

# **Institution of Electronics and Telecommunication Engineers Students Forum (IETE-ISF)**

Electronics Department has started its IETE student chapter in the year 2014-15. The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT Founded in 1953. The IETE is the National Apex Professional body of Electronics and Telecommunication, Computer and IT Professionals. It serves more than 60,000 members through various 65 Centers, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recognized IETE as a Scientific and Industrial Research Organization (ISRO) and also notified as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology. The IETE conducts and sponsors technical meetings, conferences, symposia and exhibitions all over India, publishes technical journals and provides continuing education as well as career advancement opportunities to its members. The IETE Students Forum have the following broad objectives:

- To plan and organize technical programs and activities such as Expert lectures, workshops, seminars for the benefit of student members on a regular basis.
- To provide a common platform for the student members to exchange ideas and information on the topics of their interest e.g. Project Design, employment / higher educational opportunities, emerging trends, personality development etc;
- To facilitate technical visits / practical training / project work of the enrolled students in R&D laboratories, industries, academic institutions etc;
- To serve as a nodal point at the institution on all aspects of professional development of the student members.

**Events Organized:**

The followings are the events that have been organized.

Year (2020-21)					
S No.	Date	Event	Number of participants	Details	Outcome
1	20.02.2021	Expert Lecture on IoT and Industrial Automation (Online)	75	Expert Lecture by Dr. Bhawna Tandon, Associate Professor, ECE, CEC was delivered on IoT and Industrial Automation to aware the students in detail about automation, tools for automation, Programmable logic Controller, supervisory control and data acquisition, VED, HMI and IOT.	Students gain knowledge about automation, IoT and its use in industry.
2	06.02.2021	Expert Lecture on How Digital Image Processing can help to fight against covid19-pandemic(Online)	75	Expert Lecture on 'Broadcasting in Digital Domain' was delivered by Dr. Harbinder Singh, Professor, ECE, CEC to let the students learn about Classification of Computer Vision approaches for Covid -19 Controls, Fluorescent microscopy, Image fusion (Multi - exposure and Multifocus) and IR thermography.	Students learned about the importance of Digital Image Processing in pandemic etc.
3	05.11.2020	Video lecture on data structure and algorithms(Online)	80	Video Lecture on data structure and algorithms Is delivered by Dr. Gagandeep Jindal Professor, CSE	Gain knowledge about data structure and algorithms

				Deptt., CEC, Landran to aware the students about the basics of data structure and data optimization.	
4	15.09.2020	Technical Quiz on Engineer's Day (Online)	88	A technical quiz is organized for the students of ECE on engineer's day to enhance technical skills in the field of Electronics & Communication.	To enhance technical skills of students

Year (2019-20 )					
S No.	Date	Event	Number of participants	Details	Outcome
1	16.09.2019	Technical Quiz on Engineer's Day	40	A technical quiz is organized for the students of ECE on engineer's day to enhance technical skills in the field of Electronics & Communication.	To enhance technical skills of students
2	02.11.2019	66 <sup>th</sup> IETE foundation Day celebration in Chandigarh	2	Two students per ISF centers were invited to present PPT on Artificial Intelligence.	Student's gained knowledge about AI

3	24.01.2020	Expert Talk on Personality Development	85	Expert Lecture on Personality Development is delivered by Ms. Ritu Singal, MD Raglan Infrastructure Pvt. Ltd. Chandigarh. The vision behind organizing this expert talk is to develop personality in today's time.	Learned Logical, Conceptual and presentable skills.
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Year (2018-19 )					
S No	Date	Event	Number of participants	Details	Outcome
1	04.10.2018	Seminar on IOT	65	Seminar on Internet on Things in collaboration with Times Institute of Management and Technical Studies, Mohali is organized. Er. Rashi gave the theoretical knowledge on the Topics <ul style="list-style-type: none"> <li>•Introduction to IOT</li> <li>•IOT structure</li> <li>•Hardware Implementation</li> <li>•Communication Technologies</li> <li>•Application of IOT in day to day life</li> <li>•Software used</li> </ul>	IOT System Design, Concepts and Applications
2	02.04.2019	Guest lecture on Drone Technology	65	Guest lecture on Drone Technology is conducted in collaboration with Fly-X, Lucknow. Er. Manish Pandit groom the industry based skills of the students and to enhance their technical skills in the field of drone.	Knowledge about drone technology and applications

**Year (2017-18 )**

<b>S No.</b>	<b>Date</b>	<b>Event</b>	<b>Number of participants</b>	<b>Details</b>	<b>Outcome</b>
1	13.10.17	Guest lecture on GSM Networks	70	Guest lecture on GSM Networks is delivered by Er. Chanpreet kaur, Assistant Professor, CEC, Landran. The lecture gives an introduction into the principles of mobile communication. It illustrates the basic concepts of GSM (Global System for Mobile Communication) and its extensions. Moreover, UMTS (Universal Mobile Telecommunication System), wireless local area networks and emerging 4th generation mobile networks are also discussed.	Gained knowledge about wireless technology
2	25.01.2018	Guest Lecture on Signal Processing	65	Guest Lecture on signal processing is delivered by Dr. Harbinder Singh, Associate Professor ECE Department, CEC Landran. This lecture aimed to provide information to the students regarding basics of signal processing, Fourier series, Fourier Transformation of Continuous and Discrete time signals, application of signal processing in image processing.	Students will be aware from the basic concepts of signal processing.
3	13.02.2018	IETE Technical Quiz	55	A technical quiz in collaboration with IETE Chandigarh is organized for the students to enhance technical skills.	To enhance technical skills of students

4	22.02.18 to 23.02.18	Texas Workshop on “Embedded System Design Using TI MSP430 Microcontroller Development Tool”	45	<p>The workshop was based on the hands on training of the Texas Tools. The Guest Speaker was Shri M. Narender Babu, Application Engineer from Texas Instruments gave knowledge on topics: MSP430 Introduction, Introduction to MSP430 Launch pad board, Working with CCSv5.5 IDE Platform, C Programming on MSP430 Platform, Understanding interrupt structure of MSP430G2553, Interfacing Seven segment &amp; LED with MSP430G2553 using GPIO, Interfacing Buzzer &amp; LCD with MSP430G2553 using GPIO, Understand the MSP430 TIMER Operation, Interface MSP430G2553 with Internal TIMER &amp; generate PWM to control DC Motor</p>	Faculty and students will be aware from the new technology that is utilized by embedded system.
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