

NEXUS

DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING

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. Electronics and Communication 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 Chip integration, the concepts of software and hardware as well as those of communication technologies. The present newsletter attempts to present the Department and its activities for general information. "As engineers, we were going to be in a position to change the world – not just study it." - Henry Petroski

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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.

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STUDENT ARTICLE

yes pal, mental health matters !!

BY AMRUTHENDU S5 ECE



World health Organization (WHO) defines health as “ a state of physical, mental, social and spiritual well-being and not just the absence of disease or infirmity”. so, that does mean that physical health plays a vital role in our welfare and so does mental health. Mental health is nothing but the mental well-being in which an individual realizes his or her own abilities, can cope with the normal stresses of life, can work productively and is able to make a contribution to his or her community.

Physical health has always been a concern for people since forever, but the fact that the importance of mental health is still unclear and a sarcasm for them is extremely disturbing. It's often painful when people around us consider our mental health as well as theirs completely irrelevant. Researches say that, more than 450 million people suffer from mental disorders these days. If this current situation continues, within no time depression may become one of the most dangerous diseases in the world. It may grow up to such a state where a cure would be impossible, prevention would be beyond the reach.

Another important fact to be considered is that the mental health is important at every stage of life, from childhood and adolescence through adulthood. Even children could suffer from mental discomfort. This may often be due to the problems they face at home, among friends or at school. The fact is that most of the parents take no care of their children's mental health. When children open up about their problems, most of the parents ignore them making them understand that all these are a part of our life. When treatments or the right support is not given at the right time, it may even end up in depressions. Children committing suicides has become common these days, which is a proof for the fact that they are not strong enough to face new challenges in life, which could be because of the lack of mental support from others.

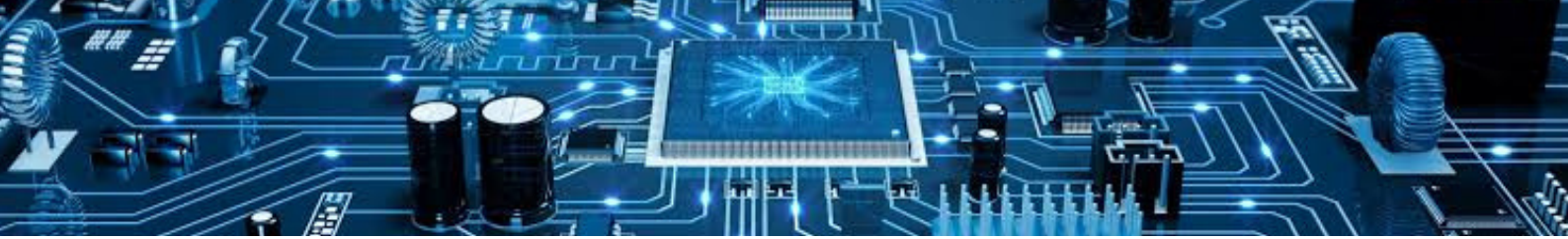
Frankly speaking, we all may have gone through such situations atleast once in our life where we faced a huge mental breakdown, where we needed someone's shoulder to cry on or someone to stand by us. Though I haven't had suffered a depression or any such serious situation, like all others I too have gone through a lot of stress and mental discomfort. Whenever we feel like getting the immense support from our families and when

we don't, that makes the situation even worse. Surviving teenage is a bit difficult, I must say !!. All we thrive for during that very time is nothing but the moral support of our parents or friends, and often when we don't get it, the survival is a bit more challenging.

Hopefully when people, mostly the ones from the modern age feel like they are mentally uncomfortable, they no longer try to adjust with the situation. Instead, they search for ways through which they could become mentally healthy and happy. These include getting involved in support groups, meeting with a therapist or a psychologist. Opening up to them would help us in relieving our stresses and them being more experienced about these matters would definitely help us suggesting ways to be mentally healthy and happy. This is just a normal thing, but mostly in several developed countries only. The funny fact is that in a developing country such as ours, meeting a therapist or a psychologist for maintaining mental health is like committing a crime. Hell yeah!! . when the typical people around us finds it out, they even start rumoring about us that we have gone completely insane and are suffering from a huge mental disorder. Believe it or not, this is the upsetting fact.

People should be more aware of the importance of mental health. Mental health awareness classes should be made compulsory for grownups as well as for children too. Children should be taught about the importance of mental health at school at the right time. And of course, we need institutions around us where we would be given the instructions to stay mentally fit, just like many gyms out there where people are given instructions to stay physically fit. Support groups where we could open up, therapists and psychologists who could suggest us ways to stay mentally healthy, should be a part of every society.

