

**FINDLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI**

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



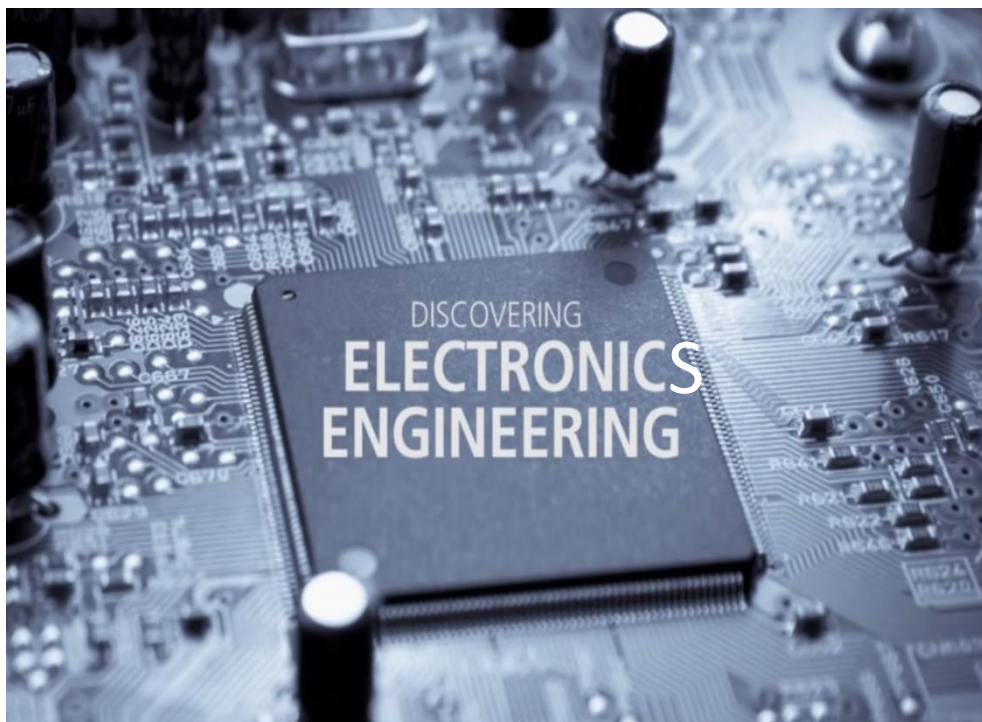
# ***ELECTRONICA***

**NEWS-LETTER**

**OF**

**ELECTRONICS ENGINEERING DEPARTMENT**

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**Prof. Girish G.Bhide (HOD)**

**Prof. Vrishali V. Nimbalkar**

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## List of Faculty/Staff Members in the Department

### Faculty Members

1. Prof. Girish G. Bhide (Associate Professor)
2. Prof. Vrishali V. Nimbalkar (Assistant Professor)
3. Prof. Amol R. Sutar (Assistant Professor)
4. Prof. Sandeep R. Nalage (Assistant Professor)
5. Prof. Mahesh A. Jadhav (Assistant Professor)
6. Prof. Rahulkumar P. Tivarekar (Assistant Professor)
7. Prof. Ashish B. Vartak (Assistant Professor)
8. Prof. Rupesh B. Ingle (Assistant Professor)

### Staff Member

Mr. Bharat M. Biradar

## Vision

- ✚ To become a leading center of knowledge and produce graduates who can adapt to ever growing field of electronics and integrated technology.

## Mission

- ✚ M1: To strengthen teaching-learning process and provide state of the art resources to help the students acquire global competency.
- ✚ M2: To offer technical skills, creativity, and integration to help the students to solve real life problems.
- ✚ M3: To provide value addition training programs such as soft skills, social and ethical values for all around development of the students to become successful in competitive career.

## Program Specific Outcomes (PSOs)

- ✚ Students shall acquire knowledge in analog circuit design, digital system design, microcontroller programming, instrumentation, and VLSI chip design.
- ✚ Students shall utilize Electronics Engineering knowledge to create and design innovative products and solutions for real life problems.

