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 5, ISSUE 1, (1 JANUARY 2021 -30 JUNE 2021)

Contents

List of Faculty/Staff Members in the Department

Faculty Members

1. Prof. (Dr.) Sharada V. Chougule (Associate Professor)
2. Prof. Giri S. Kulkarni (Associate Professor)
3. Prof. Mansi S. Kolwankar (Assistant Professor)
4. Prof. Sujay D. Mainkar (Assistant Professor)
5. Prof. Suhasini S. Goilkar (Assistant Professor)
6. Prof. Rashmi R. Kulkarni (Assistant Professor)
7. Prof. Neha S. Sakhalkar (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 Specific Outcomes (PSOs)

- 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.
- Gain awareness regarding design skills, software packages and telecom standards.

Highlights of the Department

- Intake of 60 students
- Well qualified Teaching faculty and experienced La 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 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. Parichay 2K21

Department of Electronics & Telecommunication Engineering under the Association for Students of Electronics and Telecommunication (ASENT) organized 'Parichay-2K21 on 06th March 2021 through an online platform.

 'Parichay-2K21' is celebrated to welcome Second Year students in the department. Dr S V Chougule, HOD EXTC, Ms A. A. Chavan, ASENT Faculty In-charge, Faculty members of EXTC department. Were present for the event. The program started with Sarswativandana. The students welcomed faculty members to show respect and gratitude towards the teachers. The E&Tc students were present for the event.

Dr S.V. Chougule welcomed all for the event and introduced the students to the EXTC branch. She gave detailed information about the department and different events which are organized in the department. Dr S V Chougule, HOD EXTC, addressed the students and motivated them to participate in co-curricular and extra-curricular activities for balanced academics. 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 will boost their confidence, leadership, team skills. She motivated students to use their technical knowledge for the betterment of society.

BE students shared their journey in the department and guided students regarding placements through their experiences. SE students also shared their views related to the department and thanked BE students for sharing 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 2K21 Event Banner

2. Talk on Women's Health: Challenges in the 21st Century

Department of Electronics & Telecommunication Engineering and Association for Students of Electronics and Telecommunication (ASENT) organized a talk on 'Women's Health: Challenges in the 21st Century on 08th March 2021 on the occasion of 'Women's Day Celebration' through an online platform.

Dr S V Chougule, HOD EXTC, Prof. R R Kulkarni, Prof. A. A. Chavan, and other lady faculty members of the EXTC Department. And girl students from EXTC dept. were present for the event. The program started by welcoming Chief guest Dr Pallavi A Kadam. Dr S V Chougule welcomed chief guest Dr Pallavi A Kadam. Prof. R R Kulkarni introduced the chief guest.
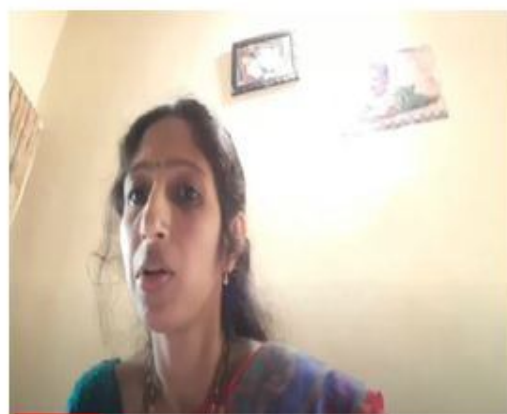
Dr Pallavi A Kadam gave information about Women's Health: Challenges in the 21st century. She explained common women's health problem such as heart diseases, depression etc. She specifically directed the attention towards a healthy diet, nutrition for a healthy life. She also explained the advantages of Yoga for mental and physical fitness. The session was very informative. The program ended with a vote of thanks by Prof. A A Chavan.

This program served the following objectives:

