



IETE SAKEC



• INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS •

Newsletter 2021-22

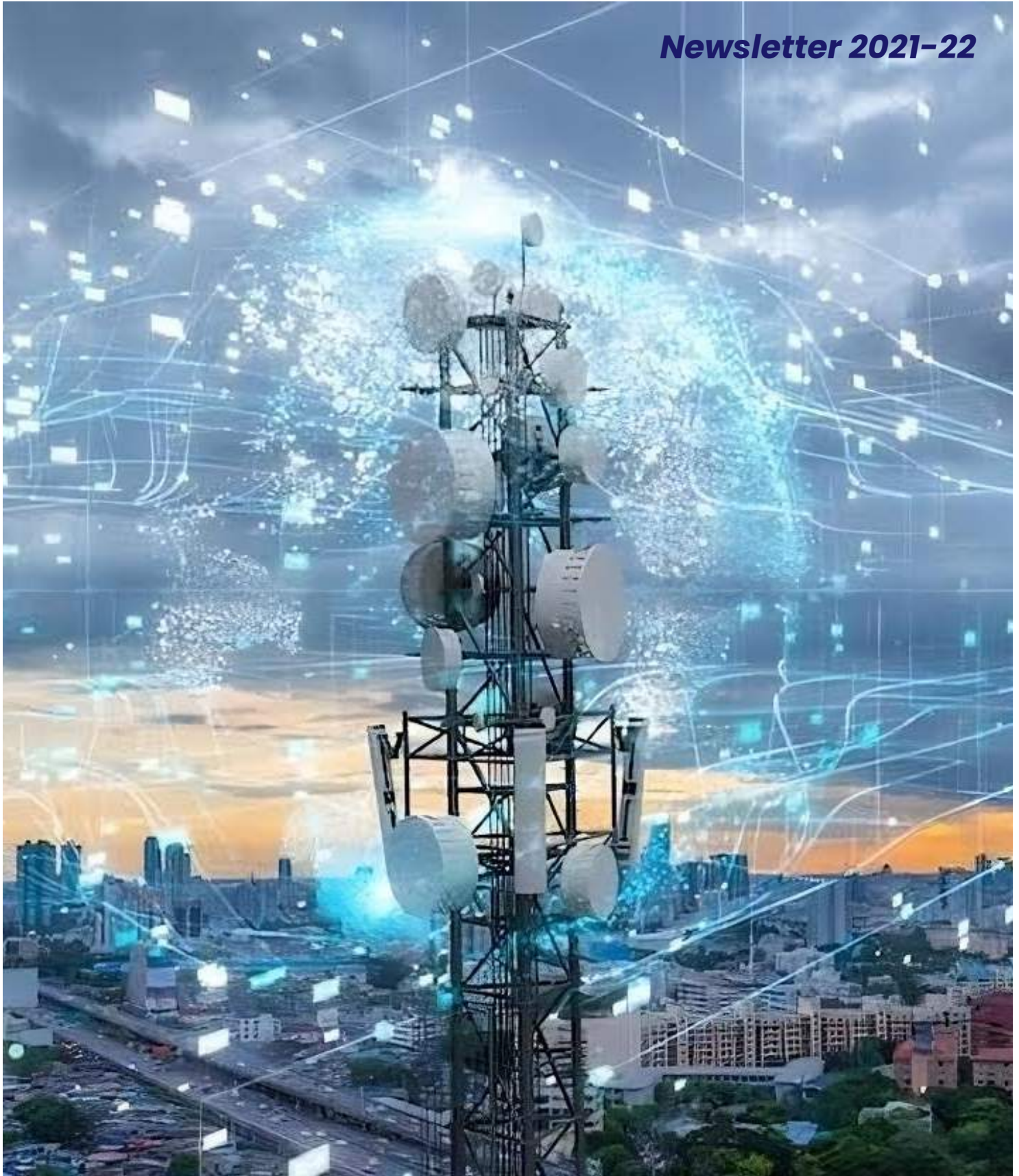




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ABOUT IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognised professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953. IETE is the National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals. It serves more than 1,25,000 members (including Corporate, Student and ISF members) through various 63 Centres, 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 recognised 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

IETE focuses on advancement of 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-SAKEC

VISION

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

MISSION

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

OBJECTIVES OF IETE-SAKEC

1. 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.
2. To bridge the curriculum gap by workshops, industrial visits and competition at intra and inter college levels
3. To provide connectivity, guidance and opportunities to gel with Electronics & Communication industry
4. 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, It gives me immense pleasure to extend my warmest greetings as we come together for another edition of our annual newsletter. As Principal of Shah & Anchor Kutchhi Engineering College, I am continually inspired by the dedication and passion our members exhibit towards fostering excellence in the field of engineering and technology.

