me immense pleasure to note that another edition of NEXUS is ready for launch. Truly, irrespective of class, 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. Blend some street-smart business sense to the whole thing and you would have transcended to an entrepreneur!!! Wealth creation is meaningless unless it heralds prosperity for posterity. That warrants ethical responses from all stakeholders. That also demands an aspiration to see from a larger canvas and for a longer horizon. Or in other words, flavour your business offering with a sense of ethics and generations will call you a Visionary!!! Nurture the Visionary in you!!! This is a common dream!!!

### THIS ISSUE

- HOD'S DESK.....PAGE 1
- FAREWELL.....PAGE 2
- PUBLICATIONS.....PAGE 5
- EVENTS CONDUCTED.....PAGE 3
- WEBINAR PARTICIPATION.....PAGE 4-6
- ARTICLE.....PAGE 6-7
- PTA MEETING.....PAGE 7
- PLACEMENT CORNER.....PAGE 8
- UPCOMING EVENTS.....PAGE 11

**Prof. Dr. Anto Sahaya Dhas**

HOD



# ➤ FAREWELL TO 2016-20 BATCH



*"Happy journey. You are now on a ship that sails you in a new voyage of opportunities and career establishments. Good luck on your new journey. May success always be with you."*



CONGRATULATIONS

*Dr. Reema Mathew*



Ms. Reema Mathew has successfully defended her Phd thesis under the guidance of Professor Dr. Babu Anto Department of IT Kannur University.

## ➤ PUBLICATIONS

1. Dr. Reema Mathew, published a paper titled "Script identification: A Review", International Journal of Current Engineering and Scientific Research, VOLUME-8, ISSUE-1, 2021, ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, pp.92-99
2. Dr. Reema Mathew published a paper titled "Identification of Plant Disease: A Review", International Journal Of Current Engineering And Scientific Research, VOLUME-8, ISSUE-1, 2021, ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, pp.107-114

## ➤ EVENTS CONDUCTED

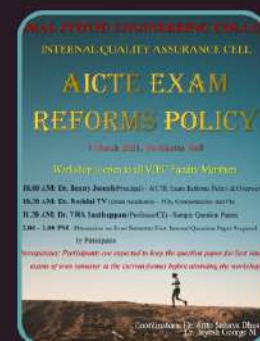
### Webinar on "Fueling innovation for the future": 12-02-2021

The Electronics and Communication Department has conducted a webinar on 'Fueling innovation for the future in association with IEDC Vimal Jyothi Chapter on 12-02-2021 by Mr. Arun J S Nodal officer Catalyst Mar Baselios IEDC.



### Workshop on "AICTE Exams Reforms Policy" : 04-03-2021

Vimal Jyothi Engineering College in association with internal quality assurance team conducted one day workshop on AICTE Exams Reforms Policy on 4th March 2021



## WEBINAR PARTICIPATION

1. **Dr. Anto Sahaya Dhas** attended awareness webinar on outcome-based education and accreditation conducted jointly by APJ Abdul Kalam Technological University and National Board of Accreditation on 9th March 2021
2. **Dr. Roshini T V** attended awareness webinar on outcome-based education and accreditation conducted jointly by APJ Abdul Kalam Technological University and National Board of Accreditation on 9th March 2021
3. **Mr. Vinod J Thomas** and **Ms. Bindu Sebastian** has participated in the AICTE ATAL Academy sponsored Online FDP on “Artificial Intelligence” from 22nd February 2021 to 26th February 2021, conducted at Model Engineering College Ernakulam.
4. **Dr. Reema Mathew** attended AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2021-2-1 to 2021-2-5 at Knowledge Institute of Technology.
5. **Dr. Reema Mathew, Mr. Vinod J Thomas, Anusha Chacko** and **Mr. Jithin James** Participated in the CSI sponsored FDP on “Machine learning with its mathematical foundations” from 2nd March to 6th March, organized by the department of CSE, Vimal Jyothi Engineering college Chemperi.
6. **Mr. Vinod J Thomas** Completed two days online technical seminar on “Emerging technological trends and future challenges in telemedicine” from 19th February 2021 to 20th February 2021, organized by MEPCO SCHLENK Engineering college (Autonomous) Sivakasi
7. **Mr. Manoj K C** and **Ms. Anusha Chacko** Participated in an online 3 Day workshop on Electronic Circuit Simulation using eSim from 11 February to 13 February 2021 organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MoE, Govt. of India.

8. **Ms. Grace John M, Mr. Jithin James and Ms. Sudarshana Vijayan** Attended Online 3 Day workshop on "Scilab" Organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MoE, Govt. of India from 04.03.2021 to 06.03.2021.

