

HOPE FOUNDATION'S
FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI



(APPROVED BY AICTE, RECOGNIZED BY DTE AND AFFILIATED TO MUMBAI UNIVERSITY)

TELE-CONVERSE

Bi-annual Newsletter
OF

**ELECTRONICS AND TELECOMMUNICATION
ENGINEERING DEPARTMENT**

VOLUME 6, ISSUE 1, (1 JANUARY 2022 - 30 JUNE 2022)



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List of Faculty/Staff Members in the Department

Faculty Members

1. Prof. (Dr.) Sharada V. Chougule (Associate Professor)
2. Prof. Giri S. Kulkarni (Assistant Professor)
3. Prof. Suhasini S. Goilkar (Associate Professor)
4. Prof. Mansi S. Kolwankar (Assistant Professor)
5. Prof. Sujay D. Mainkar (Assistant Professor)
6. Prof. Rashmi R. Kulkarni (Assistant Professor)
7. Prof. Neha S. Sakhalakar (Assistant Professor)
8. Prof. Vinayak D. Chavan (Assistant Professor)
9. Prof. Asmita A. Chavan (Assistant Professor)
10. Prof. Vijay M. Galshetwar (Assistant Professor)
11. Prof. Saurabh S. Athalye (Assistant Professor)

Staff Members

12. Mr. Sandip R. Pardule
13. Mr. Paresh Sambare

Vision

- ❖ To develop competent professionals who will be able to contribute effectively to the advancing electronics & telecommunication technologies.

Mission

- ❖ To provide quality education through practical knowledge and technical skills.
- ❖ To strengthen industry interaction to meet current and future trends.
- ❖ To inculcate teamwork spirit, leadership qualities and human values.

Program Educational Objectives (PEOs)

PEO 1	Integration of knowledge	Integrate fundamental knowledge in mathematics & basic engineering sciences to solve real life technical problems.
PEO 2	Implementation and testing	Train students to understand the concepts of simulation, synthesis, implementation and testing to create and analyze different projects in the various fields of Electronics & Telecommunication engineering.
PEO3	Ethics and Human values	Nurture students for effective communication, cultured mannerism, ethical values, and teamwork and entrepreneurship skills.
PEO4	Professional development	Encourage professional development including higher education to produce graduates who will pursue lifelong learning.

Program Specific Outcomes (PSOs)

PSO1	Utilization of Domain specific knowledge	Students will be able to showcase knowledge gained in the domains of communication engineering, signal processing, RF/microwave engineering, semiconductor technology, digital and embedded systems.
PSO2	Awareness and adaptability to recent trends	Gain awareness regarding design skills, software packages and telecom standards.

Highlights of the Department

- ❖ Intake of 60 students
- ❖ Well qualified Teaching faculty and experienced Lab assistant
- ❖ 08 Spacious Laboratories
- ❖ State of the art Equipment / instruments
- ❖ Plenty of electronic components and consumables 55 PCs with good configuration
- ❖ Well Equipped PCB Design Lab
- ❖ Seminar Hall
- ❖ LCD Projector
- ❖ Departmental Library with approximately 200 titles
- ❖ Regular conduction of workshops, Seminars, Training Programs and Competitions
- ❖ Alumni placed worldwide in renowned companies like IBM, Infosys, Tech-mahindra, L&T-Infotech, Capgemini, Cognizant, TCS, Vodafone, Flex etc.
- ❖ Alumni working as Entrepreneurs

Programs organized by the Department

1] Alumni Interaction on Carrier Path for E&TC Engineers

An Online Alumni Session on Career Path for E&TC Engineers was organized by the Electronics and Telecommunication Engineering Department on 15th January 2022.

Mr Vishal Chitale, Sr. Software Engineer at Hella GmbH, Pune and Mr Harihar Dongare, Sr. Software Engineer, Embedded Software Testing Knorr-Bremse Technology Center India, alumni of the 2017 E&TC batch, delivered the session for E&TC students through Google Meet.

This session was attended by 50+ students of S.E, T.E. and B.E. E&TC along with a few faculty members of the department. The session helped students to know about opportunities for E&TC Engineers in Public Sector, Embedded field, etc.

Mr Vishal Chitale explained the importance of a strong resume and various ways to improve the resume through additional certifications, internships, projects, publications etc. Mr Harihar Dongare explained the importance of programming language and self-learning with the online resources. They also explained how E&TC Engineers can blend themselves in the Electronics and IT fields.

The session was superintended by the Head of Electronics and Telecommunication Engineering Department, Dr. S. V. Chougule along with Prof. Mansi Kolwankar as the Department coordinator. The vote of thanks was expressed by Prof. Giri Kulkarni. The participants interacted with alumni and also showed interest in attending such alumni sessions in future.



Mr Vishal and Mr Harihar interacting with Students

2] Parichay 2K22

The Department of Electronics & Telecommunication Engineering under Association for Students of Electronics and Telecommunication (ASENT) organized 'Parichay-2K22' on 29th January 2022 online.

'Parichay-2K22' is celebrated to welcome Second Year students in the department. Dr S V Chougule, HoD E&TC, Ms A. A. Chavan, ASENT Faculty In-charge, Faculty members of E&TC department and E&TC students were present for the event. The program started with Sarswati vandana. The BE student welcomed faculty, staff members and students.