Your commitment to professional growth and knowledge-sharing is paramount in shaping the future of our industry. I encourage each of you to embrace this opportunity to connect, collaborate, and innovate as we strive towards collective success. Let us continue to uphold the values of integrity, innovation, and inclusivity, driving us towards greater achievements in the coming year.

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

MESSAGE FROM ISF COORDINATOR



Dr. Vinutha T. P.
ISF Co-Ordinator, SAKEC
EC member & TPC Convener
IETE Mumbai

Weekly webinar series on Recent Technological trends was an unique opportunity planned to introduce students to pick relevant project titles. We utilized the online platform for an International panel discussion on disaster management. We could host the IETE Oscillations Valedictory and World Telecommunication & Information society day in our premises.

It gives me great pleasure to share some exciting updates with you through our professional body's newsletter. Firstly, I would like to express my heartfelt gratitude to all our members for their unwavering dedication and commitment to advancing our field. Your passion and expertise continue to drive innovation and excellence in our profession.

IETE SAKEC STUDENT MEMBERS



Mr. Utkarsh Nilesh Gohil
President/Chairperson :
The Face of The Cell



Ms. Diksha Vijay Pawar
Treasurer : To Keep Accounts
Of Every Transaction Made



Ms. Manral Vibha Kuldeep
Secretary : The Cordinator
Of The Whole Cell

IETE SAKEC STUDENT MEMBERS



1. Trushti Praful Chotaliya
2. Sejal Prakash Madrecha
3. Mohamed Yasin Allah Baksh Shaikh
4. Utkarsh Nilesh Gohil
5. Diksha Vijay Pawar
6. Tejas Santosh Pawar
7. Ubaidullah Rafatulaah Khan
8. Suraj Santosh Gupta
9. Rutwik Ravindra Gosavi
10. Anup Ramdas Shinde
11. Dipesh Rajaram Thube
12. Nayan Anil Shinde
13. Shubham Erande
14. Siddharth Sharma
15. Khushi Sunil Gupta

EVENTS



Weekly Webinar Series: "Insight Of Recent Technological Trends" - August 2021



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 included professors from esteemed institutes and engineers from Entuple Technologies in Bangalore. A total of 207 participants, comprising faculty members, students from

different colleges, and industry professionals, were registered. The event spanned 13 hours in total, with sessions held weekly for approximately 3 hours.

Events

International Panel Discussion on “Adaptation of advanced technologies before reacting and responding to any natural disaster globally”- September 2021



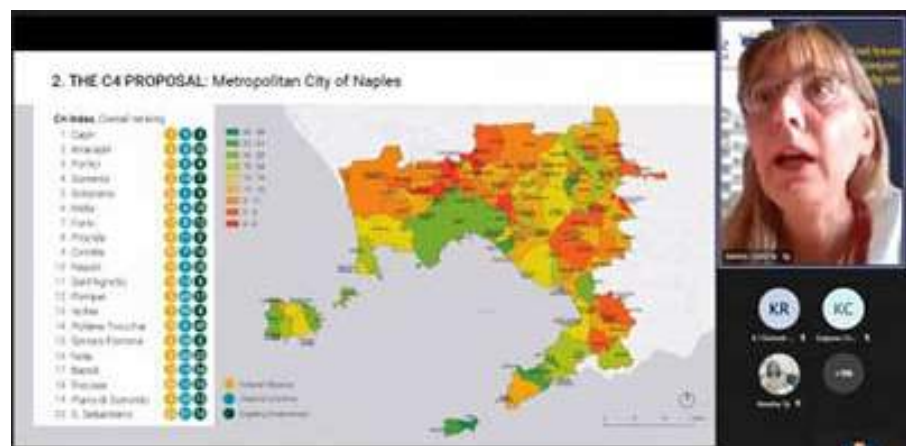
The Department of Electronics and Telecommunication Engineering and IETE-SAKEC from Shah and Anchor Kutchhi Engineering College had arranged an international panel discussion on the subject.

