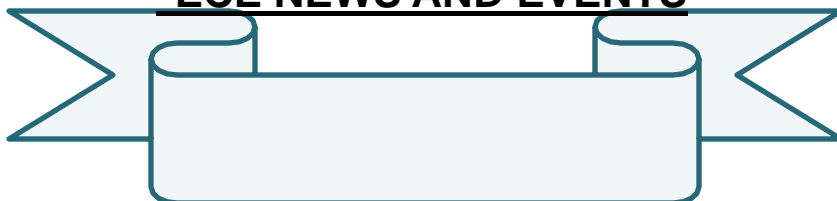


DEPT. OF ECE
presents

NEXUS

APR-JUN 2020
Vol.5-Edition2

ECE NEWS AND EVENTS



Department of Electronics & Communication Engineering

Vision

To excel globally in technical education and research in the field of electronics and communication engineering and thus contribute to the welfare of society.

Missions:

M1: To establish a unique learning environment to enable the students to face the ever-emerging challenges in electronics and communication engineering.

M2: To equip the students with a broad intellectual spectrum and prepare them for diverse and competitive career paths.

M3: To provide practical orientated education and foster tie-up with national /International educational institutes, research bodies, and industry to support students and faculty development pursuits.

M4: To provide ethical and value-based education by promoting activities addressing societal needs.

Program Educational Objectives (PEOs)

PEO1: Be able to successfully practice electronics and communication engineering with acquired skills and knowledge.

PEO2: Be receptive to new technologies and attain professional competence through advanced education, research work, and other professional activities.

PEO3: To prepare graduates who will practice their profession with ethics, integrity, and social responsibility in a global context.

PEO4: To develop leadership qualities with demonstrable attributes and to contribute to societal needs.

FROM DIRECTOR'S DESK

It gives me immense satisfaction that next issue of ECE Newsletter is ready for the readers. A college Newsletter mirrors the success story of an institution and act as a great medium to reach out to the outer world. It reflects upon the persistent and committed efforts made by faculty, staff and students for taking the institution one step ahead. Continuing the same tradition, this issue of Nexus, reflects upon commendable contribution made by all members of PIET family in their fields of expertise as well as for the overall growth of the college.

I congratulate everyone for their bit of service for the institution and do expect the same in times to come. I also congratulate the editorial team for bringing out present issue of newsletter.

“Success consists of going from failure to failure without loss of enthusiasm.”

—Winston Churchill

Wish you good luck!



Prof.(Dr.) Shakti Kumar
(Director)

FROM HOD's DESK

I am very pleased to present you the newsletter of Electronics and Communication Engineering Department. Within these pages you will find much news related to diverse activities from the whole Faculty members and students. You can see the contributions from Faculties and students. I hope everyone will find this newsletter exciting and interesting.

"Our greatest weakness lies in giving up. The most certain way to succeed is always to try just one more time."
- Thomas A. Edison

Wishing you all the best !!!



Prof. Swati Gupta
(HOD ,ECE)



Please feel free to drop in your suggestions to :

swatigupta.ece@piet.co.in

EDITOR'S NOTE

It is a matter of pride as well as pleasure to present before our readers next issue of Department Newsletter. We feel honored for the faith reposed in us for performing the role of editors of Department Newsletter. We have put whole-hearted endeavors to give a complete and kaleidoscopic view of laudable achievements of ECE department. Through further issues of Nexus, we do hope that we will come up to the expectations of our readers.

"There are far, far better things ahead than any we leave behind." - C.S. Lewis



Associate Prof.(Dr.)
Monika Gambhir ,
ECE



Assistant Prof. Sapna
Arora , ECE



Please feel free to drop in your suggestions to :

monika.ece@piet.co.in sapna.ece@piet.co.in

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ONLINE
TECHNICAL
ACTIVITY

02

e-LEARNING
DURING
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MIND TEASER

Tech-to-Combat COVID 19

(Online Technical Activity)

Yantra Club, Department Of Electronics And Communication Engineering, PIET conducted an online Inter-College Power-point competition “TECH-TO-COMBAT COVID19” on JUNE 5 , 2020