Dr S.V. Chougule welcomed all for the event and introduced the students to the E&TC branch. She also shared detailed information about the department and different events which would be organized in the department. Ms A. A. Chavan, ASENT Faculty In-charge, congratulated students for arranging the event successfully. She motivated students to take part in different activities which would boost their confidence, leadership, team skills.

BE students shared their journey in the department and guided students regarding placements through their experiences. B.E. students arranged different online fun games for S. E. students to enable them to actively participate and interact with seniors.

This program served the following objectives:

- 1) To welcome SE students in the department.
- 2) To motivate students to participate in co-curricular and extra-curricular activities for balanced academics.
- 3) To improve managing skills, leadership and team skills and overall personality of students.
- 4) To improve the interaction between students of SE, TE, BE.

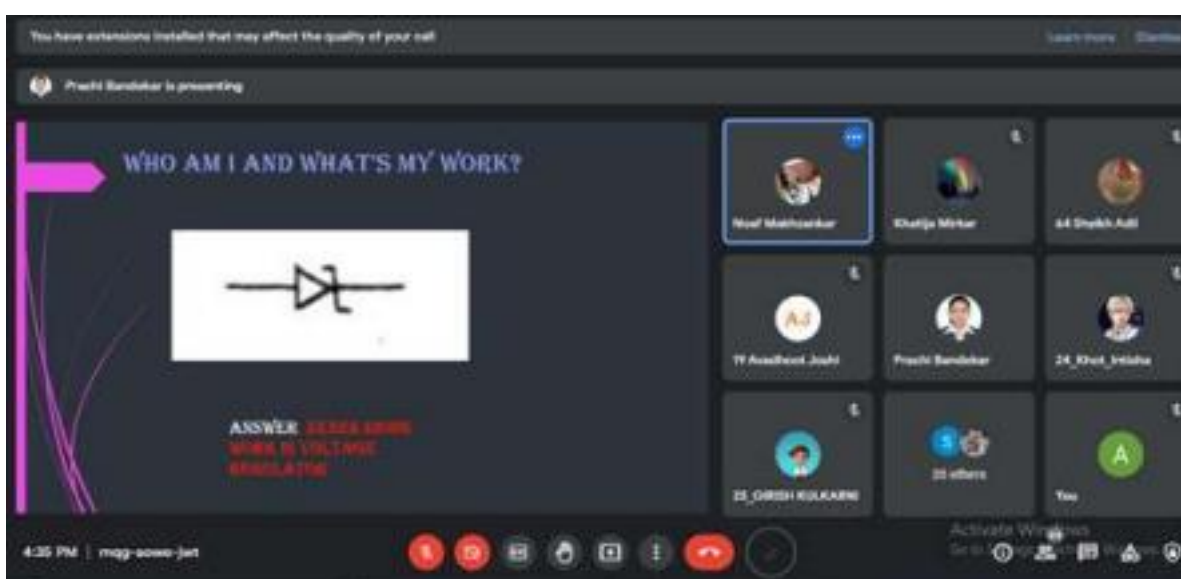
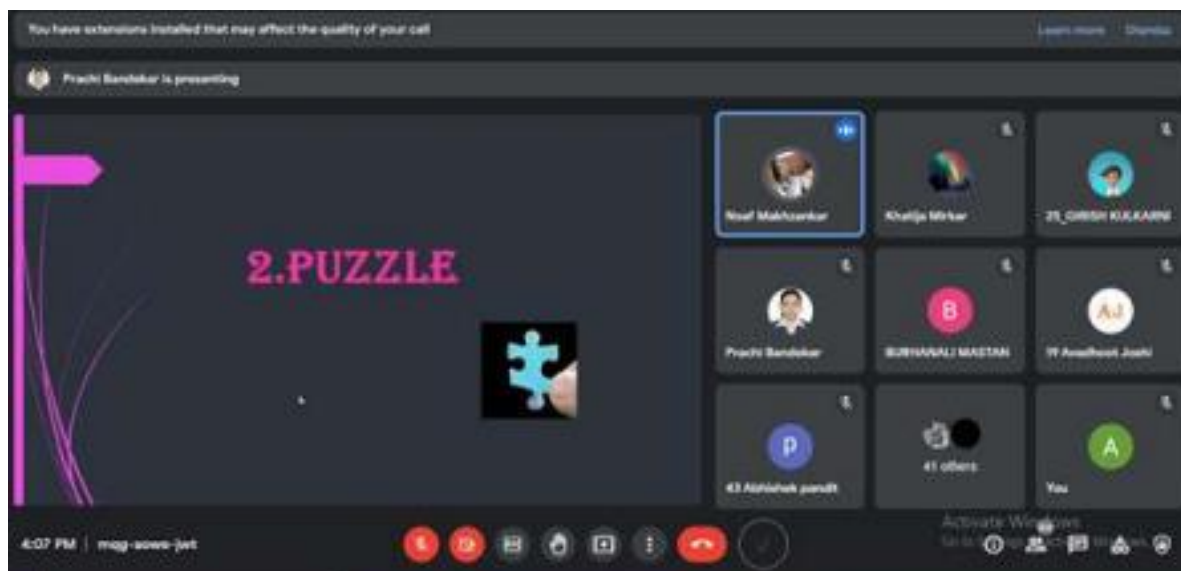