1. To explore the importance of Women's Day

2. To create awareness about "Women's Health: Challenges in 21st Century"

   3. One of the presentation slide captured during the session of the workshop

Prof. R.R.Kulkarni introducing chief guest

Chief guest Dr. Pallavi Kadam

Chief Guest's presentation during the session

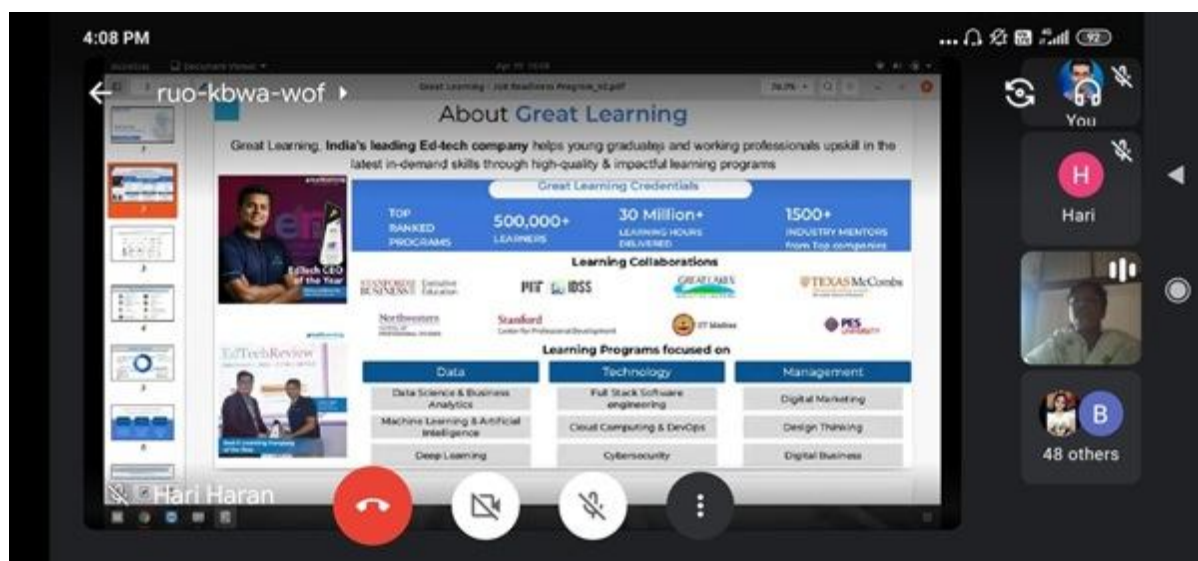## 3. Webinar on Career Opportunities in AI, ML and Data Analytics

The Webinar on 'Career Opportunities in AI, ML and Data Analytics' was organized by the Electronics and Telecommunication Engineering department on 19 April, 2021. Mr. Hari Haran from Great Learning (India's leading Ed-tech company having collaborations with various renowned institutes, universities and companies at national and international level), delivered a session for S.E., T.E. and B.E EXTC students through Google Meet. The main

objective behind organizing this webinar was to provide students an insight regarding career prospects in the domain of AI, ML and Data Analytics along with essential skill building.

This session was attended by 52 EXTC students. The session helped students to know about what AI/ML and Data Analytics is all about and after gaining the knowledge of this domain what opportunities are there in the industry. Resource person explained the roles and responsibilities associated with various job positions available such as machine learning engineer, data analyst, data scientist, etc., what skillsets are required for that, what are the ways to build these skillsets, which are different recruiting companies with emphasis on three premium courses offered by Great Learning namely – Machine Learning using Python, Artificial Intelligence Foundations and Business Analytics with SQL & Excel. Apart from this, students were also made aware about different free courses offered by Great Learning to build required skillsets for AI/ML and Data Analytics.

The session was superintended by the Head of Electronics and Telecommunication Engineering Department, /Dr. S. V. Chougule along with Prof. Sujay Mainkar as the Webinar coordinator.

Resource person Mr. Hari presenting during the webinar

4. TECHSPRING-2K21

The Association for Students of Electronics and Telecommunication (ASENT) organized technical fest Techspring- 2K21 with a motto of 'Accelerate your skills, show your best' from 23 April 2021 to 24 April 2021through online mode.

Event was organized to provide platform and encourage students to showcase their innovative ideas and technical excellence. Though the event was conducted online, many students from various institutes participated with great enthusiasm. Events such as Innovative Project Idea Competition, Circuit Simulation, Group Discussion, Test Your Knowledge and Talent Hunt which includes Singing, Poem Writing and Sketching were organized as a part of this event.

The function was inaugurated by Principal Dr. Kaushal Prasad in the presence of Dr. S. V. Chougule (HOD-EXTC department), Prof. A. A. Chavan(Faculty Incharge, ASENT) and Ms.AadityaaVaradkar(Student Chief Co-ordinator, ASENT) along with department faculty members, staff and students.

Dr. S. V. Chougule, HOD EXTC, emphasized the importance of organizing such events in student's life. It helps in grooming overall personality of students in terms of leadership, managing skills and team work.

Dr. Kaushal Prasad, Principal, apprisiated student's efforts for organizing this event online and guided students. Prof. A. A. Chavan, Faculty Incharge, ASENT appreciated and motivated students for systematic organization of the event. Ms.AadityaaVaradkar (Student Chief Co-ordinator, ASENT) gave information about the online event planned. Ms. Sakhi Palkar BE EXTC hosted the inaugural function.

The event was successfully concluded on 24th April 2021 with the announcement of winners followed by the vote of thanks from Ms.AadityaaVaradkar.

This program served following objectives:

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

/Dr. Sharada V. Chougule, HOD-EXTC addressing the audience during inauguration session.

