



# IETE SAKEC



• INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS •

***Newsletter 2020-21***



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# About IETE

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 Telecommunications, Computer Science and IT professionals. It serves more than 1,25,000 members (including corporate, student and ISF members) through various 63 centers, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to national development and the economy. The Government of India has recognized IETE as a Scientific and Industrial Research Organization (SIRO) 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 focuses on the advancement of the Science and Technology of Electronics, Telecommunication, Computers, Information Technology and related areas. Towards this end, the Institution promotes and conducts basic engineering and continuing technical education programs for human resource development.

# Vision And Mission Of IETE

## VISION

Reaching the un-reached and empowering the youth through Technical Education and Skill Development.

## MISSION

Advancement of Electronics, Telecommunication, Information and Technology & other related disciplines to contribute in Nation's Human Resource & Infrastructure Development through our Engineers.

## IETE-SAKEC :

- To provide common platform for students to exchange of ideas in technical topics of interest. E.g. curriculum, employment, higher educational opportunities, emerging trends, etc.
- To bridge the curriculum gap by workshops, industrial visits and competition at intra and inter college levels.
- To provide connectivity, guidance and opportunities to gel with Electronics & Communication industry.
- To build up team spirit and self-reliance among student members and thus to groom a student as a professional.

# MESSAGE FROM PRINCIPAL



***Dr. Bhavesh Patel ,  
Principal , SAKEC  
Vice-Chair, IETE Mumbai.***

Dear Members of IETE-SAKEC, As Principal of Shah & Anchor Kutchhi Engineering College, it brings me great pleasure to extend my warmest greetings to all of you through this annual newsletter. Your commitment to the advancement of technology and engineering excellence is commendable, and it is through platforms like IETE-SAKEC that we can foster innovation, collaboration, and professional growth within our community.

As we reflect on the past year's achievements and look ahead to the opportunities that lie before us, let us continue to uphold the values of integrity, diligence, and lifelong learning that define our profession. I am confident that together, we will continue to make significant strides in shaping the future of engineering. I wish you all a successful year ahead filled with meaningful contributions and shared successes.

Warm regards,  
Dr. Bhavesh Patel  
Principal, Shah & Anchor Kutchhi  
Engineering College

# MESSAGE FROM ISF COORDINATOR



***Dr. Vinutha T P , HOD of  
Electronics and  
Telecommunication Dept.***

Industrial Visit to ISRO Bangalore was a memorable experience for IETE student members, and the faculties accompanied them! During the time when pandemic shook the world, the telecommunication Industry played the role of backing the people in exchange of information. We organized the first ever online event of project presentations under the flagship of IETE Oscillations!

As a faculty coordinator, I am thrilled to share some exciting updates on our journey with IETE. First and foremost, I want to extend my heartfelt gratitude to all members for their unwavering commitment and enthusiasm towards advancing the field of Electronics & telecommunication. Your dedication is what fuels our collective progress and success.

# IETE SAKEC

## STUDENT MEMBERS :

- 1.AMEYA ANIL KULKARNI
- 2.NEIL PARESH KARANIA
- 3.DHRUVI URESHKUMAR SHAH
- 4.PRIYANKA BHAURAO BHADANE
- 5.SAURAV AMRENDRA JHA
- 6.SONALI SUNIL DHENDE
- 7.NIKITA MANOJ KUMAR MISHRA
- 8.VISMAYA VENU
- 9.MOHINI PATIL
- 10.SAHIL PRAGNESH SHAH
- 11.SARAH SULEMAN SHAIKH
- 12.ROOPALI SURENDRA SHETTY
- 13.TRUSHTI PRAFUL CHOTALIYA
- 14.MOHAMED YASIN ALLAH BAKSH SHAIKH
- 15.DIKSHA VIJAY PAWAR
- 6.TEJAS SANTOSH PAWAR
- 17.UBAIDULLAH RAFATULAAH KHAN
- 8.SURAJ SANTOSH GUPTA
- 9.RUTWIK RAVINDRA GOSAVI
- 20.MONIKA RAM NARAYAN GAUTAM
- 21.ANUP RAMDAS SHINDE
- 22.CHINTAN RAJESH NAGDA
- 23.GAYTRI VIVEK VICHARE
- 24.SEJAL PRAKASH MADRECHA
- 25.UTKARSH NILESH GOHIL
- 26.VINOD NARAYANLAL MULEVA
- 27.SAYALI PRABHAKAR CHAUDHARI
- 28.RAHUL TUSHAR MEHTA
- 29.SHUBHAM SHANKAR PAWAR
- 30.SALMAN MOHAMMAD SHAIKH
- 31.APARNA RAJESHMANI TRIPATHI
- 32.HIMANSHU PRASAD RASAL
- 33.SNEHAL SHIVAJI GHEGADE
- 34.VINIT KIRIT VEERA
- 35.ISHWARI AJIT PADVAL
- 36.KRISHNAKANT ASHOK MUKTA
- 37.AKSHAY KUMAR KIRAN KUMAR MOMAYA