“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. 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 showcased their city port Napoli projects concerning disaster management, circular economy for the city port Napoli, and GIS technology. The aim is to conduct further research on risk, exposure, and vulnerability, with a focus on potential impacts from earthquakes, volcanic eruptions, and hydrogeological events.

During the panel discussion, moderator Dr. Kalpana Chaudhari posed several questions to the panelists, which were thoroughly addressed and deliberated in the context of both the Indian and European scenarios.



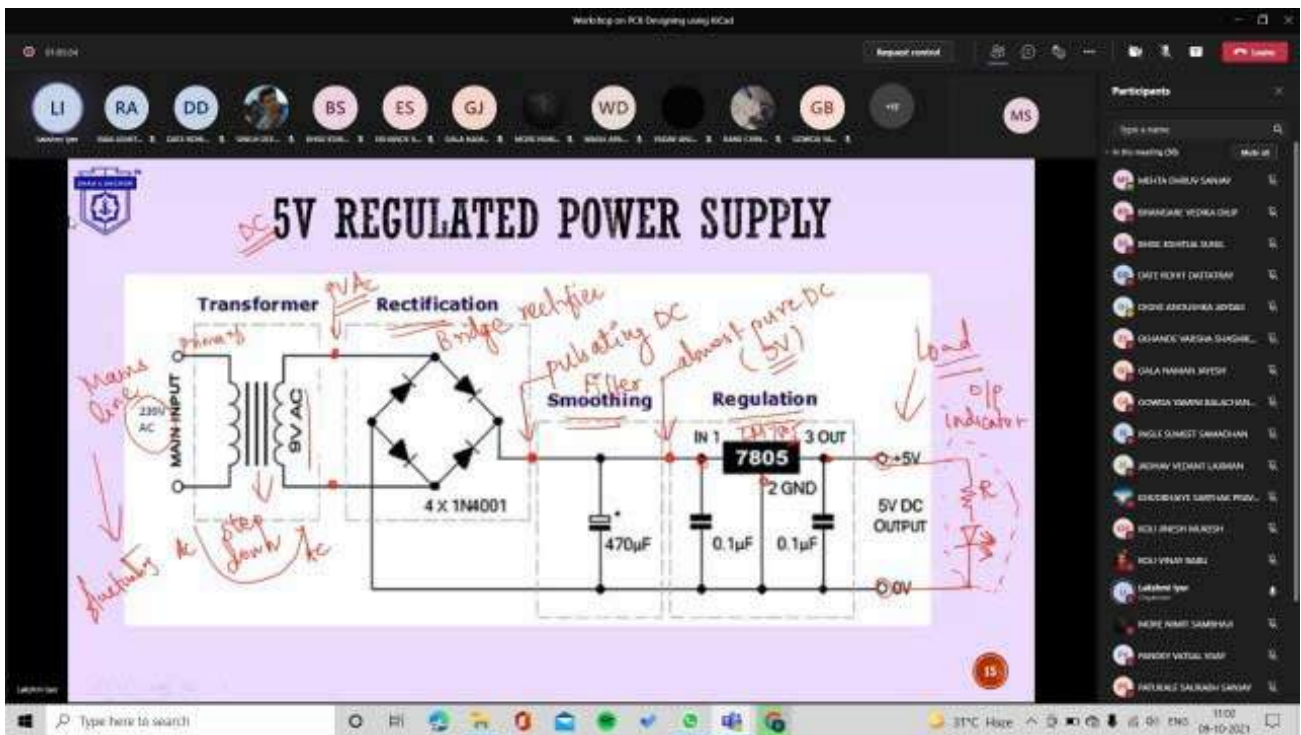
Events

PCB Designing using KiCad Workshop

The poster features a blue background with a circuit board pattern. At the top, it reads 'Shah & Anchor Kutchhi Engineering College' with its logo on the left and a small award icon on the right. Below the college name, it states 'Affiliated to University of Mumbai, Approved by D.T.E & A.I.C.T.E' and 'Mahavir Education Chowk, W.T. Patil Marg, Next to Dukes Company, Chembur