5. Hands-on Training in Data Science using Python

The '**Hands-on Training in Data Science using Python'** was organized by the Electronics and Telecommunication Engineering department on 30 April, 2021 and 01 May, 2021. **Mr. Venugopal Adep (Technical Delivery Manager)** from **Teachers Insurance & Annuity Association of America (TIAA)** conducted these hands-on training sessions. 163 FAMT students of all branches have taken the advantage of these online hands-on training through Google Meet and Youtube Live from 09.00 a.m. to 01.00 p.m. on both the days. The main objective behind organizing this training was to provide career guidance for students so as to become job-ready along with development of essential skillset.
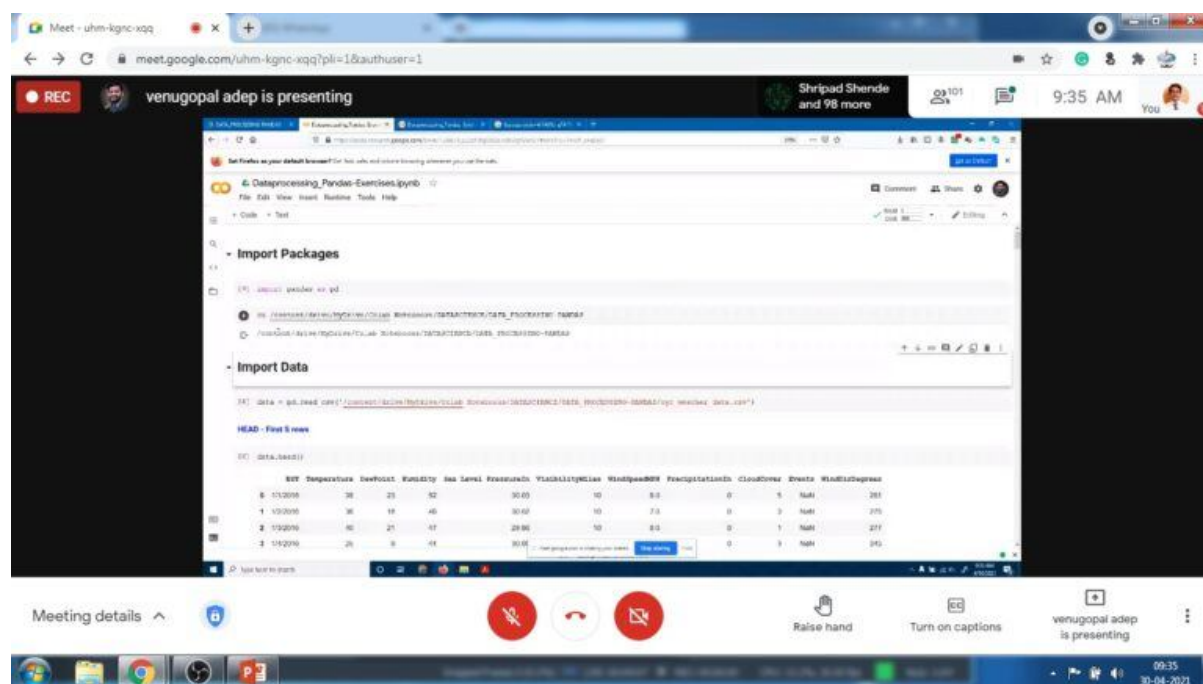
The session helped students to know regarding what Data Science is all about and after gaining the knowledge of this domain what opportunities are there in the industry. Resource person explained the roles and responsibilities associated with various job positions available such as data analyst, data scientist, etc.; what skillsets are required for that and what are the ways to build these skillsets.

Day-1 of training was focused upon hands-on sessions related to data processing and data visualization using different Python packages. Day-2 was entirely devoted for detailed discussion of 10+ real-world case studies of Data Science encompassing various sectors like education, business, marketing, telecom, medical, banking and finance, etc. along with hands-
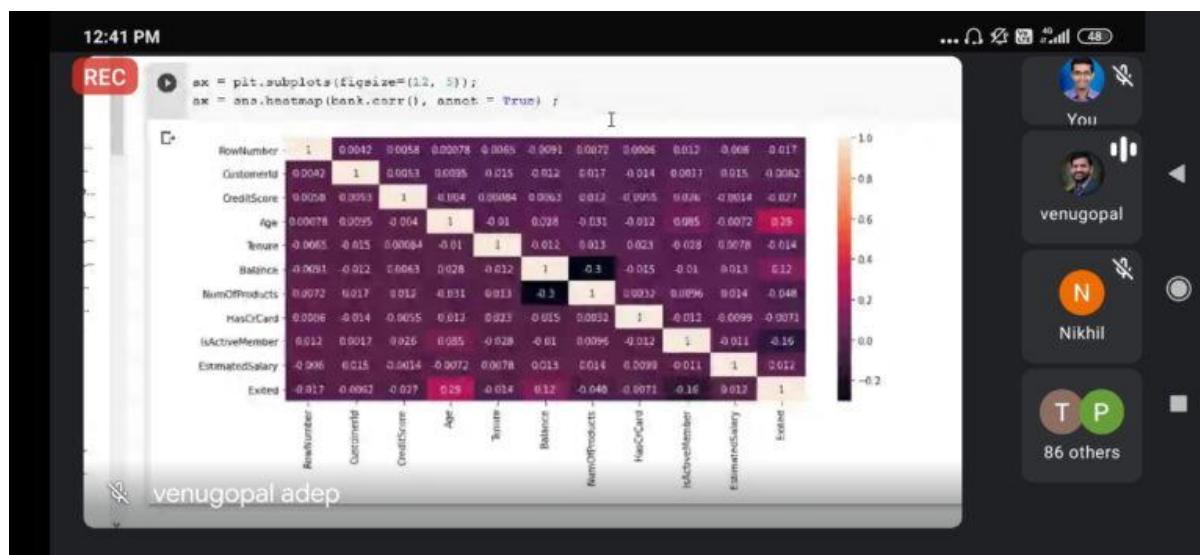
on supported by insights from the data visualization obtained through different types of plots/charts.

