NEXUS

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.

What's inside?

HOD'S DESK

Prof. Dr. Anto Sahaya Dhas

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.

"Science can amuse and fascinate us all, but it is engineering that changes the world." —Isaac Asimov, American writer, professor of biochemistry

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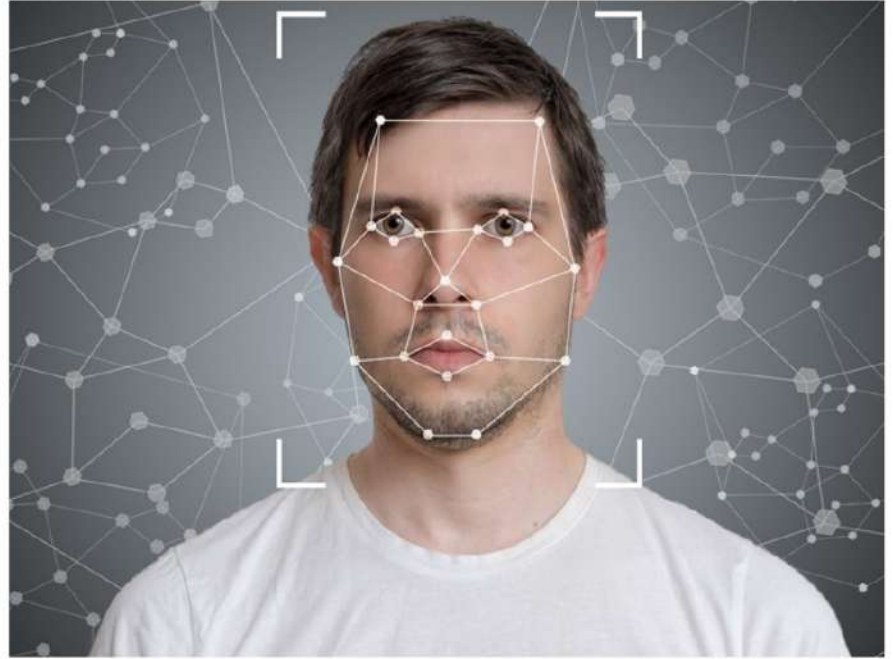Vimal Jyothi Engineering College, Chemperi

AI UNDERMINING 'CORE HUMAN VALUES' BECOMES TARGET OF €1.9M GRANT

ARTICLE

Artificial intelligence is transforming society as algorithms increasingly dictate access to jobs and insurance, justice, medical treatments, as well as our daily interactions with friends and family.

As these technologies race ahead, we are starting to see unintended social consequences: algorithms that promote everything from racial bias in healthcare to the misinformation eroding faith in democracies. Building a better understanding of how AI may pose a threat to human values is the purpose behind the €2m donation, from German philanthropic foundation Sifting Mercator, to the University of Cambridge research team. The grant for AI research will allow the LCFI and its partners to work with the AI industry to develop anti- discriminatory design principles that put ethics at the heart of technological progress. "Understanding the potential impact of algorithms on human dignity will mean going beyond the code and drawing on lessons from history and political science."

"There is a huge knowledge gap," said Dr Stephen Cave, director of LCFI. "No one currently knows what the impact of these new systems will be on core values, from democratic rights to the rights of minorities, or what measures will help address such threats.He points to facial-recognition software that claims to identify "criminal faces", arguing such assertions are akin to Victorian ideas of phrenology – that a person's character could be detected by skull shape – and associated scientific racism.

"It's great that governments are now taking action to ensure AI is developed responsibly," said Cave. "But legislation won't mean much unless we really understand how these technologies are impacting on fundamental human rights and values."

Sebin Thomas
S7 ECE

PUBLICATIONS

Dr Jayesh George, **Dr Anto Sahaya Dhas**, **Mr Adarsh K S** and **Mr Binil Kumar Kandathil** published a paper on title "Breast cancer detection in mammogram: combining modifed CNN and texture feature based approach" in Journal of Ambient Intelligence and Humanized Computing (SCIE indexed)

WEBINARS

Dr Reema Mathew, **Mr Manoj K C** and **Mrs Bindu Sebastian** attended a one day webinar on "Role of Image Processing and IOT for Green Revolution" organized by Signal Processing Group Of ECE Department, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi held on 7th January 2022.

PARENT-TEACHER ASSOCIATION

PTA meetings were conducted for all the students except final year students for discuss their Academic and Non academics performance through offline mode. And to encourage the students for academic betterment. First semester ECE toppers of first series were congratulated during the event.

MOMENTS OF XMAS CELEBRATION

Christmas is the festival that teaches us to live with harmony and love. It also teaches sharing and helping the poor and needy. There is a lot of satisfaction in sharing our things with others. This festival is celebrated by people of every religion. It is celebrated in the whole world with great excitement and joy.

"Christmas may be a day of feasting, or of prayer, but always it will be a day of remembrance—a day in which we think of everything we have ever loved."

OUR REPRESENTATIVES

Chaithanya
M.Tech

Abhilash C
S7 ECE

Anjali Mathew
S7 ECE

Abhinav K V
S5 ECE

Flemy Jose
S5 ECE

Ajay Binu
S3 ECE

Anusree C
S3 ECE

Harsha L
S1 ECE

Martin Reju
S1 ECE

PLACEMENT CORNER

Vimal Jyothi Engineering College, Chemperi

Department of Electronics and Communication Engineering

Congratulations

Placed in

BYJU'S

Sreeroop Sasheendran

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Congratulations

Placed in QSpiders

Albo Joseph   Vishnu K   Rohan U T C

Nufaila M   Anjitha Satheeshan

UPCOMING EVENTS

The International Conference on IoT, Computer Communication, Electrical and Electronics Technology (ICICCEET-2022) will be held as online mode (Vimal Jyothi Engineering college, Kannur, Kerala, India) on 4th & 5th March 2022. The objective of ICICCEET-2022 is to present the emerging trends related to Electronics, Communication, Computer science, Electrical Engineering and their allied fields. The aim of the conference is accelerate basic science, innovation for the development and application of technology. It also aims to provide a platform to the researchers from both academia as well as industry to meet and share cutting-edge development in the IoT, Computer Communication, Electrical and Electronics in line with the conference theme "Technology for Sustainable Future".

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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(S7 ECE)

Designed by Abin Mathew Sali (S7 ECE)