## About The Department

Department of Electronics Engineering was established as the first Engineering department of FAMT in 1996. Department has 08 faculty members experienced and post graduates from renowned institutes like IISc, COEP, VJTI, etc. Faculty has several publications, books and industry projects to their credit. Department encourages faculty to attend conferences, seminars and workshops so that they can enhance their knowledge and remain updated with the current changes in engineering field, which will help them to carry out their research and development activity and also impart quality education to

students. Also all of the faculties undertake NPTEL on-line courses which are conducted by IIT's and IISc and have secured top 1%, top 5% ranking score and Elite scores for the courses undertaken by them. Department has a separate Departmental library, well-equipped 8 laboratories, wi-fi facility, ICT enabled class-room and a study friendly environment. Along with regular curricular teaching, department organizes workshops, course-enrichments, seminars and add-on courses on regular basis to impart additional knowledge to students, enhance their technical skills so that they can adapt to current industry requirement. Industrial training and Industrial visits are highly encouraged by the Department. A technical event named "Electrofocus" is organized by department students committee (Electronics Student Technical Association-ESTA) every year so that along with technical skill development they learn management skills and also learn to be a responsible person.

Being the first department established in Finolex Academy in the year 1996, it has produce large number of highly accomplished and notable Alumni who are spread across the globe working as professionals in national and multinational companies, some into research and development, some into academics and some as entrepreneurs.

### **Scope and Opportunities in Electronics Engineering**

Electronics Engineering has a major role to play in virtually every industry. Electronics Engineers are involved in designing, creating, developing, fabricating, testing and supervising an extensive variety of technologies required for computers, mobile phones, robotics, automated systems, integrated circuits (IC's), television, radio, as well as various other electronic gadgets and appliances, tracking devices, electric motors and power generators. The field of electronics covers a wide range of applications and devices which make our life easier and enjoyable by helping to collect, distribute, control & transmit information. Electronics Engineering is crucial in increasing productivity in the industrial sectors like oil, energy, agriculture, steel, petroleum, and chemical. These industries depend on electronic systems for daily processes and functions. The health-care sector relies heavily on Electronics Engineering. It also has major contribution in ensuring safety in transportation, industries and houses. Job opportunities for Electronics Engineers in government and public sector are listed as follows DRDO, HAL, ISRO, BEL, IOC,

ONGC, BSNL, MTNL, Indian Railways, All India Radio and in all those sectors where there is automation.

### Highlights of the Department

- ✚ Workshops, course enrichment, add-on courses and project based learning is conducted on regular basis to enhance employability of student.
- ✚ Emphasis on Industrial training and industry visits for industry-institute interaction.
- ✚ Motivation for industry based (sponsored) projects.
- ✚ Outreach & extension activities for all round personality development of students.
- ✚ Spacious 08 laboratories with ample equipment, instruments, components & consumables.
- ✚ Well qualified Teaching faculty (08) and experienced Lab Assistant with a good retentation ratio.
- ✚ 52 PC's with good configuration
- ✚ ICT enabled Classrooms
- ✚ Departmental Library with approximately 317 titles
- ✚ Alumni placed worldwide in renowned companies like Microsoft, INTEL, IBM, Nvidia, Siemens, Analog Devices India, TCS, Cognizant, Accenture, Capgemini, Vodafone, Finolex Cabel Goa, Qspiders, Yashsawi Group Pune, SEED Infotech, CEM Electromech, Infotech, Flex, BYJU's, etc.,

## **Programs organized by the Department**

### **1] Alumni Talk on Career Path and Current Technologies**

Department of Electronics Engineering had organized an Alumni talks, as a part of Silver Jubilee celebrations of our FAMT College.

Our 2002 batch passed out alumni Dr. Amol Ambardekar gave a talk on "Career Path and Current Technologies". The talk was organized on 23rd Feb 2021, at 11.30 am, for the students of Electronics Engineering by the department. The objective of the Alumni Talk was that, students can get to hear Amol's experience of making his career, students get to interact with the Alumni, get to know what industry expects from a fresh graduate, what kind of research is going on in topnotch industries and take his guidance in structuring their own career.