9. **Ms. Sudarshana Vijayan** successfully completed National Initiatives for Technical Teacher Training under AICTE and ministry of education Govt of India approved ATAL 8 module course (100 days)

10. All ECE faculty members attended One day workshop on 'AICTE Exam reforms policy' on March 4th 2021 conducted by internal quality assurance cell of Vimal Jyothi Engineering College, Chemperi.

## **ARTICLE**

### THE 5G AUCTION : BOON OR TRAP ?

Behold the 5G mid-band auction. The trade press and the FCC itself have touted the auction, concluded late August 2020, as a long-overdue boon to the U.S. But something about it gives me that "Watch Out" feeling.

That something is the 19th Century predatory monopolism of that tag-team combo Standard Oil and the railroads.

The winning corporate bidders will get access to the mid-band frequencies of the electromagnetic spectrum. Their licenses will let them carry video, audio and all manner of data locally to cell phones, laptops and a wide array of other electronic devices. In the mid-band particularly, 5G technology can deliver information exponentially faster than 4G technology could. But in a given territory that channel has limited carrying capacity. The competitiveness of the auction reflects that — over \$4.5 billion bid in this latest round

In 1883, in *Social Problems*, the anti-monopolist reformer Henry George wrote “We are steadily differentiating a governing class, or rather a class of Pretorians, who make a business of gaining political power and then selling it.” (Accordingly, in *Protection or Free Trade*, George advocated for public control of “businesses in their nature monopolies.”) The sell-off is still going on. It carries the same threat to the public interest today that it did in the 19th Century. Case in point: the largest bidder by far, among the winners of the 5G mid-band auction, was Verizon Wireless Network Procurement LP. Unrestrained industrial monopolies which prey, as they so often do, on the public, thereby contribute to income inequality. The more powerful and extensive and numerous such monopolies are, the more they contribute to that state of affairs. It is ironic that the resulting strain that such predation puts on public prosperity contributes to the widespread need for governmental assistance — the welfare state or, as it is also called these days, often contemptuously, socialism. The irony there is that it is the monopolists, whether themselves or through their spokespeople, who decry socialism most loudly and widely, to the very public that they prey upon. Like the railroads, the mid-band is a conduit. Like transportation, data transmission is a crucial flow.

*Sandra Elizabeth Alex*  
S2 ECE



## ➤ PTA MEETING

With the pandemic prevailing the department first year PTA meeting held on 22nd February 2021 using Google meet online platform. Dr. Reema Mathew gave the welcome speech, HoD speech done by Dr. Anto Sahayadhas , Principal Dr. Benny Joseph gave the presidential address and the meeting was ended by Mr. Adarsh K S vote of thanks .Parents are satisfied with the academics.

# PLACEMENT CORNER

# Congratulations!



Rohith Sreenivasan  
S8 ECE  
(TCS)



Sanjay Prakash  
S8 ECE  
(TCS)



Vyshakh Gireesh  
S8 ECE  
(TCS)



Hrishika C  
S8 ECE  
(Technologics Global Pvt. Ltd)



Preethika B Dev  
S8 ECE  
(QuEST Global)



Abhirami Venugopal  
S8 ECE  
(Lazim Software Solutions)



Fathimathul Husna Moideen  
S8 ECE  
(Lazim Software Solutions)



Ranjitha C V  
M.Tech  
(TCS)

# UPCOMING EVENTS



IETE Sponsored

5 days

Online Faculty Development Program

on



**"PYTHON FOR ENGINEERS"**

26th April 2021-30th April 2021

Organized by

DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING



**VIMAL JYOTHI  
ENGINEERING COLLEGE**

Chemperi, Kannur, Kerala-670632

[www.vjec.ac.in](http://www.vjec.ac.in)



## COURSE OUTCOMES:

After the completion of this FDP, participants will be able to

- 01** Understand and apply python programming for various engineering applications.
- 02** Design practical solutions various real time problems.
- 03** Obtain knowledge about Mathematics, Data Science so that various problems in machine learning area can be addressed.

## ORGANIZING COMMITTEE

Chief Patron

Rev. Fr James Chellamkottu  
Manager

Patron

Dr. Benny Joseph  
Principal

Convener

Dr. D Anto Sahaya Dhas  
Professor & HOD, ECE

Coordinators

Dr. Reema Mathew A  
Associate Professor ECE  
9645527132

Dr. Jayesh George M  
Associate Professor ECE  
9746135446

mail id - [vjececefdp@gmail.com](mailto:vjececefdp@gmail.com)





Wishing you and your family a blessed Easter. May God's grace be upon you and your family.



## 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. Grace John M (Assistant Professor, ECE)

Ms. Sudharsana Vijayan (Assistant Professor, ECE )

Student Editor : Sanjay Prakash (S8, ECE)

Designed by Sanjay Prakash (S8, ECE)