# **EVENTS**

## **INDUSTRIAL VISIT TO ISRO-BANGALORE**



IETE-SAKEC Student Chapter, in collaboration with Electronics & Telecommunication Department and IIC 2.0 of Shah & Anchor Kutchhi Engineering College, organized INDUSTRIAL VISIT 2020 on 2nd to 9th January, 2020 to

- ISRO Telemetry Tracking and Command Network (ISTRAC), Bangalore
- Visvesvaraya Industrial And Technological Museum (Vitm), Bangalore
- Centre for Development of Advanced Computing (C-Dac), Bangalore, and Pondicherry

ISTRAC is entrusted with the major responsibility of providing tracking support.

for all the satellite and launch vehicle Missions of ISRO. The major objectives of the Center are to carry out mission operations of all operational remote sensing and scientific satellites and provide them Telemetry, Tracking and Command (TTC) services from launch vehicle lift-off till injection of satellite into orbit, also estimate its preliminary orbit in space and hardware and software developmental activities that enhance the capabilities of ISTRAC for providing flawless TTC and Mission Operations service.

Mr. B Sankar Madaswamy, scientist/Engineer-SF, Manager, HRD, ISTRAC, Bengaluru. briefed about the ISTRAC and its operations.

Students gained knowledge about the orbital path of Mars mission and motivated to participate and contribute towards space research programs of India.

VITM, a constituent unit of National Council of Science Museums (NCSM), Ministry of Culture, Government of India, was established in memory of Bharat Ratna Sir M. Visvesvaraya.

C-DAC, BANGALORE is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas.

Different areas of C-DAC had originated at different times, many of which came out as a result of the identification of opportunities. The setting up of C-DAC in 1988 itself was to built Supercomputers in context of denial of import of Supercomputers by USA. Since then C-DAC has been undertaking the building of multiple generations of Supercomputers starting from PARAM with 1 GF in 1988. Students learn all technical aspects through the CDAC visit.

Total 54 Students from all year Department participated in this Industrial Visit.

# EVENTS

## ONLINE PROJECT POSTER PRESENTATION COMPETITION UNDER OSCILLATIONS



Department of Electronics and Telecommunication Engineering in collaboration with IETE-SAKEC & IIC2.0 SAKEC conducted "Online Project Poster Presentation Competition" under Oscillation 2020 on 15 April 2020 on Online platform.

All BE EXTC SAKEC students participated in this event and around 17 BE project groups presented their project work through poster presentation. Each Project Group was given 10 min for presentation and a few more minutes for QA session, for Judges and other faculties too queried.

This Event was conducted in 2 slots

1. Morning: 11.00 Am – 1.30 Pm

2. Afternoon: 2.30 Pm – 6.00 Pm

Event was inaugurated by Dr. Bhavesh Patel (Principal) and concluded by Dr. V.C. Kotak and Prof. Swati Nadkarni with their Motivating words.