The respected panel of judges from Academia and Industry included two employees of CoreEL Technologies Pvt Ltd working as Application Engineers :

Mr. Mayank Singh & Mr. Ankur Sangal

And from host college Prof. Swati Gupta (HOD ECE , PIET) & Prof. Ratandeep Aneja (HOD IT, PIET)

Students of host college PIET Panipat and various other colleges from Chandigarh to Chennai like AIACTR New Delhi, CGC landran, RIT Chennai, BIET Jhansi, HMRITM New Delhi, DCRUST Murthal and so on participated in it and came up with tremendous ideas and the projects that they have been working upon.

The young minds who secured position were :

1st Keshav Verma (ECE 3rd yr) CGC, Landran

2nd Gopinath S (ECE 4thyr) RIT,Chennai

3rd Pankaj Antil (TE 4th yr) PIET,Samalkha



E-Learning During Lockdown

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Attended Leadership Talk series by Leaders-

1. Dr. Anil Sahastrabudhi (AICTE Chairman)
2. Dr. Pratha
3. Mr. Yashraj Bharadwaj (Youngest Cofounder of Company- Zenith Vipers)
4. Mr. Ronnit Screwala (Chairman Upgrad)
5. Prof. K.K. Aggarwal (NBA Chiarman)

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WEBINARS

Faculty members & students of 3rd and 4th year ECE attended webinar on XILINX Vivado tool for FPGA and got certificates for the same.

CERTIFICATION COURSES

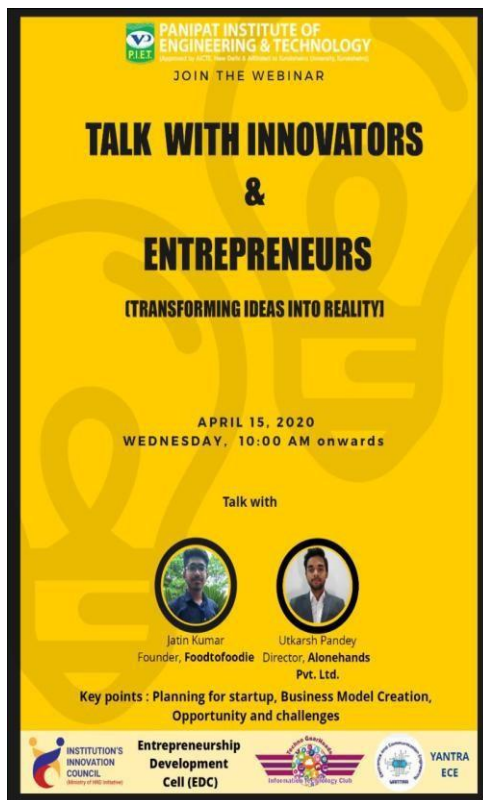
Faculty members & students of all years have enrolled themselves in courses to upgrade their knowledge in emerging technological areas.

E-Learning During Lockdown

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Institution Innovation Council (IIC) at PIET, in association with ED Cell, Techno GearHeads Club, IT and Yantra Club, ECE has started a series of talks with Innovators & Entrepreneurs. First session was taken by Mr. Utkarsh Pandey and Mr. Jatin Arora, students of B.Tech. IT department on 15/4/20.

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Objectives of the talk:

- To learn about the terms- Entrepreneurship, start up and Innovation.
- To learn how to pick a particular business
- To create an effective business model
- To know the barriers in journey of Entrepreneur
- To know secrets of successful Entrepreneur

ALUMNI TALK



Ms. Sakshi Shukla
Pursuing M.S. in UNC Charlotte, USA

ECE Department organized the alumni interaction program on 09th April 2020. Experience In Genpact as a Software , Ms Sakshi Shukla gave motivation and carrier guidance. It helped students take knowledge regarding IELTS and GRE in the first Interaction program.