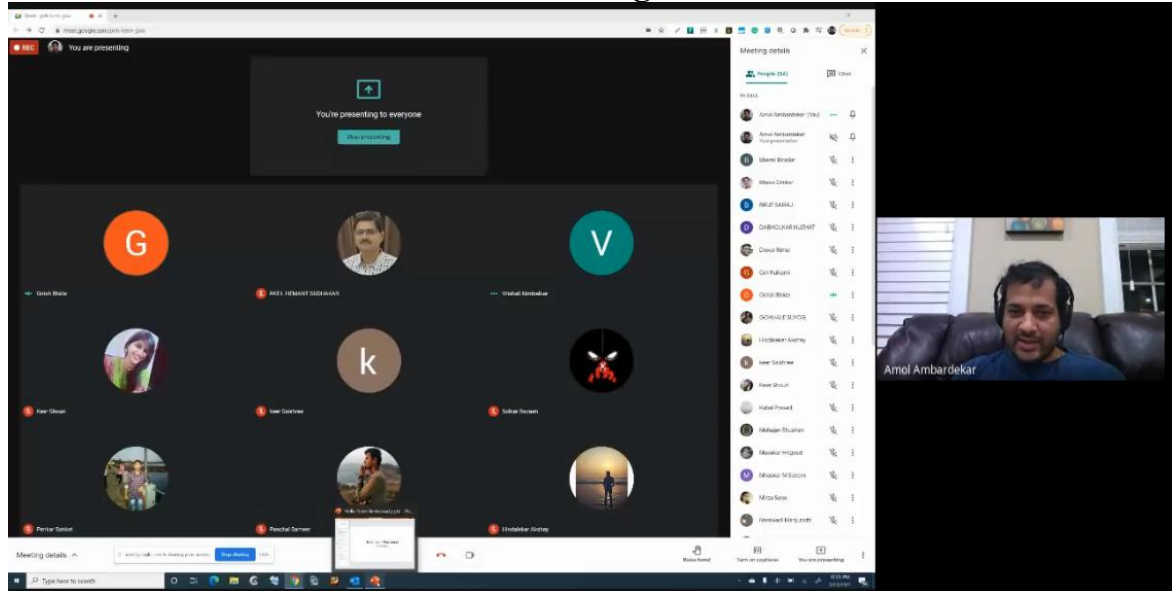
For past four years till date, Dr. Amol is working as a Senior Scientist at Microsoft, Redmond, Washington, US. This is indeed a remarkable achievement. He has done MS in Physics, MS in Computer Science and PhD in Computer Science and Engineering from University of Nevada, Reno. He owns 20 patents and has good number of publications in International Conferences and Journals.

Amol began his talk by giving an overview of his academics and mentioned that he was very determined and focused of doing his MS while he was in FAMT itself during his third year of engineering. He prepared for his GRE, TOFEL right when he was in his final year. Now he is into Computer Science domain and is working in Computer Vision field. Amol gave an overview of his few of the projects that he has done, like Bing vision(Object recognition, QRcode/Barcode tracking), Face recognition, Hololense, his involment in building the first mobile DNN chip for Hololense which did semantic labeling and Hand Tracking, Azure Object Anchors, etc,. He also talked about Hologram, Augmented Reality and Virtual Reality and what is Google, Microsoft and Apple companies focusing on currently.