Parichay-2K22

ELECTRONICS AND TELECOMMUNICATION ENGINEERING



Dr S V Chougule, HOD EXTC, faculty members and the students on the occasion of Parichay-2K22



Activities on occasion of Parichay 2K22

3] Webinar on Innovations and Intellectual Property Rights

A Webinar on Innovation and Intellectual Property Rights was organized by the Department of Electronics and Telecommunication Engineering on 05 March 2022 for all FAMT faculty and E&TC students. Dr Anand Kakade, Founder - Anand Techno-creations, Satara and Dean R&D at RIT Engineering College, Sakharale, was invited to delivered the session.

Prof. Rashmi R. Kulkarni introduced Dr Anand Kakade and extended warm welcome. Dr Sharada V. Chougule, the HoD, presented the objectives of the webinar i.e., understanding innovation, Intellectual Property Rights, types of patents and procedures to file patents. Dr Kaushal Prasad, Principal, FAMT shared an informative talk on innovations.

Dr Anand Kakade explored all the topic in detail with case studies of commercial products. He also explained ways to convert projects into a product. He explained the technical aspects of 12 commercial products launched by him in the market e.g. world's first curd making machine, and IOT based saline monitoring system which was tested in Krishna hospital, Karad.

The webinar was attended by a total of 46 students and faculty. The session was ended with a vote of thanks.



Dr Sharada Chougule talking about the Objectives of the webinar

Dr Kaushal Prasad, exploring innovations



Anand Kakade, the Resource person, delivering the talk Dr. A. B. Kakade explaining ITR act



Dr Kakade exploring IOT based saline monitoring system Question and Answer session

4] Webinar on Advances in VLSI- FPGA Design: An Industry Perspective and Career Opportunities

A Webinar on Advances in VLSI-FPGA Design: An Industry perspective and Career Opportunities was organized by the Department of Electronics and Telecommunication Engineering on 07 March 2022 for the students of TE and BE E&TC students, and the faculty members.

Mr Ritesh Belgudri, FAMT Alumnus, was the resource person for this webinar. Mr Ritesh Belgudri is a member of technical staff, EdgeQ, Bangalore and has worked as Field Applications Engineer at Intel Corporation, Bengaluru. He was also associated with Axlware Technologies (Indian Subsidiary of Futura IT Solutions, UK,) as a FPGA Architect and with Unizen Technologies, Bangalore as FPGA Design Engineer for four years.

The session was started with the welcome and introduction of Mr Ritesh Belgudri. Dr Sharada V. Chougule, the HoD, introduced the objectives of the webinar i.e. to get information about FPGA design flow, applications of FPGAs, career opportunities in this domain, and current industry trends. Mr Ritesh explained the hardware details of the MAX10 FPGA board and some FPGA boards. He suggested some projects to students and advised learning by doing. The students and faculty members interacted with the guest speaker on

various aspects of the VLSI FPGA.

The session was ended with a vote of thanks. The webinar was attended by a total of 31 students and faculty members and was coordinated by Prof. R.R. Kulkarni.



Mr Ritesh Belgudri, delivering the talk





Question and Answer session

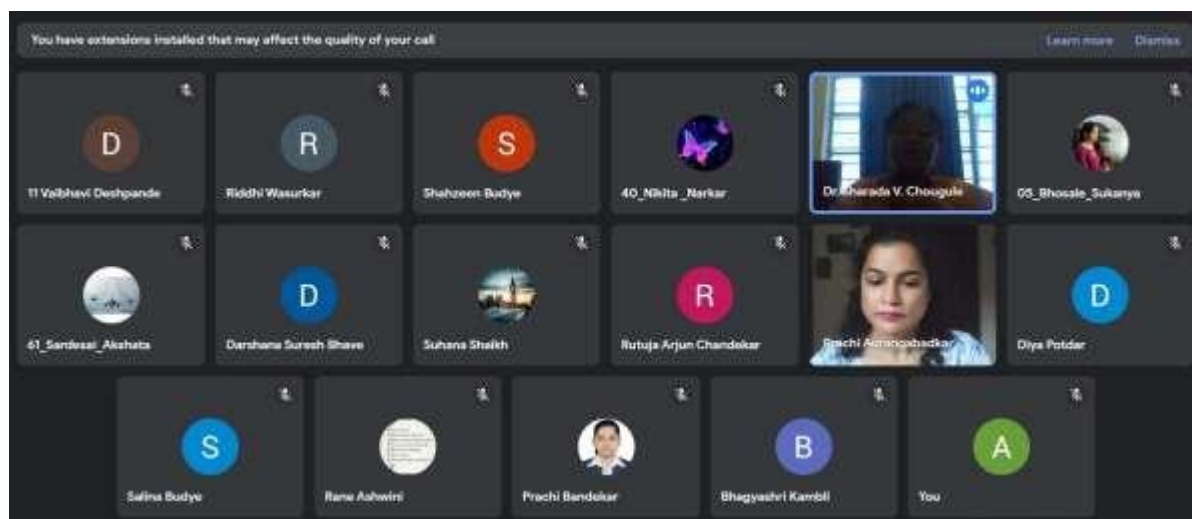
5] Talk on Women Empowerment: A Health Perspective

Association for Students of Electronics and Telecommunication (ASENT) organized an online Talk on Women Empowerment: A Health Perspective on 08th March 2022 on the occasion of International Women's Day.