In the second interaction program on Apr 11,2020, alumni shared their experience in the corporate sector and also gave a presentation on the important topic:

Topic1- Carrier Guidance and Motivational Lecture was be delivered by

Mr. Mohit Rana

College Placement- INDIAN NAVY @ PACKAGE -12LPA(
Experience in HCL
Currently working in OYO as SDE2

PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY
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LIVE INTERACTION WITH PIET ALUMNI (ECE)

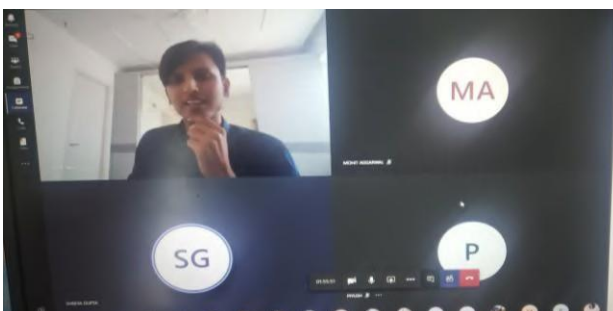
Career Guidance and Motivational Lecture by Mr. Mohit Rana (OYO and Ex-Hclite)

Demystifying trends in Digital, Data Science and Artificial Intelligence by Mr. Rishit Jain (Delhivery Pvt. Ltd.)


Topic2- Demystifying trends in Digital, Data Science and Artificial Intelligence was delivered by

Mr. Rishit Jain

College Placement - Hitachi Consulting
Currently Working in Delhivery Pvt. Ltd.
Profile- Product Management, Artificial Intelligence, and Data Science



ALUMNI TALK



PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY
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LIVE INTERACTION SESSION WITH PIET ALUMNI (ECE)

Financial Planning & Analysis Solution From Functional & Technical Perspective

Mr. Vishal Kumar (Gartner)

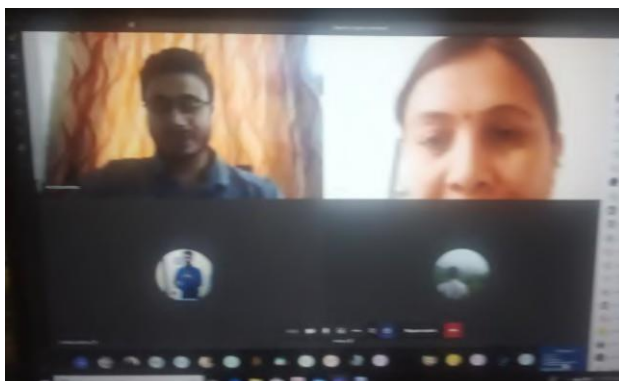
12th April, 2020 | 11 AM

www.piet.co.in | 1800 120 6884

ECE Department organized the 3rd alumni interaction program on 12th April 2020 on Microsoft Team App by By Mr. Vishal Kumar (Gartner) He is an alumnus of PIET, Department of Electronic & Communication Engineering. Interactive session will be about Financial Planning & Analysis Solution from functional & technical prospective

The Forth Alumni interaction program was organized on 2nd May 2020.

Mr. Kunal Gupta is an alumnus of PIET, Department of ECE. Interactive session was about Startup & Mobile Application Development Tools and he shared his experience in the corporate sector and also motivated the students.



Alum Talks
By Mr. Vishal Kumar (Gartner)



PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY
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LIVE INTERACTION SESSION WITH PIET ALUMNI (ECE)

Mr. Kunal Gupta (Novorise Fintech India Pvt Ltd)

on Startup & Mobile Application Development Tools

2nd May, 2020 | 11 AM

www.piet.co.in | 1800 120 6884

Alum Talks
By Mr. Kunal Gupta
Novorise Fintech India Pvt Ltd

Article on COVID-19

Positive Side-Effects of Unwelcomed Intruder- CORONA

A sanskrit phrase found in Hindu texts "Vasudhaiva Kutumbakam" means all creatures living on Earth are members of a family. This year, 2020, we got a new member named 'Novel CORONA', into our family on Earth. Nodoubt, this has created alot of chaos in the entire world, however it has taught us some good lessons & there are some notable postive side effects (although short term) as outlined below-

1) Pollution Free Environment :

Restrictions on movements of people & traffic on road and in the air, drastic improvement in air quality is observed. The lockdown has caused concentration of pollutant in the air, reduced to a great extent. With resuced emissions of greenhouse gases, we are not adding warmth into atmosphere.