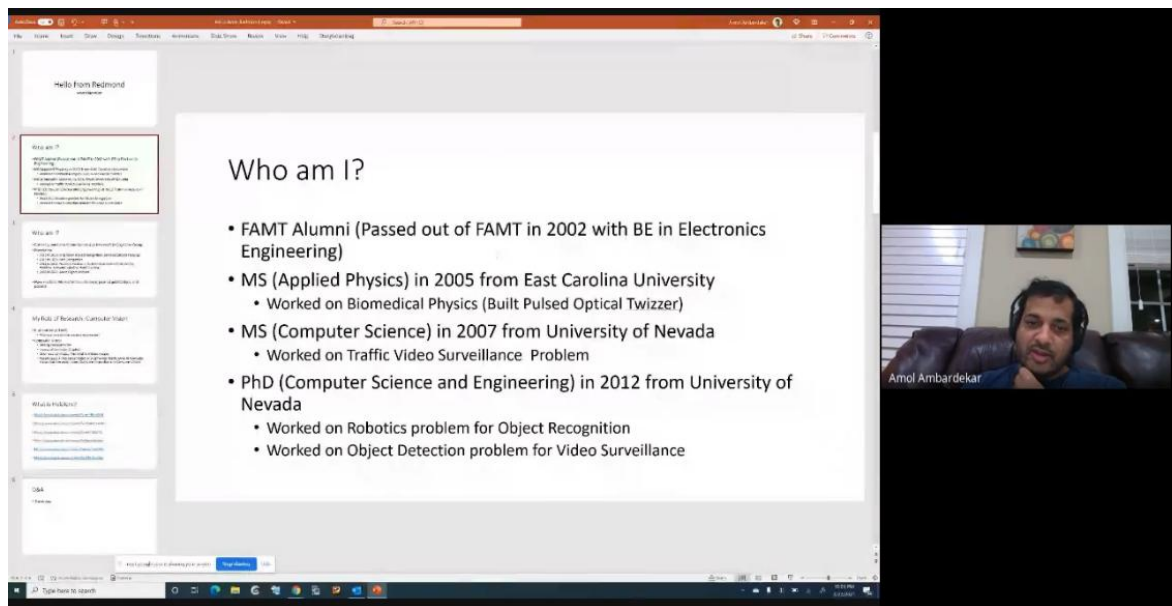
The later half session was an interactive session where students asked their doubts related to what career to choose, also about patent claming and many more. Also students asked about what was his experience of doing his MS, what did he do first? When he landed in US how did he search place to stay? What is the living expenditure there?, and so on. Amol advised students to be clear on their engineering basics, during the interview listen to the question properly and then formulate the answer and have a grit to slove problems and to achieve your goal.

45 students participated in this talk. The talk was organized and coordinated by Prof. Vrishali V Nimbalkar with the cooperation from HOD of Electronics Engineering Department Prof. Girish Bhide an In-charge HOD, Prof Ashish Vartak.

### Photographs of the Alumni talk titled: Career Path and Current Technologies



### Introductory speech by Prof Girish Bhide, HoD of Electronics Engineering Department



Dr. Amol Ambardekar during the talk session



## 2] Alumni Talk on Journey In VLSI Industry

Department of Electronics Engineering had organized an Alumni talk, on 11<sup>th</sup> of March 2021 by Mr. Ritesh Belgudri. This “Alumni Talk” was organized as a part of Silver Jubilee celebrations of our FAMT college.

Our 2012 batch passed out Alumni Mr Ritesh Belgudri gave a talk on "Journey in VLSI Industry". The talk was organized on 11th March, 2021, at 11.30 am, for the students by the department. The objective of the Alumni Talk was that, students can get to listen to his experiences of making career in VLSI domain, they get to interact with the Alumni, get to know what industry expects from a fresh graduate, what kind of research is going on in topnotch industries and take his guidance in structuring their own career.

From the past two years Ritesh is working as a Field Application Engineer in Intel Corporation, Bangalore. This is indeed a remarkable achievement. Prior he has worked as an FPGA Design Engineer and as a FPGA Architect. He has done his M.Tech in VLSI Design from VIT, Chennai. He has publications in reputed Journals and Conferences and he is also a member of VLSI Society of India and IEEE.