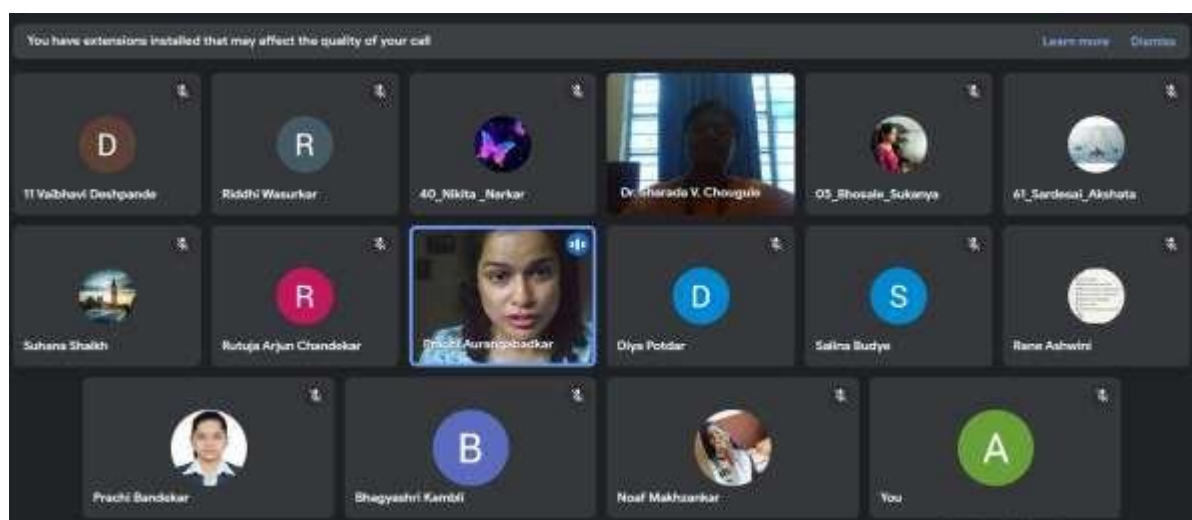
Dr Prachi Aurangabadkar was the chief guest for this program. Dr S V Chougule, the Head, welcomed and introduced the chief guest. Dr Prachi Aurangabadkar shared information about Women's Empowerment and the background to the women's day. She explained common women's health problems and the importance of regular exercise, meditation and healthy diet for a healthy life. She also discussed the laws and rights of women.

Prof. A. A. Chavan, the faculty members and the girl students were present and also interacted with Dr Prachi on the mental and physical health. The program ended with a vote of thanks. The session was very informative and served the following objectives:

- 1) To explore the importance of Women's Day
- 2) To create awareness about Women Empowerment: A Health Perspective.



Dr S V Chougule introducing the chief guest



Chief guest Dr Prachi Aurangabadkar guiding the audience on the occasion of 'Women's Day Celebration'

6] Techspring 2K22

The Association for Students of Electronics and Telecommunication (ASENT) organized the technical event „Techspring- 2K22“ on 26 March 2022.

The event provided a platform to encourage students to showcase their innovative ideas and technical excellence. The students from the institute participated with great enthusiasm. Events such as Innovative Project Idea Competition, Placement Arena, Circuit Building, Spell Bee, Debate Competition and Talent Show which includes Mehndi, Poem Writing and Painting were organized as a part of this event.

This program served the following objectives:

- 1) To motivate students to participate in co-curricular and extra-curricular activities for balanced academics.
- 2) To improve managing skills, leadership and team skills and overall Personality of students'.
- 3) To improve the interaction between students.



Students participated in “Debate Competition” and “Circuit Building” in Techspring 2K22



Students participated in the “Innovative Project Idea Competition” and “Group Discussion round in Placement Area” of TechSpring 2K22

7] Workshop on VLSI and Embedded Systems for Diploma students

The Department of Electronics and Telecommunication Engineering organized a one-day “Workshop on VLSI and Embedded Systems” on 30 March 2022 for Final year Diploma students at Sahyadri Polytechnic, Sawarde.

The training was attended by a total of 37 students along with 04 faculty members. The training program provided the knowledge of simulation and synthesis using Quartus II software in the VLSI domain.

Dr S. V. Chougule, Head of Electronics and Telecommunication Engineering Department, delivered a welcome address. Prof. G. S. Kulkarni, Associate Professor, Electronics and Telecommunication Engineering Department guided the students regarding Career Opportunities in VLSI and Embedded Systems. Prof. R. R. Kulkarni guided the students in the simulation and synthesis of Digital circuits using VHDL on Quartus II.

Prof. N. A. Marathe was a coordinator for this event. The event concluded with an address by Dr Kaushal Prasad, Principal and a thank you note by Dr S. V. Chougule, Head of Electronics and Telecommunication Engineering Department.