Mumbai- 400 088'. The department is 'Department of Electronics & Telecommunication Engineering'. It is 'in association with' IETE and SAKEC, with their logos. The text says 'Organizes Workshop on "PCB Designing using KiCad"'. The speaker is 'Prof. Lakshmi Iyer, Assist. Professor, EXTC, SAKEC'. The date is '09 October, 2021', time is '10:00 AM', and venue is 'MS Teams'. Contact information includes 'admission@sakec.ac.in', 'www.shahandanchor.com', '022-25580854', and '@sakectweets'. Social media handles for @sakec_chembur, @shahanchor, and school/sakec are also listed.

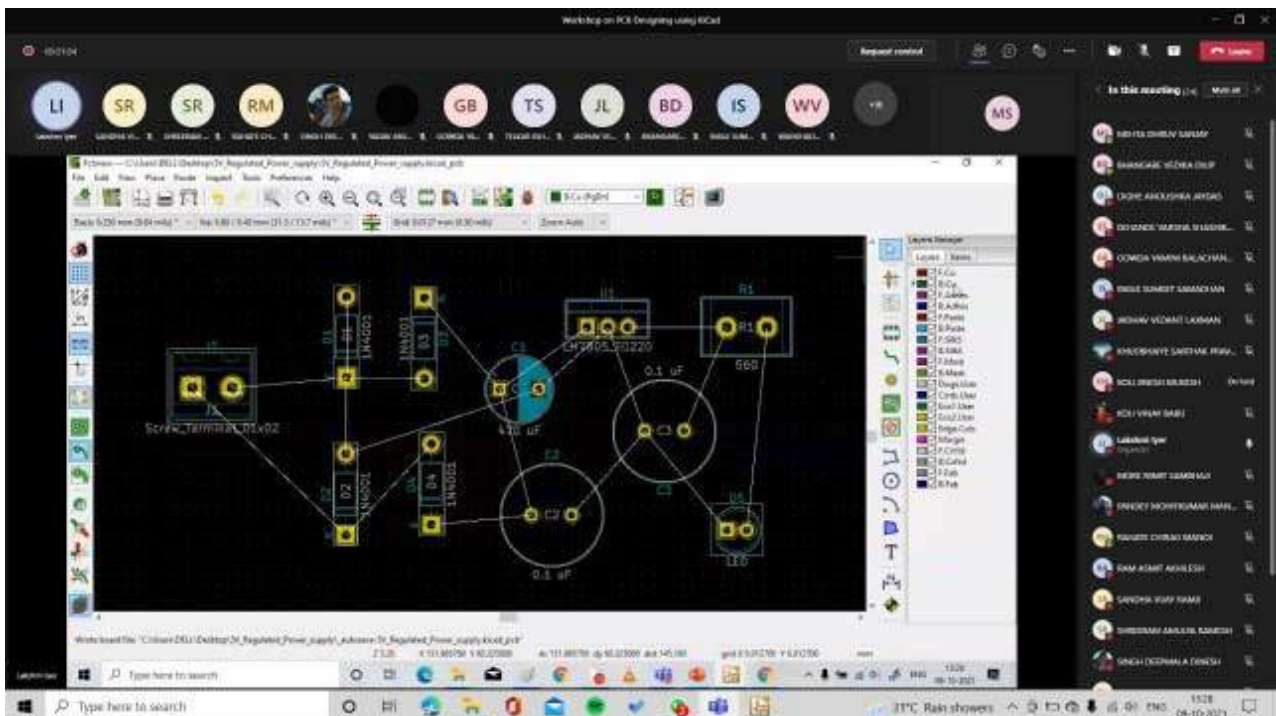
The EXTC Engineering Department organized a "PCB Designing using KiCad Workshop" on October 9, 2021, in collaboration with IETE SAKEC. The event, coordinated by Ms. Lakshmi Iyer, Assistant Professor, was attended by 26 students. The workshop began with Dr. T.P. Vinutha, H.O.D. of the EXTC department and IETE-ISF Coordinator. Iyer introduced students to the concept of general-purpose boards (PCBs) and the importance of various layers like solder mask, silkscreen, and copper pour.