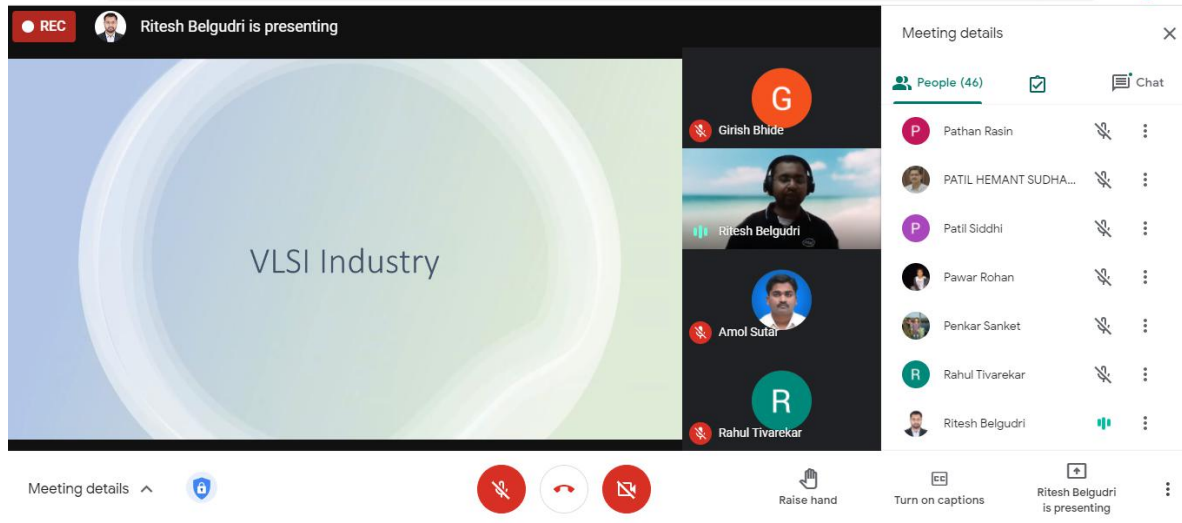
Ritesh started his talk by sharing his memories of FAMT college, going to beautiful places in and around Ratnagiri and his life with friends in FAMT. He then made students realize the impact of VLSI in our today's life with social media- Mobile Phones, remote learning, 4G as well as the next generation 5G technology, healthcare, Autonomous Vehicles, Machine Learning, Artificial Intelligence as well as Datacenters. He then gave an overview of VLSI Industry by categorizing it into Fabless companies, Foundary/Fab Labs and IDM (Integrated Device Manufacture) companies.

In the interactive session with students, regarding his career advice to students he urged students for “Don't just look for a job find a purpose.....” so that you will never be bored with what you are doing. He emphasized on to identify your Strategic Inflection Point (SIP) in your studies or career and be ready to accept the change and set up your new goals. Be passionate about your studies and your career then only you survive and excel. Keep upgrading yourself always. He informed students by giving links and youtube videos that Intel offers in FPGA domain and about how students can make their career in VLSI FPGA domain.

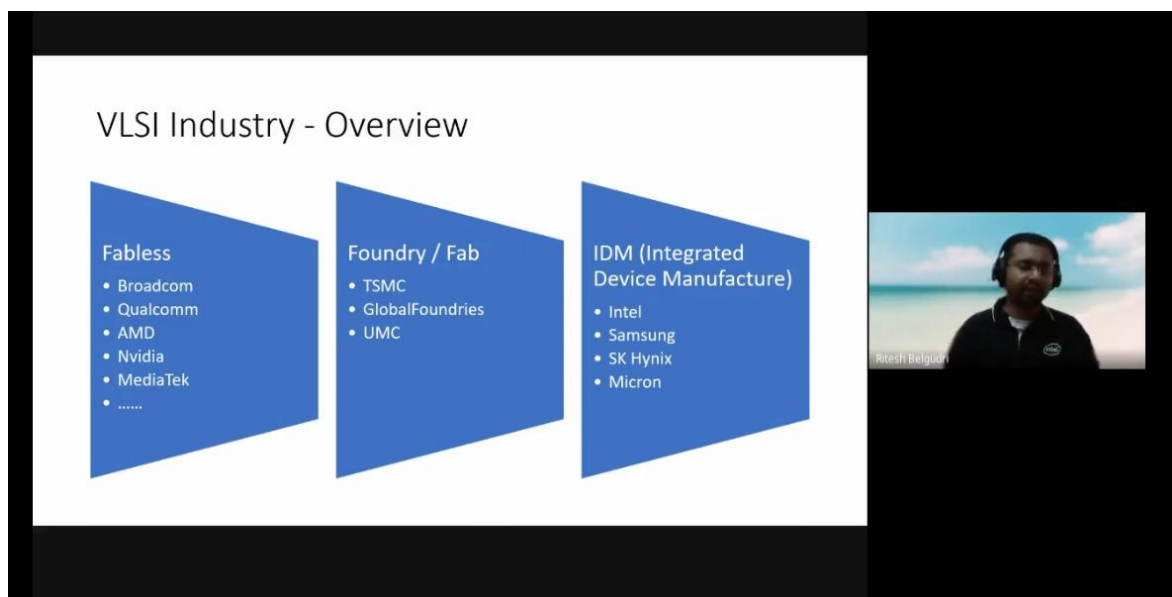
48 students participated in this talk. The talk was organized and coordinated by Prof. Vrishali V Nimbalkar with the cooperation from HOD of Electronics Engineering Department Prof. Girish Bhide and In-charge HOD, Prof Amol Sutar.