This program served the following objectives:

1. To give knowledge regarding VLSI and Career opportunities
2. To implement the system on FPGA



Session by Prof. R. R. Kulkarni



Session by Prof. G.S. Kulkarni

8] FAMT Organized Two Days International Conference on Communication and Computing ICCC - 2022

A two days International Conference on Communication and Computing (ICCC-2022) was organized from 8th to 9th April 2022 online at FAMT collaboratively by the Departments of IT, E&TC, Electronics and MCA with the support and motivation from Dr Kaushal Prasad, Principal, Finolex Academy of Management and Technology.

The Inaugural and Valedictory programs were held in the hybrid mode. Dr Sharada V. Chougule, Technical Program Chair of ICCC 2022 briefly introduced the conference. Dr Vinayak A Bharadi, Publication Chair, introduced the conference guests. The Chief Guest at the Inaugural Ceremony, Mr Pradeep Bhargava, Director, Cummins Generator Technologies India Ltd., delivered an online speech on research, paper presentation, and technological innovations. The Guest of Honor Dr Kishor Sukhtankar, Incharge Director, Ratnagiri Sub campus, University of Mumbai, addressed on research funding schemes of AICTE and National Educational Policy. Ms Amrita M. Katara Madam, the Managing Trustee - HOPE Foundation, graced the inaugural ceremony and shared her thoughts on the foundation of FAMT. Dr Kaushal Prasad, the Principal, addressed the participants about ICCC-2022 and congratulated the organizing team for their initiative.

The keynote speakers of the conference were Dr Yogesh Dandawate, Dr Sudeep Thepade, and Dr Amol Amberdekar. The conference sessions were chaired by Dr Sujata Algevi, Prof. V A Bharadi, Dr Prachi Janrao, Prof. Mandar Joshi, Prof. Santosh Jadhav, Dr M S Chavan, Prof. G G Bhide, Dr Manoj Chavan, Dr Sanjay A Patil, and Prof. S R Nalage. The papers and

keynote speeches of the conference were presented online. A total of 36 papers were presented by 133 participants which would be published in the INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS - IJCRT (IJCRT.ORG), International Peer Reviewed & Refereed Journals, Open Access Journal, ISSN: 2320-2882 | Impact factor: 7.97. FAMT Technical staff extended the technical support.

The conference aimed at bringing together the leading academicians, researchers, industrialists and research scholars to exchange and share their research ideas and results regarding novel and innovative outcomes in various domains encompassing communication and computing. It provided a forum for Research Engineers, Industrialists, Scholars and Students together to present their research work and hence encouraged research interactions between universities and industries. The conference intended to bring forward quality research in the field of Communication, Computing, Networking, Signal and Image Processing, Artificial Intelligence, Machine learning, and Deep Learning, Data Science and Page 2 of 5 Engineering, Computing Technologies, RF circuits and Systems, VLSI and Embedded Systems, IoT and IIOT, Robotics, Instrumentation and Automation etc.



**Dr Kishor Sukhtankar Sir, Incharge Director, Ratnagiri Sub campus, University of Mumbai at
Inaugural function of ICC 2022**

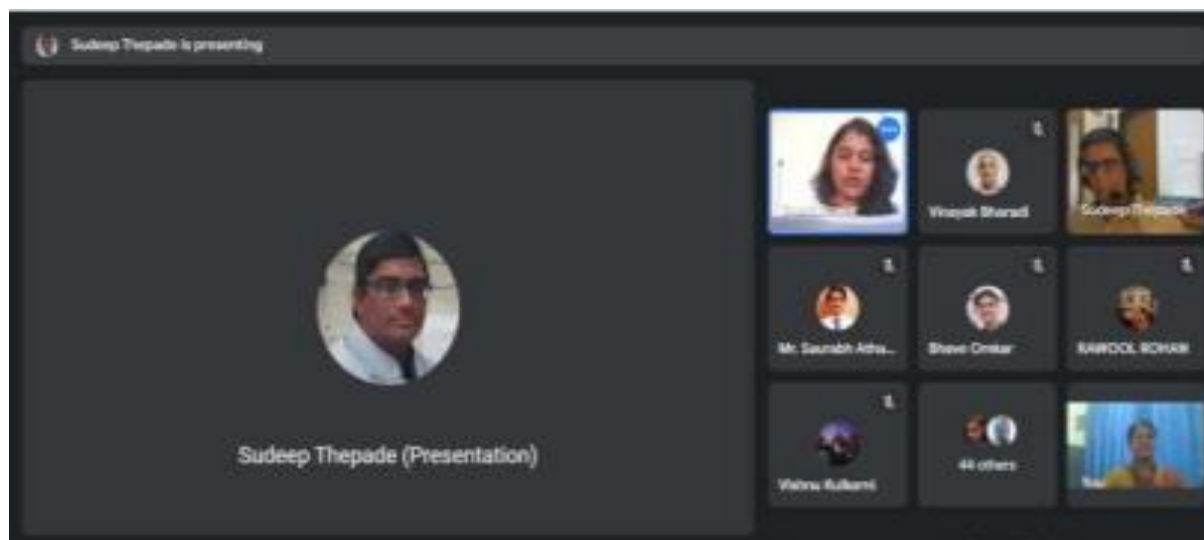


Mr Pradeep Bhargava Sir, Director, Cummins Generator Technologies India Ltd, at the Inaugural function of ICCC 2022