2) New life to wild life :

In many cities, wild animals have come out in the absence of people on streets, and are roaming to explore new areas. Several sea creatures have also been seen to appear suddenly on the coastlines due to lack of fishing activity. Many animals are enjoying having all natural reserves and parks available for themselves.



3) Family Life :

This fast going modern life has left very little or no time to spend with family members. Lockdown imposed for all resulted in a forceful gathering of all under a roof & help everyone recall real beauty of life. Everyone has got time to think & reflect themselves. Traditional games have now become a part of daily cores.



Prof. Monika Gambhir
(AP, ECE)

MIND TEASER

CAN YOU COUNT THE F'S IN THIS SENTENCE?

Quick! Count the number of times that the letter F appears in the following sentence:

“Finished files are the result of years of scientific study combined with the experience of years.”

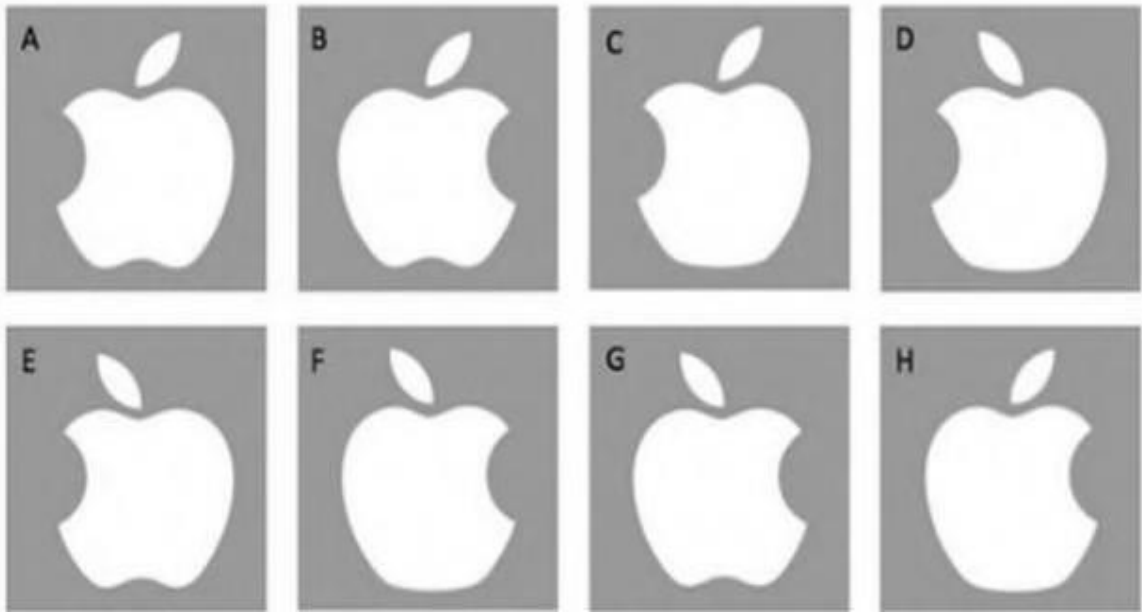
How many did you find ???

Solution: Most people say three. Why? We often don't correctly process the word “OF” for two reasons. First, the letter F usually makes the “f” sound, like in “fox”. However, in the word “of”, it makes a “v” sound. Second, you have probably read the word “of” so many times in your life that you process it as one unit, overlooking the second letter/ sound.

HOW SMALL CAN COMPONENTS GET?

There is an actual theory to this which is called Moore's Law, which states that the amount of transistors that can be placed in integrated circuit doubles every two years.

HOW WELL DO YOU KNOW THE APPLE LOGO ?



Solution: The answer is in fact "B".

If you didn't pick the right one, then you are not alone in struggling to recall the exact details of the simple picture.

SANYAM JAIN
2817291