Apart from this, students were also made aware about the systematic career path development from Data Science to Deep Learning via Machine Learning. At the end, the multiple choice questions(MCQ) based test was conducted so as to test the knowledge gained by the participants. Based on qualifying score in test, E-certificates were issued to all the successful candidates. All the students expressed a vivid interest in attending and benefiting from more such sessions in future.

The training was superintended by /Dr. S. V. Chougule (HOD, EXTC department) along with Prof. Sujay Mainkar and Prof. Saurabh Athalye as coordinators.

Mr. Venugopal Adep explaining the data processing using Pandas during Hands-on session

Resource person explaining insights of data with the help of real-world practical case studies

6. FAREWELL-2K21 by ASENT

The Association for Students of Electronics and Telecommunication (ASENT) organized FAREWELL- 2K21,on 12 June 2021 for final year students, through online mode. The event was arranged by students of TE EXTC to give best wishes to outgoing students of BE EXTC.

The function was attended by Principal Dr. Kaushal Prasad, Dr. S. V. Chougule (HOD-EXTC department), Prof. A. A. Chavan(Faculty Incharge, ASENT) along with department faculty members, staff and students of EXTC department.
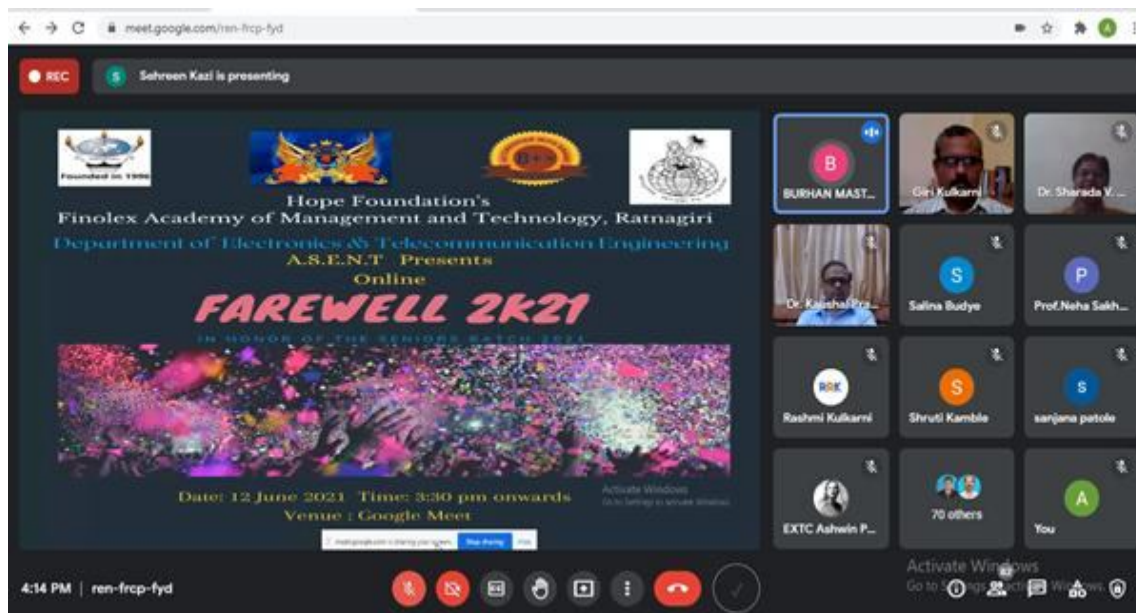
Dr. S. V. Chougule, HOD EXTC, emphasized the importance of technical education and self learning aspects in student as well as professional life. She expressed her best wishes for them.Dr. Kaushal Prasad, Principal, stated importance of all-round development in student's college life and and gave best wishes to students.

Prof. A. A. Chavan, Faculty Incharge, ASENT and other faculty members of department also gave their best wishes for their bright future. Mr. Burhan Mastan, student of TE EXTC, has dedicated a poem to BE students. TE students have also dedicated a memory video to BE students. The program was ended with vote of thanks.

This program served following objectives:

- To give best wishes to all BE students for their bright future

- To motivate students of SE and TE students through experiences shared by BE students.