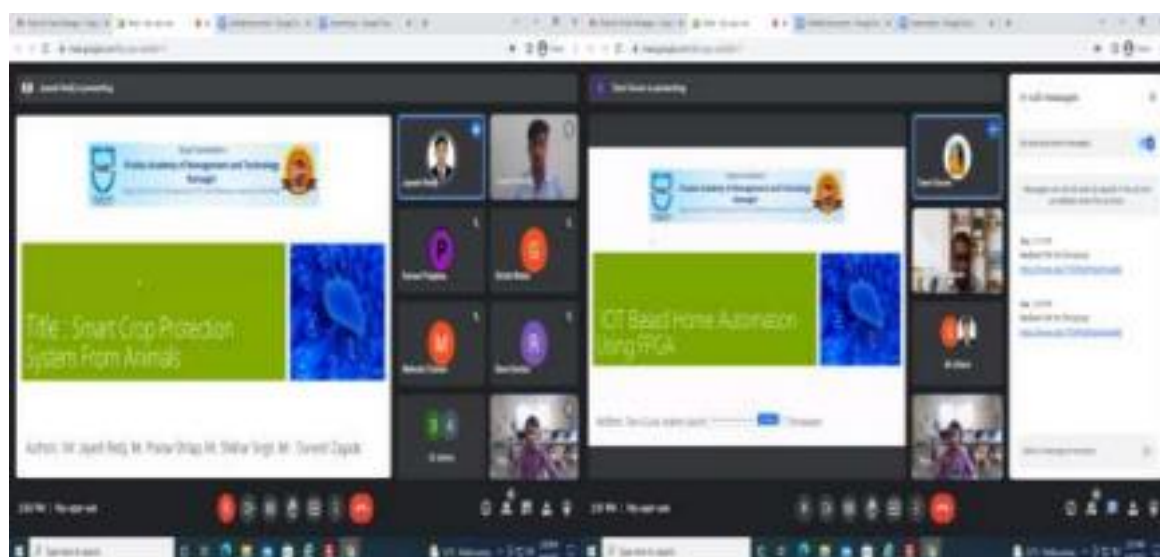


Ms Amrita Katara madam, Vice President, Hope Foundation, at the Inaugural function of ICCC 2022





Keynote Speeches of ICCC 2022



Paper presentation at ICCC 2022



Organizing Team with Dr Kaushal Prasad at Valedictory function of ICCC 2022



Organizing Team with Dr Kaushal Prasad at Valedictory function of ICCC 2022

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9] Inauguration of IETE - SF

Department of Electronics and Telecommunication Engineering established an Institution of Electronics and Telecommunication Engineers, A Student Forum. It was inaugurated online in the presence of Dr Mukesh D. Patil, Chairman, IETE Navi Mumbai, Dr Baban Rindhe, Ex Chairman, IETE Navi Mumbai, Mr Sanjay A. Patil, Secretary, IETE Navi Mumbai and Dr Kaushal Prasad, Principal-FAMT on 20 April 2022.

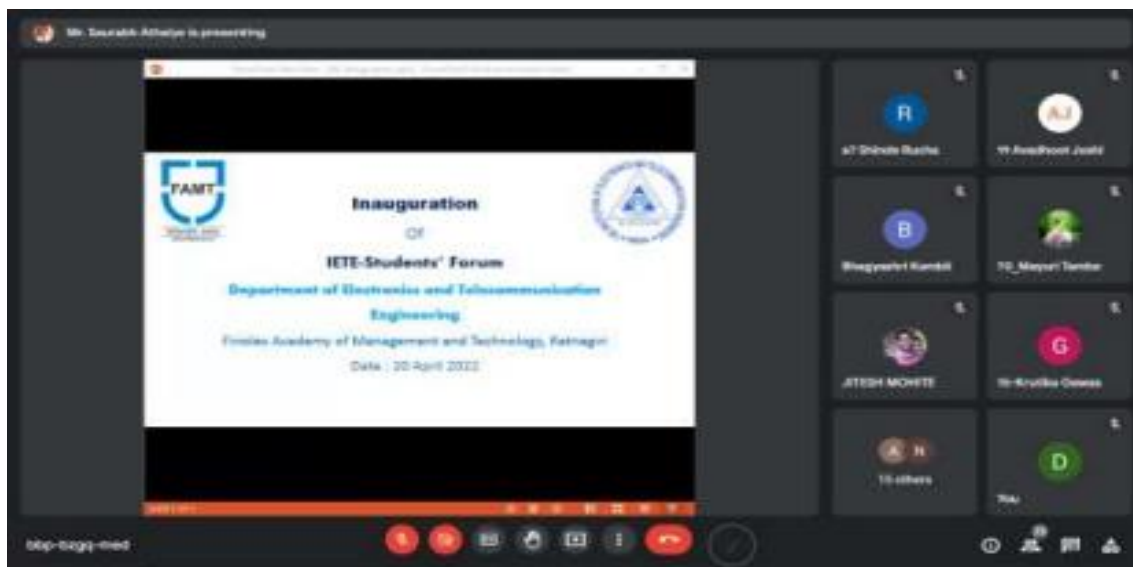
ISF-Faculty Coordinator Prof. Saurabh Athalye welcomed and introduced the dignitaries. Dr S. V. Chougule, Head of E&TC department, briefed about the objectives for formation of the IETE-SF as follows:

