

NEXUS



DEPARTMENT OF ECE, VIMAL JYOTHI ENGINEERING COLLEGE

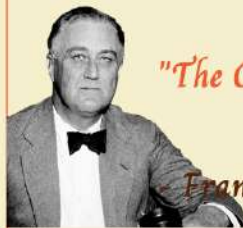
VISION

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.



"The Only Limit To Our Realization Of Tomorrow Will Be Our Doubts Of Today."

Franklin D. Roosevelt

HOD'S DESK

Education is not an act of acquiring knowledge but learning a skill to lead life and forming one's personality. This is an ennobling process of growth. I can boldly say that we have excelled in every initiative that we undertook and we have stood together in facing the challenges in realizing quality education. Our department has been actively involved in various activities that have brought to light the hidden talents of our students and faculty. I am happy to note that our department is coming out with another new edition of our Newsletter "NEXUS". The Newsletter is presenting a glimpse of the growth of the Department on many fronts. I congratulate the department for their commitment towards the provision of excellent all-round education for our students. I also wish them to move forward with confidence, pride and enthusiasm. As Sir Henry Royce said "Strive for perfection in everything you do. Take the best that exists and make it better. When it does not exist, design it."

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Prof. Dr. Anto Sahaya Dhas
HOD



1. All the faculty members of ECE department attended 5 Days Online FDP On “PYTHON FOR ENGINEERS” organized by Electronics and communication department, Vimal Jyothi Engineering college, in association with IETE Vimal Jyothi Chapter from 26th to 30th April 2021
2. Dr. Reema Mathew attended one week AICTE Sponsored Online STTP On “Machine Learning On Recent Trends & Application Phase-I” organized by Electronics and communication department, Srinivasa Ramanujan Institute of Technology, Andra Pradesh from 10th to 15th May 2021
3. Dr. Reema Mathew attended Three Day KTU Sponsored Online FDP On “IOT Based Autonomous Robot” organized by Electronics and Instrumentation department, Vimal Jyothi Engineering college from 28th to 30th April 2021
4. Mr. Vinod J Thomas Participated in the IEEE sponsored three days National level workshop on Research methodology organized by Annai Vailankanni College of Engineering, Kanyakumari from 2nd to 4th June 2021

TALK ON ‘CAREER OPPORTUNITIES’: 29-05-2021

The Electronics and communication department has conducted a talk on ‘Career Opportunities’ in association with IETE Vimal Jyothi Chapter on 29-05-2021 by Mr. Fabin Alex (System Engineer, Infosys) for S6 Students

TALK ON ‘FUNDEMENTAL FREEDOM: 19-05-2021

The Electronics and communication department has conducted a Talk on ‘Fundemental Freedom’ in association with IETE Vimal Jyothi Chapter on 19-05-2021 for S4 Students. The speaker Adv. Mohan Raj T.P , Advocate High Court of Kerala & Guest faculty at School of Legal Studies, CUSAT.

FDP ON “PYTHON FOR ENGINEERS”: 26TH TO 30TH APRIL 2021

The Electronics and communication department has conducted a Faculty Development Program on “PYTHON FOR ENGINEERS” Sponsored by IETE Vimal Jyothi Chapter from 26th to 30th April 2021

WORKSHOP ON “INTRODUCTION TO ROBOTICS”: 29TH MAY 2021

The Electronics and communication department has conducted a Workshop on “Introduction to Robotics” in association with IETE Vimal Jyothi Chapter on 29-05-2021 by Mr Sunil Paul, Asst professor, Christ College of Engineering for S2 Students

➤ WEBINAR PARTICIPATION

Ms. Bindu Sebastian attended 2 Days Workshop On “Intellectual Property Right & IP Management for startup” organized by MESCOE-IIC, an initiative of MHRD’s Innovation Cell On 24th & 25th May 2021

➤ ADVISORY COMMITTEE MEETING

1.The Electronics and communication department has conducted first advisory committee meetings for S4 ECE & S2 ECE On 21st May 2021

2.The Electronics and communication department has conducted course team meetings for S4 ECE & S2 ECE On 21st April 2021

➤ CLASS COMMITTEE MEETING

The Electronics and communication department has conducted First & Second Class committee meetings for S6 ECE On 13th April 2021 & 21st May 2021

ONLINE PTA MEETING

Conducted online PTA meeting on 25th May 2021 for S6 Students and Discuss online classes & Placement activities