The speaker introduced the open-source software tool of K-Cad. The speaker introduced KiCad, an open-source software tool, to students, explaining its functionality and design flow. Students were given an example of a 5V Regulated Power supply and were taught the schematic flow using Eeschema. They then imported the netlist, created tracks, and did DRC.



Students were also shown various ventures for sourcing components and a helpful video for designing PCBs at home. The session ended with a vote of

thanks and feedback, and the speaker appreciated the students' efforts in successfully designing a PCB on KiCad.



Events

Online Webinar, 'GATE Preparation – Future Opportunities'

SHAH & ANCHOR
Maharaja Education Trusts
Shah & Anchor Kutchhi Engineering College
Affiliated to University of Mumbai, Approved by D.T.E & AICTE
Maharaja Education Centre, W.T. Pooji Marg, Next to Gulam Company, Chembur Mumbai- 400 058

NISA
AACSB
NBA

Department of Electronics & Telecommunication Engineering
In Collaboration with
IETE SAKEC

IETE SAKEC
Organizes

GATE PREPARATION – FUTURE OPPORTUNITIES
on 29th January 2022 at 2:00 pm

Microsoft Teams

Speaker:-
Mr. Biswadeep Guha Roy & Team
ACE Engineering Academy, Pune

Session for S.E, T.E, B.E Students

admission@sakec.ac.in | www.shahanchor.com | 022-25580854 | Admission Enquiry: 09136400555
@sakec_chembur | @shahanchor | school/sakec | @sakotweets

Department of Electronics and Telecommunication Engineering in association with IETE SAKEC organized an Online Webinar, 'GATE Preparation – Future Opportunities' on 29 January 2022 at 2.00 Pm.



The event was started by A session on GATE exam overview, welcoming speaker Mr. C career opportunities after B.E., Seravan Kumar, IES, Senior preparation tips, and general Teaching Faculty, and Mr. aptitude for GATE was attended Biswadeep Guha Roy, Business by around 75 students from SE, TE, Development Manager In ACE and BE branches. The event was concluded by Dr. T.P. Vinutha, HOD EXTC & ISF Coordinator with her motivating words.

GATE – DIRECT OPPORTUNITIES

PLACEMENTS FOR ME/ M.TECH/ MS IN IISC, IITS, NITS

 IIT B	 PG: 26 UG/02	 PG: 05 UG/05	 PG: 04 UG/05		 PG: 05 UG/05	 PG: 09 UG/02
 IIT R		 180 PG students placed				
 IIT M				 IIT G		

203 of 507 PG students got placed in 10 days

Many PG students got good placements

Postgrads score big in IIT placements

Events

Online Technical Paper Presentation Competition" under Oscillation 2022



Department of Electronics and Telecommunication Engineering in collaboration with IETE-SAKEC conducted "Online Technical Paper Presentation Competition" under Oscillation 2022, a technical initiative started under IETE on 23 March 2022.

All the Final Year SAKEC EXTC students participated in this event and around 13 project groups presented their project work through paper presentations.

This Event was conducted in 2 days

1. 23 March 2022: Presentation of all submitted papers in front of Internal Panels
2. 6 April 2022: Presentation of shortlisted papers in front of External Panel.

The event was judged by Expert Panel (Dr. Uttara Gogate and Prof. Preethi Warrior). Around 80 people witnessed this event which included all participating students and faculties.

Events

Online Project Poster Presentation Competition 2022

Department of Electronics and Telecommunication Engineering in collaboration with IETE-SAKEC conducted "Online Project Poster Presentation Competition 2022" on 26 April 2022.