1. Improving the standard of Engineering Education
2. Counseling the students in the emerging new opportunities
3. Encouraging and motivating the outside Classroom studies /Workshops/projects/Seminars
4. Increasing the student base and corporate membership of IETE

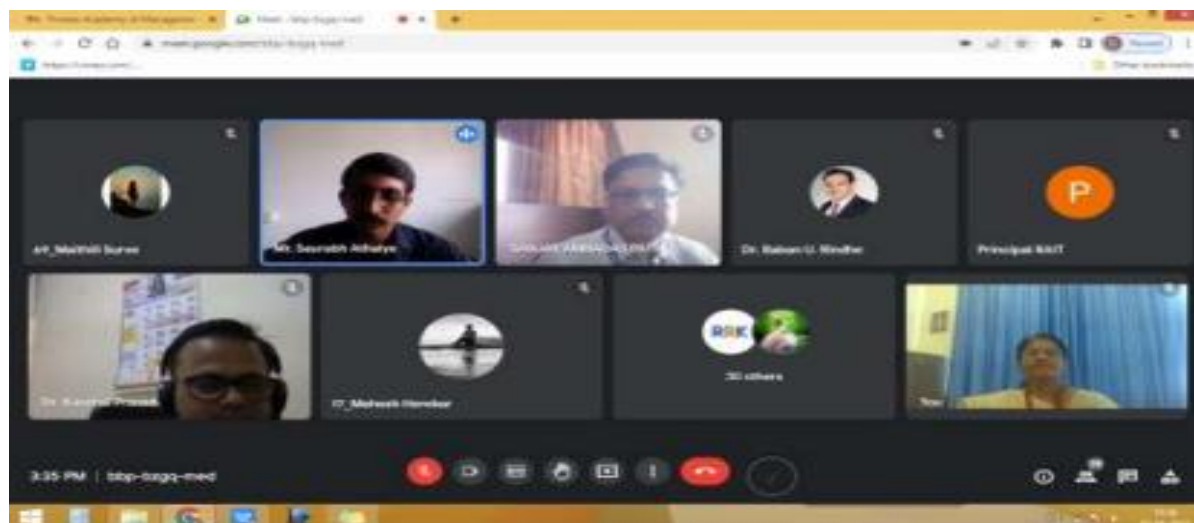
The guests, who are the active office bearers of IETE, explained the culture, protocols and activities of the student forum. Dr Kaushal Prasad congratulated the Student Forum team and wished them success. The crux of the guiding words of all the guests was as follows:

The Institution of Electronics and Telecommunication Engineers (IETE), founded in 1953, is one of the leading professional societies in India. With the great vision of the founder and subsequent heads and stalwarts, who were leading light of the Institution IETE, have been devoted and contributing to the advancement of Science and Technology in the fields of Electronics, Communication Engineering, Computer Science, Information Technology and other related subjects. The major focus of IETE is to provide engineering education i. e. Degree and Diploma level certifications to the younger generation at an affordable cost. IETE has got two streams of the student base. The first wing is the students of alma-mater, IETE, viz, the pass outs of DIPIETE, AMIETE and ALCCS students. An Alumni Association was formed in 2013 and the second one is the Engineering students studying in Engineering Colleges and Polytechnics across the country. This wing is the ISF (IETE Students Forum). More than 550 live ISFs are functioning in India today with a student membership of more than 60,000.

The function was ended with a vote of thanks proposed by the IETE-SF faculty coordinator, Mr Saurabh Athalye.



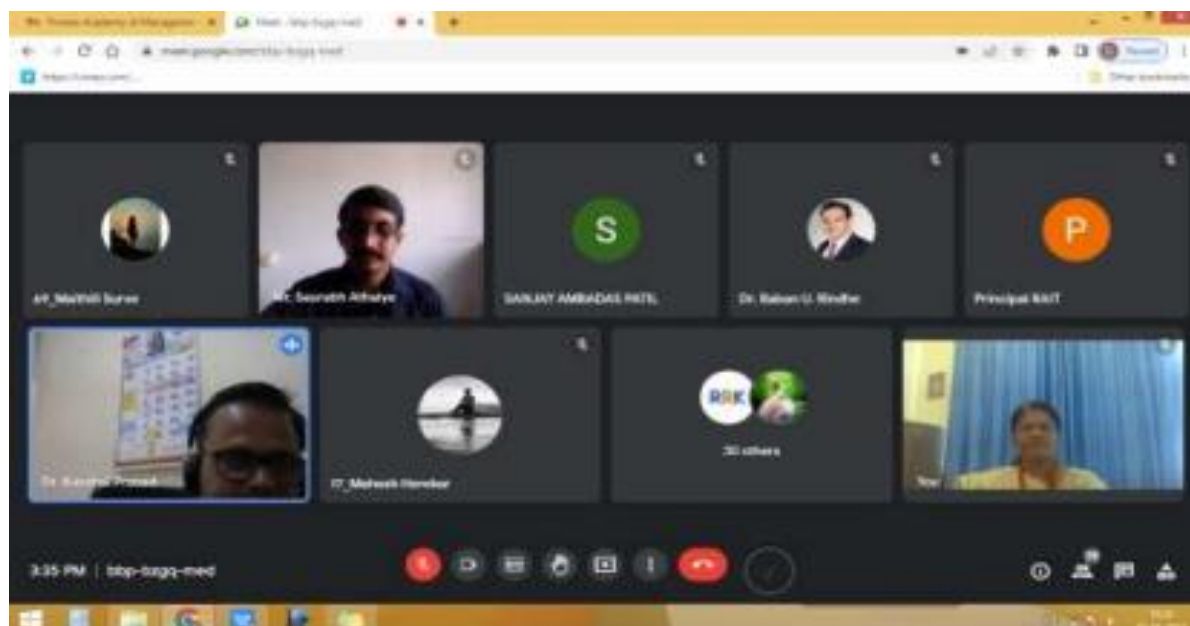
Snapshot captured during the welcome talk in the function