Dr. Kaushal Prasad, Principal, Dr. S. V. Chougule, HOD EXTC, Faculty members of EXTC department. And students of EXTC department in Farewell 2K21

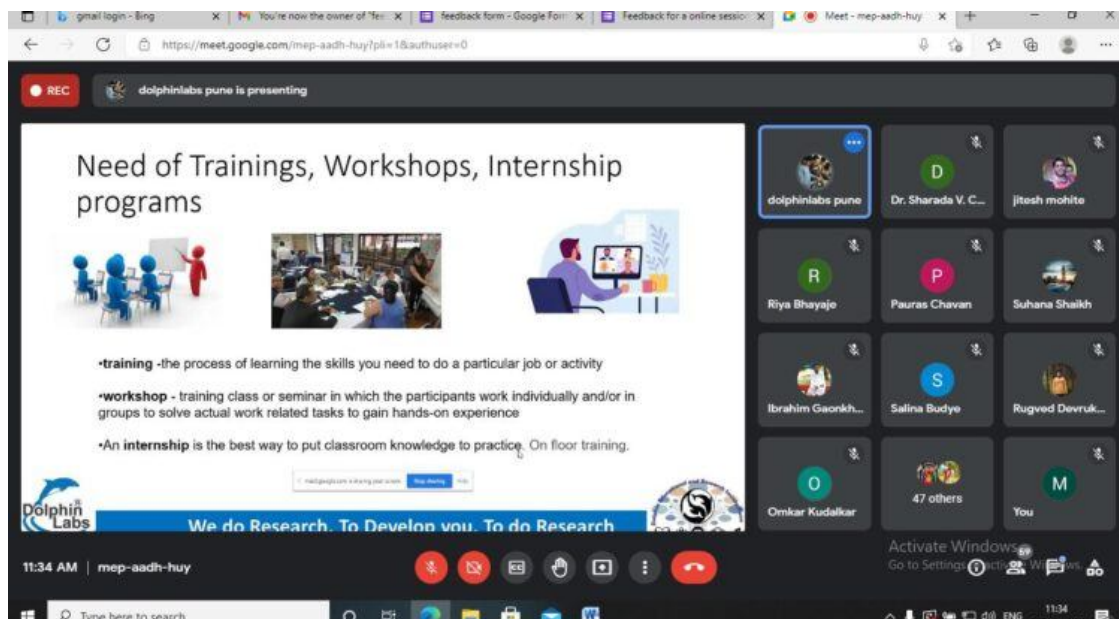## 7. An Online session on 'Internship Opportunities in Embedded Systems and IOT'

An Online session on 'Internship Opportunities in Embedded Systems and IOT'was organized by the Electronics and Telecommunication Engineering department on 17 June, 2021. **Mr.Chittaranjan P Mahajan,**Founder President of Dolphin Educational and Research Society(DEARS,Pune)delivered a session for S.E. and T.E EXTC students through Google Meet.

This session was attended by 50+students of S.E. and T.E. EXTC classes. The session helped students to know about what are different opportunities in electronics field, how is hardware important, what are internship opportunities in field of embedded, IOT,etc.

Mr.Chittaranjan P Mahajan explained that bridging the gap between academic curriculum and industry requirements is need of the day and internship is the best solution for this. There are different types of internship provided by dolphin labs which were also explained by the resource person. Resource person shared the project ideas which can be done , using IoT and Embedded Systems.

The session was superintended by the Head of Electronics and Telecommunication Engineering Department, /Dr. S. V. Chougule along with Prof. Mansi Kolwankar as the

Departmental coordinators. The participants shown the interest in attending online internship program at Dolphin Labs, Pune.

Mr. Chittaranjan P Mahajan, Resource person interacting with participants in the session

8. Alumni Interaction session on Preparing for Higher Education Abroad

An Alumni Interaction session on 'Preparing for Higher Education Abroad'was organized by the Electronics and Telecommunication Engineering department on 19 June, 2021. Ms. Pallavi Salvi (FAMT, EXTC alumni) delivered a session for EXTC students through Google Meet. She was placed in Vodafone through campus drive by FAMT. She has 5 years of working experience in Telecommunication Field.

This session was attended by 40+students of EXTC classes. The session helped students to know about how to plan for higher education abraod. Ms Pallavi Salvi explained the complete step-by-step plan for preparation of higher studies abroad.

It includes the points such as:

- How to make your LOR/SOP strong
- Preparation of GRE/TOFEL
- Selection on Universities
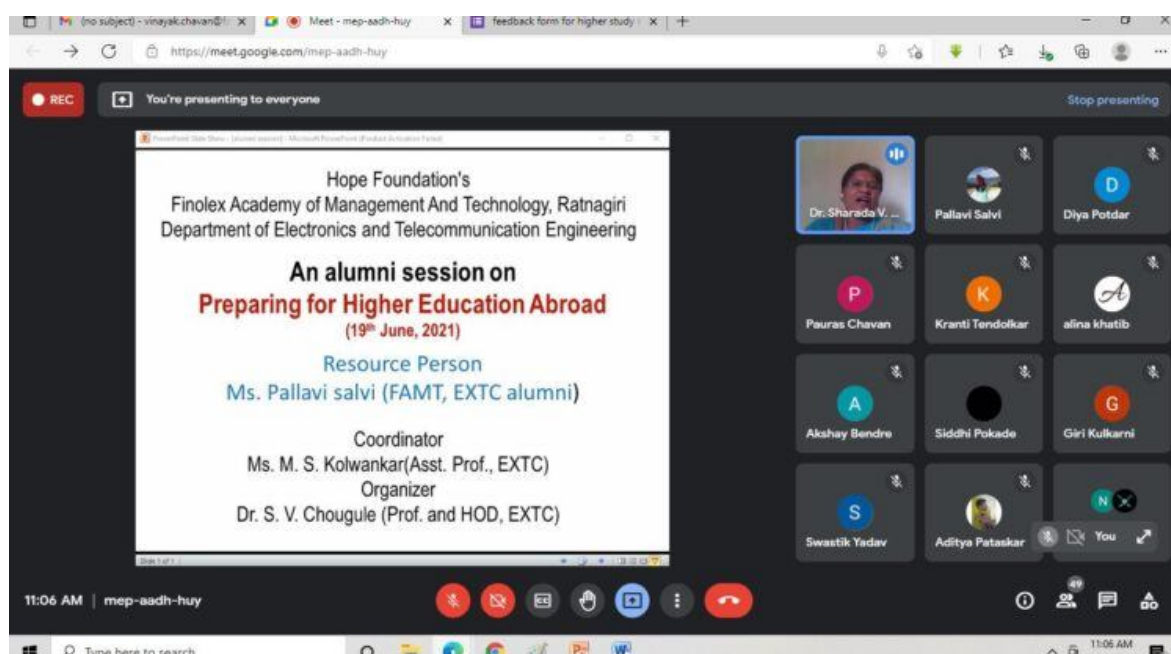- Financial planning
- Applying for visa

- Useful links for guidance

The session gave a guidelines for students, preparing for higher studies aboard.

Principal Dr. Kaushal Prasad shared his views regarding the alumni interaction and importance of participation curricular and extra-curricular activities, projects, and research papers etc. alongwith academics in student phase of graduation.

The session was superintended by the Head of Electronics and Telecommunication Engineering Department, /Dr. S. V. Chougule along with Prof. Mansi Kolwankar as the Departmental coordinator. The session was hosted by Prof. Vinayak D Chavan. The participants shown intense interest in attending such sessions in future also.

/Prof. Dr. S.V.Chougule, HOD EXTC explaining objectives of Alumni interaction at the beginning of the session

9. An Expert Talk on 'Recent Advances in Telecom Sector'

An Expert Talk on 'Recent Advances in Telecom Sector' was organized by the Electronics and Telecommunication Engineering department on 22 June, 2021. Mr. K K Yadav,Mr. Neeraj Gupta,Mr.Abhishek Gupta,under supervision of Mr.A K Jha, DGM(EB) where the resource persons from BSNL, ALTTC Ghaziabad

Advanced Level Telecom Training Centre (ALTTC),Ghaziabad is an apex level telecom training centre of BSNL.This session was attended by 30+students of S.E. and T.E. EXTC classes. The session helped students to know 5G technology.

Resource persons explained in brief about Mobile technologies like GSM, CDMA,3G,4G LTE and LTE Advanced and Wi-Max.They also gave a glance on Modern Transmission Technologies like OFC, SDH, NG SDH and DWDM.ALTTC also provide internship on various topics.

The session was superintended by the Head of Electronics and Telecommunication Engineering Department, /Dr. S. V. Chougule along with Prof. Mansi Kolwankar as the Departmental coordinators. The participants shown the interest in attending online internship program at BSNL,ALTTC, Ghaziabad.