## Photographs of the Alumni talk titled: Journey in VLSI Industry



## Introductory speech by Prof Girish Bhide, HoD of Electronics Engineering Department



**Mr. Ritesh Belgudri during the talk session**

## 3] A two Days Technical/Non-technical Department Event Electrofocus2K21

The two days intercollegiate technical / non-technical festival *Electrofocus-2K21* was organized by the Electronics Students Technical Association (ESTA) at Department of Electronics Engineering from 9<sup>th</sup> May 2021 (Sunday) to 10<sup>th</sup> May 2021 (Monday) in online mode.

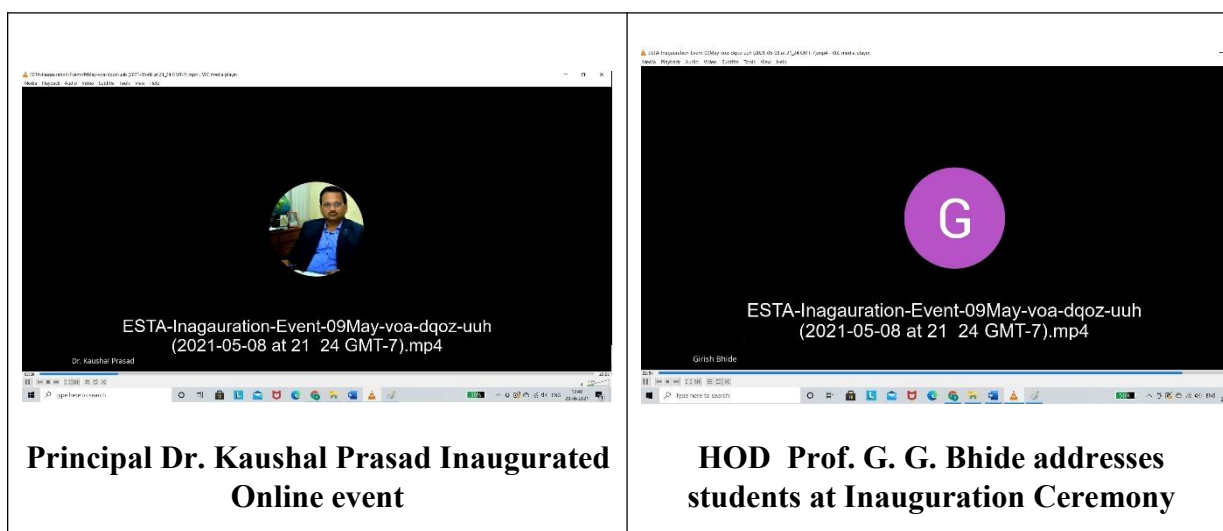
The theme of event was based on Technical and Non-Technical competitions such as Python Coding, Technical Group Discussion, Sketching, Poem, Tech Quiz, Circuit simulation etc. The event took place in online mode through google meet.

Respected Principal of Finolex Academy of Management and Technology Dr. Kaushal K. Prasad (Ph. D. Mechanical), inaugurated the event. Total 31 students had participated in various competitions out of which 11 students were from other colleges in Ratnagiri, Devrukh, Kankavli, Kolhapur, Pandharpur, Pune, Mumbai, etc. which made this event truly intercollegiate. The winners of various competitions were rewarded with cash prize and e-certificates. The Entry to the various events was free to encourage more and more participations.

This event was aimed at helping students in exploring their creativity and technical skills. The confidence level in students seemed lifted up. Few students faced Technical Group Discussion for the first time, and few gave a way to their hidden skills by participating in the competitions.

Ms. Parnika G. Narvekar (Student Chief Coordinator, ESTA), and Mr. Mahesh A. Jadhav (Faculty In-charge, ESTA) smoothly carried out all the knowledge and fun activities with the support of all other teaching and non-teaching staff of Electronics Engineering Department under the guidance and suggestions of Prof. Girish. G. Bhide, HoD.