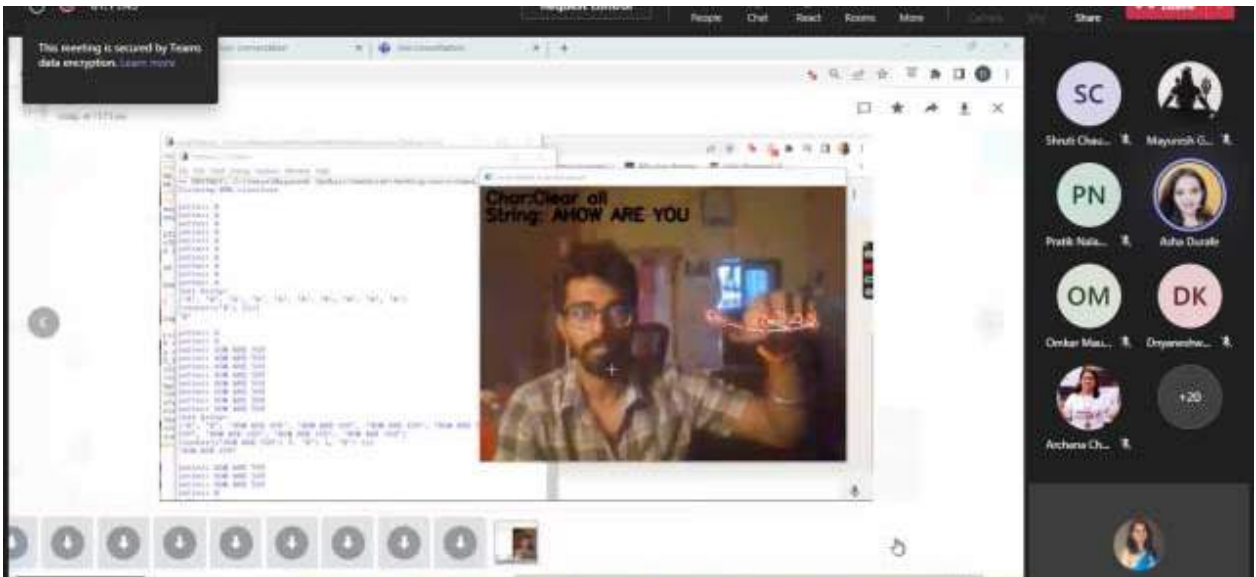
Mahavir Education Trust's
Shah & Anchor
Kutchhi Engineering College
Affiliated to University of Mumbai, Approved by D.T.E. & A.I.C.T.E.
Mahavir Education Trust, W.T. Road No. 1, Near La Exports Company, Chembur, Mumbai - 400 008

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
IN ASSOCIATION WITH
IETE-SAKEC
PRESENTS
Project Poster Presentation