ISF-Faculty Co-ordinator introducing the guests



Guest of Honour Dr Baban Rindhe guiding the audience



FAMT Principal- Dr. Kaushal Prasad addressing the participants

Faculty Achievements

1. /Prof. Dr. Sharada V. Chougule approved as a ME / Mtech Guide for Mumbai University from March 2022.
2. /Prof. Dr. Sharada V. Chougule published a paper titled "Smart Crop Protection System From Animals" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
3. /Prof. Dr. Sharada V. Chougule published a paper titled "Employees Entry Monitoring System to avoid spread of Covid-19 " in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
4. /Prof. Dr. Sharada V. Chougule published a paper titled "Visual Assistant using TTS " in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
5. /Prof. Rashmi Kulkarni published a paper titled "IOT Based Home Automation using FPGA " in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
6. /Prof. Neha Sakhalkar published a paper titled "IoT Based Driver Doziness System" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
7. Prof. Suhasini S. Goilkar presented a paper titled “Restoration of Defocused X-ray Images with Blind and Nonblind deconvolution for the use in Bio-medical Application ” in International Conference (ICCCE- 2021) during 16th May, 2022.

Student's Achievements

1. Mr. Amey Sushil Chavekar won 1st prize Rs:10000 for Team-for project 'Robotics Shadow' in EW Project Challenge 2021 with MOUSER electronic in January 2022.
2. Mr. Amey Sushil Chavekar secured 2nd place in National Level online Project Competition "LOGICA" conducted on 26th March,2022.
3. Jayesh Redij, Shikhar Singh, Durvesh Zagade and Pranav Shitap presented paper on "Smart Crop Protection System From Animals" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
4. Jayesh Redij, Shikhar Singh, Durvesh Zagade and Pranav Shitap presented paper on "Smart Crop Protection System From Animals" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
5. Akshata Pednekar, Kranti Tendolkar, Amisha Patil and Bhagyashri Kambli presented paper on "Employees Entry Monitoring System to avoid spread of Covid-19" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
6. Harshal Shinde, Swastik Yadav, Nilesh Shivalkar and Rahul Dhumali presented paper on "IoT Based Driver Doziness System" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
7. Harshal Shinde, Swastik Yadav, Nilesh Shivalkar and Rahul Dhumali presented paper on "IoT Based Driver Doziness System" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
8. Shubham Jadhav, Prachi Bandekar, Radiya Budye, and Omkar Shirgaonkar presented paper on "Visual Assistant using TTS" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
9. Shubham Jadhav, Prachi Bandekar, Radiya Budye, and Omkar Shirgaonkar presented paper on "Visual Assistant using TTS" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
10. Sehreen Kazi, Burhanali Mastan, Muskan Gavandi and Salina Budye presented paper on "A Comparative Study On Visual Aid For Blind" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.
11. Noaf Makhjankar, Manthan Khashalkar, Saloni Sawant,Amey Rambade presented paper on "Medical Assistance Robot Against COVID-19" in International Journal of Creative Research Thoughts(IJCRT), held at FAMT on 8th and 9th April 2022.

Placements of the department

Sr.No	Name of the Student	Company
1	Salina Budy	Infocenter
2	Preeti Rajendra Jawalkar	QSpider
3	Manthan Narsinha Kashalikar	QSpider
4	Viraj Jathar	QSpider
5	Akanksha Sandip Vadake	QSpider
6	Akshata Pednekar	NeoSoft
7	Akshata Ashish Pednekar	Hexaware
8	Shubham Sanjay Modak	Hexaware
9	Vedika Shetkar	Hexaware
10	Noaf Makhjankar	Infocenter
11	Soham Deolekar	Ugam Solution
12	Kazi Sehreen	IBM
13	Suyog Vasage	Wipro
14	Soham Deolekar	Wipro
15	Muskan Gavandi	Wipro
16	Sehreen kazi	Wipro
17	Saloni Sawant	TCS
18	Jayesh Redij	TCS
19	Samarth Balugari	TCS
20	Pranav Shitap	TCS
21	Amey Chavekar	capegemini

22	Burhanali Mastan	Capgemini
23	Noaf Makhjankar	Capgemini

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