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To Judge the Event we had Ms. Shubhangi Motewar (Elex dept) and Ms. Archana Chaugule (I.T. dept). Around 80 people witnessed this event which included all participating students, faculties and Judges and we are happy to announce winners of Online Project Poster Presentation Competition

🏆 1st Prize: Neil Karania, Dhruvi Shah and Rahul Mehta

Project Title:- "Infinity Portal – One Platform for Everything"

🏆 2nd Prize: Vidyesh Bondre, Shashank Chavan, Kiran Yadav and Meet Dave

Project Title:- "IoT based Smart Pothole Detection and Mapping System"

🏆 3rd Prize: Aakash Patel, Bhavik Dandhukia and Chaitanya Chotalia  
Project Title:- "IoT based Robot For Area Calculation"

# EVENTS

## PANTECH E-BYTES:LIVE WEBINAR



**PANTECH SOLUTIONS**  
Training, Recruitment, Events

**PANTECH E-BYTES 2020  
LIVE WEBINAR SERIES**

Live knowledge sharing sessions by industry experts on latest and trending skills and technologies.

Certificate of Participation on behalf of IETE ( Mumbai ) and PANTECH shall be will be provided to the participants.

**SCHEDULES & DOMAINS :**

MAY 1, 2020 - MACHINE LEARNING USING PYTHON  
MAY 4, 2020 - IOT - DESIGN , APPLICATIONS AND FUTURE IMPACTS  
MAY 8, 2020 - OPEN CV BASED IMAGE PROCESSING APPLICATIONS

This 30-45 mins session will provide the participants with an insight into the latest industrial standards and applications on the desired domain.

It's a great pleasure and pride that Pantech Solutions Pvt Ltd in association with Institution of Electronics & Telecommunication Engineers (IETE , Mumbai ) launches the PANTECH – E BYTES 2020 – A LIVE Webinar series

Under IETE-SAKEC many SAKEC Staff and students attended these Live Webinar Series

Live knowledge sharing sessions by industry experts on latest and trending skills and technologies.

This 30-45 mins session will provide the participants with an insight into the latest industrial standards and applications on the desired domain.

Schedules & Domains :

May 1, 2020 – Machine Learning Using Python

May 4, 2020 – IoT – Design, Applications and Future Impacts

May 8, 2020 – Open CV based Image Processing Applications

E-Certificate of Participation on behalf of IETE ( Mumbai ) and PANTECH were provided to the participants.

Glimpse of participation from Shah & Anchor staff & students for " IOT Design, Applications and Future Impacts" session on May 4th, 2020.



# EVENTS

## MY JOURNEY FROM INDIA TO GERMANY



Department of Electronics and Telecommunication Engineering in association with Alumni Cell & IETE SAREC organized, 'My journey from India to Germany' on 30th Dec. 2020 at 11.00 Am. Speaker of the event Mr. Vinit Veera, Alumni of EXTC Dept. Batch 2018-19 went on to pursue his masters degree in Communications and Multimedia Engineering from Friedrich Alexander University Erlangen-Nuremberg, Germany. He is specializing in Audio Signal Processing

In this talk he covered following points:

- [1]. applying to the German universities
  - [2]. his experience about studying and living in Germany
  - [3]. finding and applying for internships
  - [4]. working part time in Germany
- Total 48 students from all year and alumnus actively Participated in the above event.

# EVENTS

## **ONLINE PROJECT POSTER PRESENTATION COMPETITION UNDER OSCILLATION**

Department of Electronics and Telecommunication Engineering in collaboration with IETE-SAKEC conducted "Online Project Poster Presentation Competition" under Oscillation 2021, a technical initiative started under IETE on 08 May 2021.

All the Final Year SAKEC EXTC students participated in this event and around 19 project groups presented their project work through poster presentations.

Each Project Group was given 10 min for the presentation followed by QA session with the Expert Panel and other faculties.

This Event was conducted in 2 slots

1. Morning: 11.00 Am – 1.30 Pm

2. Afternoon: 2.30 Pm – 5.00 Pm

The Event was inaugurated by Ms. T.P. Vinutha, HOD EXTC & ISF Coordinator with her Motivating words. The event was judged by Expert Panel.

Around 80 people witnessed this event which Included all participating students and faculties.