### **Photographs of A Two days intercollegiate technical / non-technical online event Electrofocus-2K21**



#### 4] Department Advisory Board Meeting

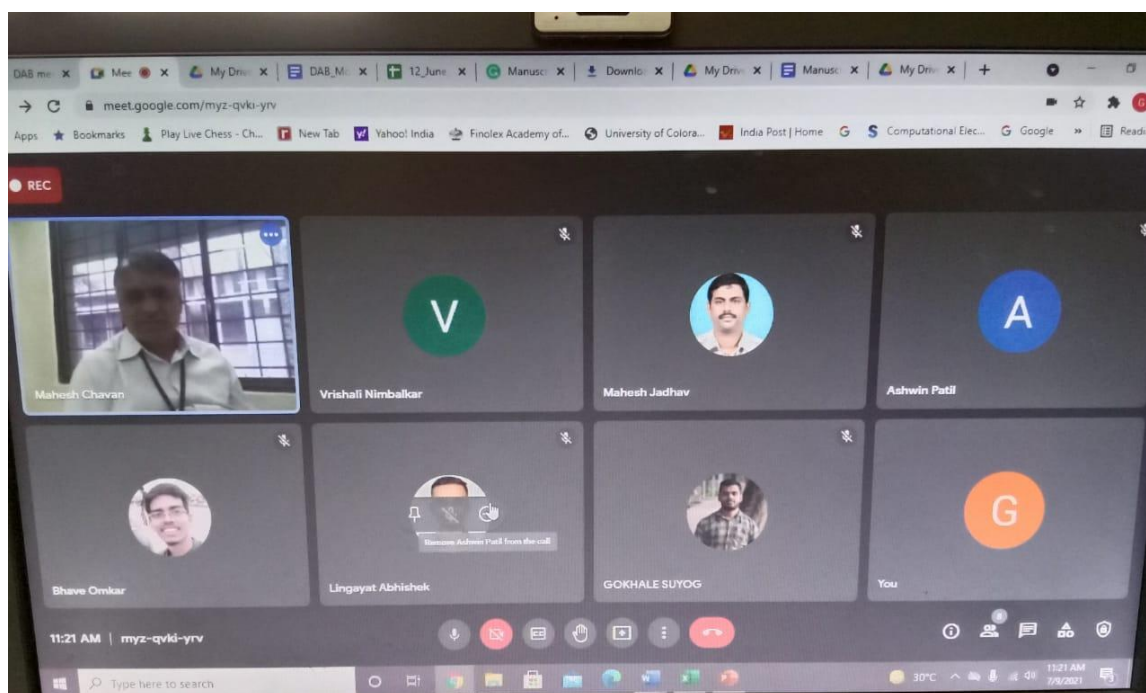
The Department Advisory Board Meeting is held annually and it gives guidelines to the department to progress academically and remain up to date with the current requirements of the industry. The meeting was conducted on 09<sup>th</sup> July 2021 by Electronics Engineering Department at 11 am through Online mode. The following members listed in the table are the committee members and were present for the meeting.

The Departmental Advisory Board (DAB) meeting began by welcoming and by giving an introduction of all the committee members present by Prof. V. V. Nimbalkar. It was followed by a departmental presentation given by HOD, Prof. G. G. Bhide.

In the presentation information about the notable milestones achieved by the department, various student activities, students achievements, results analysis, Industrial training and placement information, workshops and seminars carried out in the department for the students was given. An overview of various Coursera courses, NPTEL courses, ATAL FDP, STTP, workshops, Industrial Training and webinars, undertaken by Faculty was given. The meeting was then open for discussion and suggestions for the improvement and betterment of the Department.