Live on
Microsoft Teams

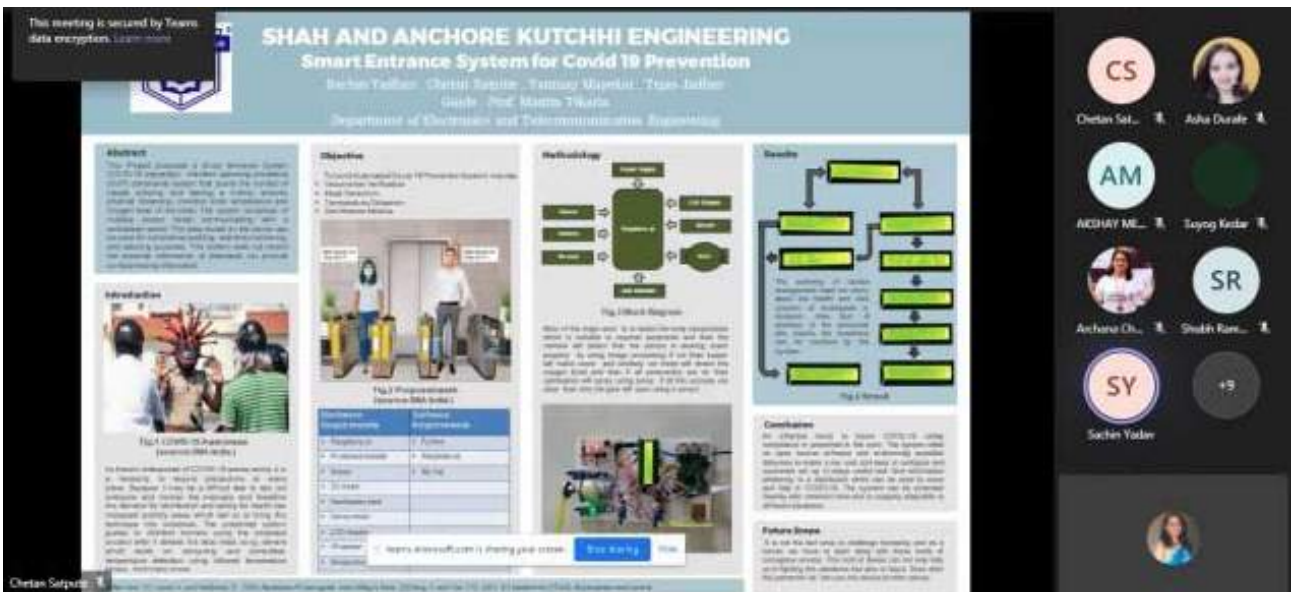
16th April 2022

admission@sakec.ac.in www.shahandanchor.com 022-25580854 Admission Enquiry: 09136400555
@sakec_chembur @shahanchor school/sakec @sakectweets



All the Final Year SAKEC EXTC students participated in this event and around 10 project groups presented their project work through poster presentations. Each Project Group was given 08 min for the presentation followed by QA session with the Expert Panel and other faculties. This Event was conducted in two days.

1. 16 April 2022: Submission of poster.
 2. 26 April 2022: Presentation of submitted poster in front of external panel.
- The event was judged by Expert Panel (Prof. Asha Durafe and Prof. Archana Chaugule). Around 50 people witnessed this event which included all participating students and faculties.



Events

VALEDICTORY SESSION OF OSCILLATIONS 2022

IETE-ISF, Shah and Anchor Kutchhi Engineering College in association with IETE MUMBAI CENTRE Organized a Valedictory Session of OSCILLATIONS-2022 . A final Meet-up of all IETE-ISF bodies of various colleges and Technical Talk at Shah and Anchor Kutchhi Engineering College, Chembur, Mumbai.

Technical Talk on “Machine Learning for Audio Understanding-Enabling Computers To Hear Like Humans” was arranged for all participants from various colleges at 2.00 Pm followed by Valedictory Session.

Technical Talk by Mr. Prateek Verma and his live demo about Audio processing was enjoyed by all participants. Speaker was felicitated by Dr. T.P. Vinutha, HOD EXTC Department, ISF Coordinator with memento at the end of the talk.

The Valedictory session of the IETE Mumbai Centre was attended by the Chairman, Secretary, faculty coordinators, winners, and participants. The session began with a presentation by Mrs. Gauri Deshpande about the OSCILLATIONS technical Intercollegiate Competition. Dr. Bhavesh Patel addressed the audience about the valedictory session of OSCILLATIONS 2022. The session then moved to the certificate distribution, where winners were congratulated for their achievements in the 1st, 2nd, and 3rd positions. The best ISFs were also given certificates to encourage future participation. The session concluded with a vote of thanks to the organizing team, speaker, and attendees.

Events

World Telecommunication and Information Society Day celebration & Lecture on “Digital Technologies for Older Persons and Healthy Ageing”

IETE, IEEE Bombay Section, IET, and Broadcast Engineering Society (India) jointly organized “World Telecommunication and Information Society Day Celebration 2022” at Shah and Anchor Kutchhi Engineering College, Chembur, Mumbai on 22/05/2022.

The World Telecommunication and Information Society Day Celebration session started at 5:45 pm, session was attended by the IETE Mumbai Centre Chairman, IETE Mumbai Centre Secretary, Members of EC of IETE Mumbai and Navi Mumbai, Chairpersons of IEEE Bombay section, BES and IET Mumbai. The session started by welcoming the dignitaries and speaker.

Dr. Prateek Deshpande introduced everyone to the seminar’s topic and in detail information about it. The seminar was very interactive as Dr. Prateek Deshpande had many interesting and engaging topics over “Digital Technologies for Older Persons and Healthy Ageing”

The speaker shared his experiences in case of cyber crime by giving real life scenarios. He also informed the audience regarding various cybercrimes and tips and tricks essential for people whoever is using smartphone and internet. He cleared all the doubts of the audience at the end of the seminar. For future interaction, the speaker also shared his email.

The session ended with the vote of thanks to the organizing team, the speaker of the session, and to all the students and faculties who have attended the session.

EDITORIAL TEAM



Shwetha Shetty



Nayan Kotian



Vinay B. Koli



Sairaj kotian



2021-22

NEWSLETTER FOR IETE SAKEC MEMORABLES