Glimpse of presentation by ALTTC, Ghaziabad

10. Three Days Online Faculty Training Program on 'Artificial Intelligence in Telecommunication'

A Three Days Online Faculty Training Program on "Artificial Intelligence in Telecommunication" was organized by the Electronics and Telecommunication Engineering Department during 28th June to 30th June, 2021. Mr. Venugopal Adep (Technical Delivery Manager) from Teachers Insurance & Annuity Association of America (TIAA) conducted the training sessions.
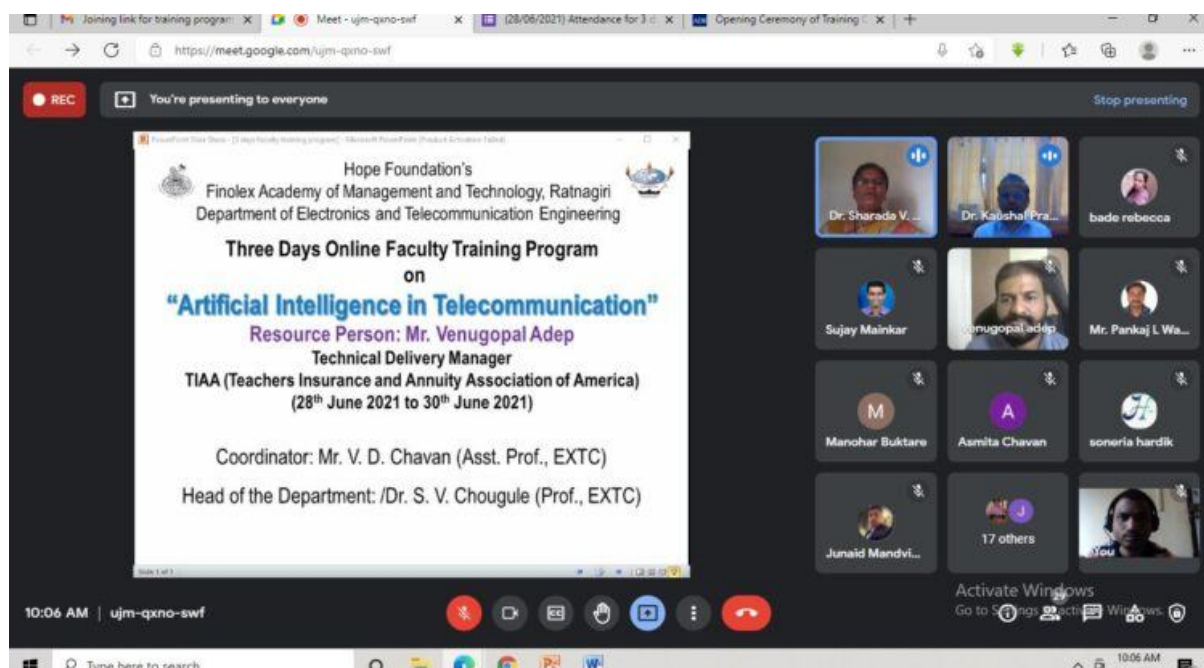
58 faculty members from various colleges have taken the advantage of this online training through Google Meet. The main objective behind organizing this training was to provide insights of AI in telecommunication. These sessions included theoretical concepts along with live demos.

The program started with welcome and introduction of resource person by Mr. Vinayak D Chavan. HOD EXTC Dr. Sharada V Chougule explained in brief the objectives of organizing this training program. Principal Dr. Kaushal Prasad shared the importance of faculty training programs for updating knowledge of rapidly changing technology.

Following are the major topics covered in the training program:

- How AI enables the switch to 5G?
- Artificial Intelligence and Machine Learning for the Fundaments of 5G Network Monitoring
- 5G-AI in Education
- AI and 5G mobile technology
- No-Code Machine Learning: BigML and Data Robot with live demo
- No-Code Deep Learning: Teachable Machine (Case Studies) with live demo
- Self-Driving car with demo
- Google Trends using Python
- IoT Deep Learning Demo
- AI Applications Demo: Poem Generator, Face Generator, Image and Video Morphology through AI and many more.

The training was superintended by /Dr. S. V. Chougule (HOD, EXTC department) along with Mr. Vinayak Chavan(Asst. Prof., EXTC department) as a coordinator.

Inauguration of the training program

Faculty Achievements

1. Dr. Sharada V. Chougule has attended AICTE sponsored one week online Short Term Training Program on "Natural Language Processing with Google AI and Dialog flow and its applications" conducted from 21st to 26th June, 2021.

2. Dr. Sharada V. Chougule has attended Online FDP on "Research Funding Projects and IPR", organized by KCCOE, Thane, from 07 June to 09 June 2021.

3. Dr. Sharada V. Chougule has attended AICTE Approved one week STTP on "Data Analytics using Python" organized by Sandip Institute of Eginnering and Management, Nasik from 24 May to 28 May 2021.

4. Dr. Sharada V. Chougule has successfully completed One week AICTE Training and Learning (ATAL) Academy online FDP on "Artificial Intelligence" from 27 January 2021 to 31 January 2021 at Shri Jayachamreajendra College of Engineering.

5. Prof. Suhasini Shashikant Goilkar presented a paper entitled 'Orthopantomographic X ray defocused image restoration with blind and nonblind deconvolution for diagnostic use in dental application' in the international conference on Communication, Information and Computing Technology (ICCICT-2021) during 25th to 27th June 2021.

6. Prof. Suhasini Shashikant Goilkar presented a paper entitled 'Restoration of defocused Xray images with blind and nonblind deconvolution for the use in Biomedical application' in the international conference on Communication and Cyber-physical Engineering during 9th to 10th April 2021.

7. Prof. Suhasini Shashikant Goilkar presented a paper entitled 'Implementation of blind and non-blind Deconvolution for Restoration of Defocused Image' in the third international IEEE conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2021) during 5th to 7th March 2021.

8. Prof. S.D.Mainkar has attended AICTE Training And Learning (ATAL) Academy online FDP on Artificial Intelligence from 4th to 8th January 2021 at GSSS Institute of Engineering & Technology for Women.

9. Prof. S. D. Mainkar has successfuly completed One Week Online Faculty Development Program on Emerging Trends in Machine Learning & Signal Processing Organized by KIIT Deemed to be University, Bhubaneswar, Odisha form 20th to 26th June, 2021.