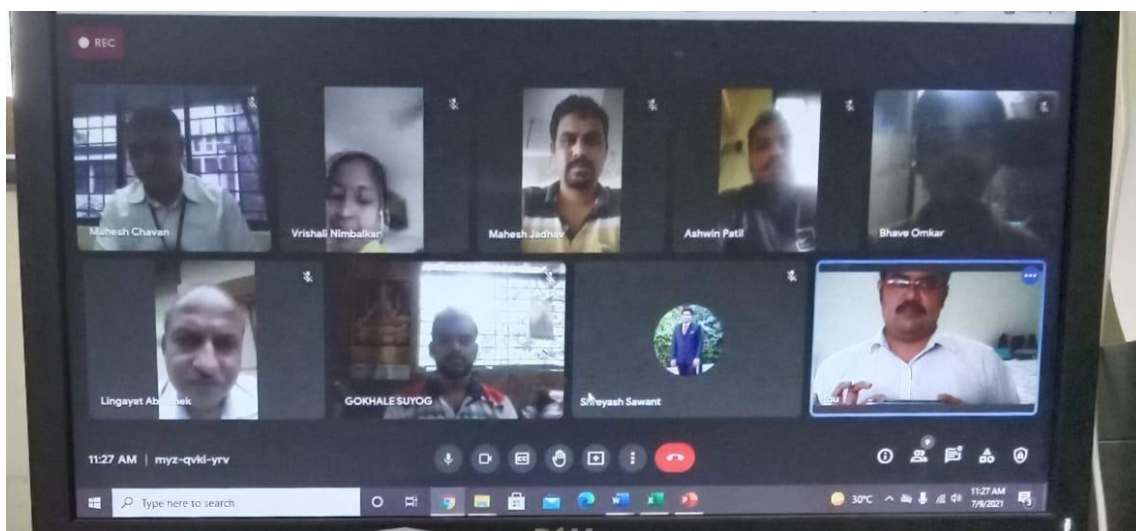
The suggestions given by Dr. Mahesh Chavan sir, parents, students and faculty were noted. The meeting ended with a vote of thanks given by Prof. M. A. Jadhav.

#### Photographs of DAB Meeting



**Dr. Mahesh Chavan (Professor & Dean Academic, KIT COE)  
giving his suggestions during the meeting**

## Photographs of DAB Meeting



## Discussion and suggestions session

### 5] Students activities

Students have undergone various online courses to enhance their technical skills and learn current technologies used in industries. Listing few of them:-

Sr.No	Name of the Student	Course offered by	Course Title
1.	Nuzhat Dabholkar	skillsoft	Cloud Computing, Cloud Computing Security, Cybersecurity, IoT, Human Resource Organizational Development, Linux- Ubuntu20.04, Enabling Business Process Improvement, Android 6, Microservices, Manage Difficult Conversations
2.	Parth Sawant	Great Learning	Introduction to R, Microsoft Azure Essentials, Front End Development-HTML, Cloud Foundations–Advanced, Introduction to Corporate Finance, AWS for Beginners, Android Applications Development.
3.	Parth Sawant	EMax Council For Vocational Training and Education	Python Programming

All students have also undergone various workshops and Internship Training programs during this semester. Nine students from BE have been placed this semester in the companies listed Flex Electronics, Nagravision, Q-spider, BYJU'S, Canano Photonics, Dhoot Transmission and Rouch Polymer.

## 6] Various Online Courses Undertaken by Faculty

To upgrade and enhance their knowledge faculty members also participated in various workshops, ATAL FDP's, webinars, STTPs, etc. The details are as follows:-

Sr. No.	Name of Faculty	FDP/STTP/Workshop/Webinar/Coursera/NPTEL /IITB On-line Spoken Tutorial/Others
1	G. G. Bhide	Workshop-1
2	V. V. Nimbalkar	AICTE ATAL FDP- 1, INTEL FDP-1, Faculty Training-1
3	A. R. Sutar	Workshop-2, FDP-1
4	S. R. Nalage	Workshop-1, Industrial Training-1
5	M. A. Jadhav	FDP-1
6	R. P. Tivarekar	FDP-1
7	A. B. Vartak	EDX Courses - 2
8	R. B. Ingale	FDP-1

## Students Achievements

Sr. No.	Name of Students	Details
1.	Mr. Parth Sawant (TE ETRX)	Qualified the Search Ads 360 certification Exam.
2.	Mr. Rohit Sawant(BE ETRX)	1st Place in Open Category in "International Level KARATE Championship" held at Goa in fdeb 2020 – KATA Event
3.	Mr. Rohit Sawant(BE ETRX)	3rd Place in Open Category in "International Level KARATE Championship" held at Goa in fdeb 2020 – KUMITE Event

## **PUBLISHER**

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