The following groups are the winners of the Online Project Poster Presentation Competition

🏆 1st Prize: Hiteshkumar Jain, Vedant Madane, Tarang Agle and Vinodkumar Muleva

Project Title:- "SENTIMENT ANALYSIS OF THE MAHĀBHĀRATA CORPUS"

🏆 2nd Prize: Nikhil Jadhav, Abhishek Sonavane, Anmol Mayekar and Ronak More

Project Title:- "IOT BASED WOMEN'S SAFETY DEVICE"

🏆 3rd Prize: Sarah Shaikh, Roopali Shetty, Juzer Sisawala and Vinayak Kukrety

Project Title:- "Gesture to Text/Speech Translation"

# EVENTS

## ONLINE 15-DAYS TRAINING ON “REDHAT ENTERPRISE LINUX(RHEL-7)

Mahavir Education Trust's  
SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE  
Affiliated to Mumbai University, Approved by DTE And AICTE

IETE SAKEC  
in association with  
Department of Electronics & Telecommunication Engineering  
organizes 15 days Training on  
**Red Hat Enterprise Linux 7 (RHEL -7)**  
Speaker : Prof. Ashish B. Tank

15<sup>th</sup> June 2021 - 30<sup>th</sup> June 2021  
10:15 am - 1:00 pm  
Microsoft Teams

Red Hat Enterprise Linux

IETE SAKEC in collaboration with Electronics and Telecommunication Engineering Department organized a 15-Day online training on REDHAT ENTERPRISE LINUX (RHEL-7) for EXTC Department Students from 15th June to 30th June 2021 (2 Hrs Per Day) Speaker for the event Prof. Ashish B. Tank, Asst. Prof. EXTC Department, SAKEC

The training was attended by 20 Students from EXTC Department

At the end of Event Feedback was taken and E- Certificate was awarded to all the active participants.

The Online Training was inaugurated by Ms. T.P. Vinutha, HOD EXTC & ISF Coordinator with her Motivating words.

Following topics are discussed with Hands-on Lab

- Introduction and Installation of RedHat Linux
- File Management and Permissions
- User Management
- Process and Service Management
- BOOT Process
- Software Management
- Network Service Management
- Disk Management

# EVENTS

## WEBINAR SERIES ON “INSIGHT OF RECENT TECHNOLOGICAL TRENDS”



Department of Electronics & Telecommunication Engineering and IETE-SAKEC in Collaboration with student chapters of other professional bodies organized “Weekly Webinar Series: Insight of Recent Technological Trends” during 10 July to 7 August 2021.

The objective of this webinar series was to provide insight of recent technological trends in research and development both locally and internationally.

The speakers were professors from highly reputed Institutes and Engineers from Entuple Technologies, Bangalore. There were a total of 207 participants registered including faculties and students from various colleges and Industry professionals. It was conducted for a total of 13 hours ( Approx 3 hour weekly).

# **EVENTS**

## **INTERNATIONAL PANEL DISCUSSION ON “ADAPTATION OF ADVANCED TECHNOLOGIES BEFORE REACTING AND RESPONDING TO ANY NATURAL DISASTER GLOBALLY**

Department of Electronics & Telecommunication Engineering and IETE-SAKEC from Shah and Anchor Kutchhi Engineering college had organized an International Panel Discussion On the topic “Adaptation of advanced technologies before reacting and responding to any natural disaster globally” on 30th September 2021 using the virtual platform.

The Keynote Speaker for the event was Dr. K.J. Ramesh, Former Director General, India Meteorological Department, India.

Many questions asked by moderator Dr. Kalpana Chaudhari to panelists were answered and discussed with respect to the Indian and European scenario.

He gave a lot of brief knowledge about cyclones, reasons that affect the strength of the cyclone, and technology used for detecting the cyclone before they hit the cyclone and four Panelists.

speakers Dr. Maria Cerreta, Dr. Pasquale De Toro, Dr. Giuliano Poli, Dr. Mattia Leone from Department of Architecture (DIARC) University of Naples “Federico II”, Italy presented their city port Napoli projects related to disaster management, circular economy for city port Napoli and GIS technology, the purpose of the further research, information about the risk, exposure and vulnerability which can have serious impact earthquakes, volcanic eruptions, and hydrogeological events.

# EDITORIAL TEAM



**Mr. Bhushan Pawar**



**MR. NAYAN SHINDE  
CHAIRPERSON**



**MS. KHUSHI GUPTA  
TREASURER**



**MR. SHUBHAM ERANDE  
SECRETARY**



2020-21

NEWSLETTER FOR IETE SAKEC MEMORABLES