10. Prof. S.D.Mainkar has attended Three Days National Level Online Conclave on "How to Sharpen Career Path by Skills Enhancement and better Opportunities" organized by SIRTE, Bhopal from 17th to 19th June 2021.

11. Prof. Rashmi Rahul Kulkarni has successfully completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Formal Verification of Digital Designs" from 2021-06-07 to 2021-06-11 at PES UNIVERSITY.

12. Prof. Rashmi Rahul Kulkarni has successfully completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Quantum Computing" from 2021-1-4 to 2021-1-8 at GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT GITAM BENGALURU.

13. Prof. Vinayak Chavan has attended online faculty orientation program for the course of "Mini Project 1 B (ECM401)" of second year, Sem-IV, Department of Electronics and Telecommunication Engineering, organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai on behalf of University of Mumbai on 18th February, 2021.

14. Prof. Vinayak Chavan has attended FDP on advancements in IOT, cyber security and drone technology from 7th to 12th June 2021 organized by Lokmanya Tilak College of Engineering, Navi Mumbai.

15. Prof. Vinayak Chavan has attended AICTE Training And Learning (ATAL) Academy online elementary FDP on information and cyber security from 14th 18th June 2021 at IIIT Vadodara.

Student's Achievements

1. Mr. Vasage Suyog Navnath (TE EXTC) won 1st prize in Tech Quiz at Exllentia 2k21 organized by MCA Department, FAMT on 24th April 2021.

2. Ms. Vadake Akanksha Sandip (TE EXTC) secured 3rd Rank in Covid 19 Vaccine awareness program (online competetion)-Poster making organized by VPM'S Maharshi Parshuram College of Engineering, Veleneshwar collabration with Primary health centre Hedvi,Guhaghar in duration 17th -24th April 2021.

Placements of the department

Sr.No	Name of the Student	Company
1	Harshada Ramchandra Yedve	Dhoot Transmission
2	Sakshi Satyavan Khule	Dhoot Transmission
3	Apurva Manohar Pawaskar	Dhoot Transmission
4	Gauri Manish Kuwalekar	Dhoot Transmission
5	Gavas Sneha Sudhir	Dhoot Transmission
6	Komal Sawant	Dhoot Transmission
7	Komal Surendra Mahindre	Dhoot Transmission
8	Mhaskar Uzma Altaf	Dhoot Transmission
9	Nagina A.wahab hajwani	Dhoot Transmission
10	Payal suresh masaye	Dhoot Transmission
11	Pragati Suresh Pawaskar	Dhoot Transmission
12	Sarafdar Yogita Anand	Dhoot Transmission
13	Sayali Ashok Warang	Dhoot Transmission
14	Sneha Santosh Mestry	Dhoot Transmission
15	Solkar Deena Muzammil	Dhoot Transmission
16	Ainarkar Anil Ankush	Dhoot Transmission
17	Ashutosh Mangesh Nimkar	Dhoot Transmission
18	Tendulkar Saurabh Niranjan	Dhoot Transmission
19	Nikita Raju chavan	Danano Photonics
20	Priyanka ganpati kokaje	Danano Photonics
21	Rukhsar Riyaj jamadar	Danano Photonics

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

22	Shreyashi Ramteke	Accenture
23	Shreyashi Ramteke	Capgimini
24	Urvi Joshi	Capgimini
25	Sneha Mestry	Capgimini
26	Karishma Sawant	Flex Ltd
27	Pooja Patekar	Flex Ltd
28	Chetana Agre	Flex Ltd
29	Rachana Parhate	Flex Ltd
30	Siddhi Desai	Infosys
31	Saurabh Tendulkar	Qspider
32	Manasi Sunil Khadpe	Qspider
33	Rutuja Naresh Jabare	Qspider
34	Sachin Venkatesh Prabhu	Qspider
35	Samruddhi Rumade	Qspider
36	Mauri Jadhav	Ronch Polymer
37	Uzmazahir Solkar	Ronch Polymer
38	Piyush Kulkarni	Ronch Polymer
39	Poonam Mahandule	Ronch Polymer
40	Aishwarya Narvekar	Ronch Polymer
41	Komal Mahindre	Ronch Polymer
42	Rutuja Jabare	Ronch Polymer
43	Pravin Gurav	Ronch Polymer
44	Supriya Naik	TCS
45	Tejas Sarportdar	TCS

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

46	Harish Gurav	TCS
47	Adittya Varadkar	TCS
48	Rutvik Khandekar	TCS
49	Akshay Adivarekar	TCS
50	Jagruti Rane	TCS
51	Sayali Gurav	TCS
52	Adityaa Varadkar	Vadini Infocenter
53	Rutvik Kahndekar	Vadini Infocenter

PUBLISHER

Dr. Mrs. Sharada V. Chougule (HOD)
Email – hodextc@famt.ac.in

Editor

Mr. Saurabh S. Athalye
Assistant Professor (EXTC)