So Yes pal !! Mental health do matter!. To all those people out there, let's realize the importance of mental health. Let, being a support to someone who needs it so badly be a habit. Let visiting a therapist or being a part of a support group, be no longer wierd . Let's give our mental health the exact same importance that we give to our physical health. Let's start being the change that we wish to see around us. Let's join our hands and keep our eyes wide open looking at the world with a very modern perspective for carving a healthy future generation.



ALUMNI CORNER

One day at Intel

BY VISHNU (2016-2020 BATCH)

Hi my name is Vishnu and I am working as a physical design engineer at Intel. I consider it's such a honor to start our career in the core field also in a dream company. As Physical Design Engineer I am responsible to build circuit layouts for processors and controller architectures.

I joined Intel on 22nd feb 2020. As all know that was the time of the pandemic happening all over the world, yes the covid. So me and my colleagues started all the learning and interacted a lot to clear doubts and to help each other, that created strong bond between us. One day in every week we will come up with new ideas and we will discuss all over our teams to improve our learning skills.

13th June 2022 was my first day at office. It was a long process at boarding but all the employees are like very free to interact that makes us to feel the long boarding process as quiet easy to understand and do accordingly. To be frank as we can expect it's really a big campus, so we will be confused where to go and what to do. But those staffs in the duty led us to the correct locations with their patients and time.

Now coming back to the topic yes One day at Intel. After a tedious traffic I will reach office at 9:30am. Before starting the work we all unite and we will have a cup of coffee from the pantry and will have small chitchats. That's how we usually start our day. Then we will split and will go to allocated cabins and will be concentrated on the work we

have. If we are stuck in something Seniors will come to us or we will appear them they will help us all the time. There are many food courts and canteen facilities are available in office, we will have more varieties of food available there. Usually we sit as a group and share the food each one ordered and will go for a walk inside the campus.

We will be continue to our work after lunch break. Same as the college after lunch every 5 minutes feels like an hour only. But the relaxation is we will have more meetings and all which is scheduled in another floor or maybe in another building in intel campus.

Coming to more happy part in Intel is the gaming area. Well not only for work Intel is more cared about the mental health and physical health of employees. We will go to the gaming room, generally we will spent more time on foosball and 8 ball game. There we can find more people from other teams also, because of that only I got more connections in another teams in Intel. We will spent a minimum of 2 hours there in the gaming room.

At evening after 6 some of us will go to the gym available in Intel. The gym in Intel is more updated and we do have a good trainer.

This is how we spent one day at Intel !!!

Thanks & Regards
Vishnu Prasad





PUBLICATIONS

Ms Sudharsana Vijayan and Dr Roshini T V were published a paper on title “A Review on Breast Imaging Modalities based on Technical Aspects” in IEEE 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT)

CONFERENCE

Ms Bindu Sebastian has presented a paper title on “IOT Based Secure Monitoring and Detection of Manhole” for the International Conference on Emerging Technologies Organized by Royal CET, Akkikavu, Trissur on 16-17 September 2022.

FDP

Dr Roshini T V ,Ms Jerrin Yomus ,Ms Bindu Sebastian ,Ms Lekshmy S, Ms Anusha Chacko, Ms Grace John and Ms Sudharsana Vijayan were participated in the Five Day Online Faculty Development Programme on "Python Programming and Its Application" organized by G.Pulla Reddy Engineering College (Autonomous): Kumool-518007, from 26th September 2022 to 30th September 2022.

Mr Vinod J Thomas has attended Innovation Ambassador (IA) training “Foundation Level” conducted in Online mode by MoE’s innovation cell & AICTE during the IIC calendar year 2021-22

STUDENT ACHEIVEMENTS

Rohan U T C ,Chandana Shaji, Shanas M and Vineesha Lambert were presented a paper title on “IOT Based Secure Monitoring and Detection of Manhole” for the International Conference on Emerging Technologies Organized by Royal CET, Akkikavu, Trissur on 16-17 September 2022.

PROGRAM ORGANIZED

Ms Bindu Sebastian and Ms Anusha Chacko Organized a Field Visit Collaborative Learning in Vimal Jyothi Engineering College for the Students from Nirmalagiri College, Kuthuparamba.





MOMENTS OF ONAM CELEBRATIONS



Graduation Day

17TH SEPTEMBER 2022 WAS THE GREAT DAY FOR 3YEAR PASS OUT STUDENTS. THEY WERE GRADUATED AND FULFILL THEIR AMBITIONS IN-FRONT OF EMINENT PERSONALITY



Throw those caps in the air like you just don't care! Graduation day is a monumental milestone in a person's life.





"Look at the bright side of life and forgot the dark agonies surrounding it. Have a safe and blessed Diwali"

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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