ARTICLE

THROUGH THE GLIMPSES OF AI

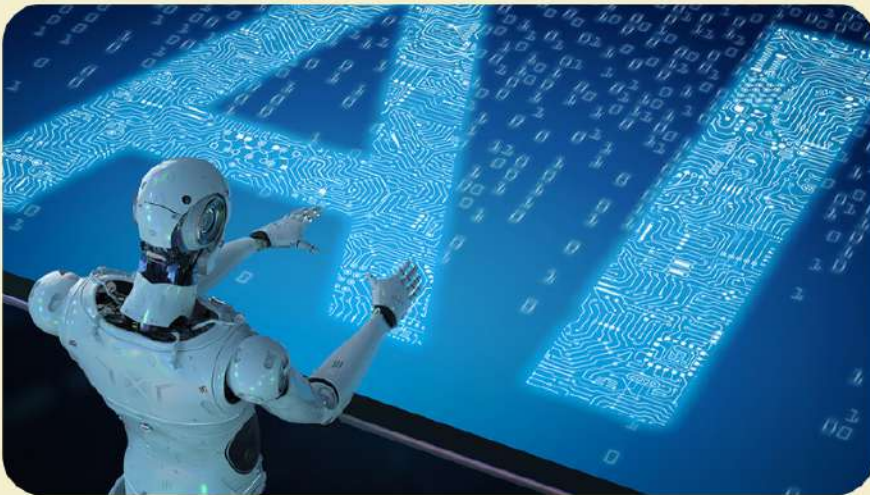
The AI vision was articulated over seventy years ago when Alan Turing proposed the Turing Test as a measure of machine intelligence and Issac Asimov published his Three Laws of Robotics. AI since then has been defined as a pool of technologies that enables machines to perceive their surrounding environments, reason over their context, and ultimately act in a way similar to humans. AI technologies can understand, analyse, and learn from data through specially designed algorithms, which are complex mathematical formulas and operations. There are various fields of artificial intelligence- Machine learning, deep learning, NLP , etc.

Currently, the artificial intelligence we have is weak or narrow AI — systems designed to perform specific tasks without human intervention, and with a limited range of autonomy in the way, they go about it. But even at this level, numerous AI capabilities are being exploited-such as the ability to sift through vast amounts of data and make logical connections between past actions and different criteria.

The technology is currently deployed in numerous sectors, including transportation, manufacturing, finance, health care, education, and urban planning.

Companies like Amazon, Twitter, Netflix, Pinterest, Google, etc are using artificial intelligence to enhance their operations and to gain an edge over the competition.

One of the Principal enabling media for applications of AI is artificial intelligence software. There are four main types of AI software: Artificial Intelligence Platforms, Chatbots, Machine Learning Software, Deep Learning Software. Cortana, Google Assistant, etc are some examples of AI software. In the future, AI will continue to evolve in a way that will enable new disruptive business models and functionalities. It will also play a key role in improving the quality of life by enabling humans to complete tasks more efficiently and in less time. In this direction, emerging deep learning technology is expected to play a key role in analysing more inputs in a timely fashion, while at the same time identifying complex patterns beyond what machine learning can currently provide.



And yet it is never possible to completely predict the future of technology. We do have good evidence that AI will positively disrupt our daily lives while changing the world for the better and we

should prepare to experience this revolution and embrace all that it has to offer.

Anusree K V

S4 ECE



Congratulations!



Mahima K V
S8 ECE
(HCL)



Preethika B Dev
S8 ECE
(Wipro, Infosys)



Amaljith P K
S8 ECE
(Q spiders)



Vimal P
S8 ECE
(Q spiders)



Neubin Sebastian
S8 ECE
(Q spiders)



Megha Mahesh
S8 ECE
(Q spiders)



Keerthana Vinod
S8 ECE
(Q spiders)



Anagha Premraj
S8 ECE
(Q spiders)

UPCOMING EVENTS

CARESTRA 2K21

The Electronics and communication department will be unveiling the departmental Emagazine titled as "CARESTRA" in the coming weeks

TECNOPHILE 2K21

"TECNOPHILE 2K21" , an online tech fest organized by S6 ECE students will be held on June 28 2021.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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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

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Ms. Sudharsana Vijayan (Assistant Professor, ECE)

Student Editor : Sanjay Prakash (SB, ECE)

Designed by Sanjay Prakash (SB, ECE)

