



# Department Newsletter

Department of Electronics & Telecommunication Engineering

## From HOD's Desk

by PROF.NIGAVEKAR A. R.



*This department has been running a U.G. course in Electronics Engineering since 1983 and PG course in Electronics and Telecommunication Engineering since 2004. It has to its credit an excellent track record in terms of students' academic performance over the years. Students consistently feature among the 'top ten rankers' at the university level. Besides they have also been performing well in competitive exams like GATE, GRE, TOFEL, etc. Many of them have made a mark in reputed companies at the national and international level.*

*It regularly conducts various courses to keep pace with the dynamics of change by teaming up with various reputed institutions and organizations. At KIT, Research and Development is an integral part of every academic discipline. Our R&D efforts to advance and widen the knowledge base prove beneficial to both the faculty and students. We believe that there's nothing like 'education that finds a direct application in the industry', and we aim to provide just that with industrial visits, study tours and specific workshops on interview techniques and group discussions. Being strategically located in a region that's blossoming industrially, outstanding projects worked on by students receive financial support of the industry. We also encourage students into active consultancy for various organizations in the industry giving them insights and inputs that prove helpful. Our R&D efforts to advance and widen the knowledge base prove beneficial to both the faculty and students. We believe that there's nothing like 'education that finds a direct application in the industry', and we aim to provide just that with industrial visits, study tours and specific workshops on interview techniques and group discussions. Being strategically located in a region that's blossoming industrially, outstanding projects worked on by students receive financial support of the industry. We also encourage students into active consultancy for various organizations in the industry giving them insights and inputs that prove helpful.*

*Campus interviews help students get acquainted with the requirements of the industry and also help them find placements in well-known industries like intel, Microchip, Adani, Tech Mahindra KPIT Technologies Pune, eInfochip Pune, Global edge Bangalore SIEMENS, HONEYWELL, BEL, BARC etc.*

*The department draws upon the rich experience of 12 qualified and highly experienced faculty members. Majority of them have a Professional experience ranging from 10 to 25 years. The department also invests much on its laboratories, to provide excellent facility to students as much as possible.*

## AICTE Sponsored 2 weeks Online FDP on "Machine Learning and Its Applications"

by PROF.DR.CHOUGULE S.R.

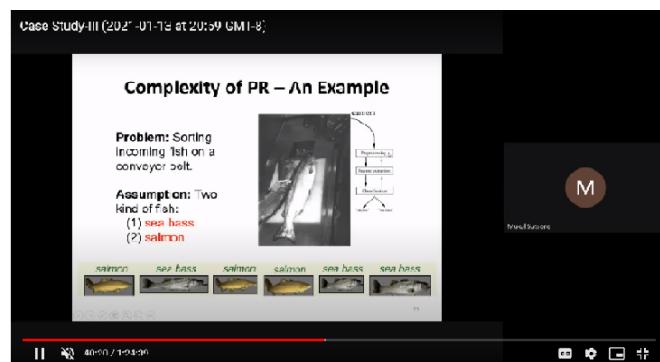


A AICTE sponsored Two Week Online FDP was organized by Department of E & Tc during 5<sup>th</sup> January to 15<sup>th</sup> January -2021.

The FDP was conducted by EduxLab-Esoir Business solutions along with eminent personalities from Industries and Academics. This FDP introduces concept of Machine Learning and Deep Learning. It covers an overview of machine Learning and Deep Learning algorithms and its applications.

The training comprises of online lectures and practical sessions. The FDP was registered by 100 participants from various imminent Engineering colleges and Industry persons as well as research scholars.

At the end of program an online MCQ Exam was conducted and bases on attendance and Exam results certified were issued to successful participants.



## ISTE Sponsored One-Week Online FDP Programme on "Design and Simulation of Antennas Electronics Design Automation"

by DR.RENKE A.L.

AICTE –ISTE sponsored one week Online faculty development program on “Design & simulation of antennas “was organized by department of ETC of KIT’s collage of engineering from 3<sup>rd</sup> April to 8<sup>th</sup> April-2021.



The mode of the workshop was online on WebEx platform. More than 90 participants from all over India were registered for the program. The workshop was inaugurated by Col. B. Venkat, director FDC cell AICTE, New Delhi as a chief guest. Col. B Venkat sir addressed the participants very nicely and told the importance of antenna design in the field of communication engineering. President of the inaugural function was Dr. Ranjeet Sawant, president ISTE Maharashtra Goa section.

The main theme of the workshop was antenna design and simulation. In this workshop the contents covered were antenna fundamentals, antenna design equations, case study design on patch antenna, short dipole etc. Then different simulation software's were covered those are Ansys HFSS, ADS and CADFEKO. At last the introduction to VNA and its applications were discussed. This workshop will certainly help participants to improve technical skill set required for teaching methodology and efficiency. The workshop ended with valedictory function, the main guest was Dr. Vijay V. Vaidya sir, President of ISTE, new Delhi. Dr. Vaidya sir addressed the issues related to antenna design & its practical applications in real time world.

## AICTE-ISTE Sponsored One week Online FDP on "Model Based Design using Matlab (EDA Technologies)"

by PROF. DESAI V.K.

AICTE –ISTE sponsored one week online faculty development program on “Model Based Design using Mat-

lab (EDA Technologies) "was organized by Department of E&Tc of KIT's collage of engineering from 9<sup>th</sup> March to 15<sup>th</sup> March-2021. The mode of the workshop was online on WebEx platform. More than 90 participants from all over India were registered for the program. The FDP was conducted by various eminent personalities from academics and industry.

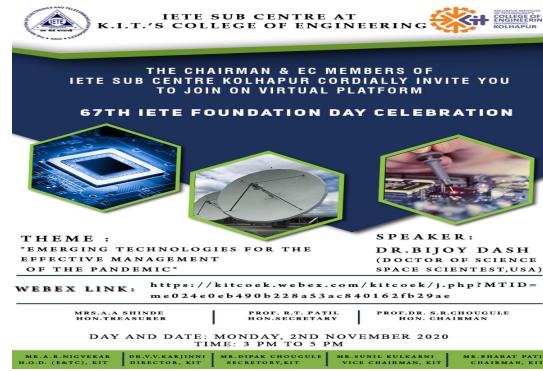
The main theme of the workshop was Model based design and its simulation. In this workshop, the contents covered were basics of model design, introduction to different Industrial standard tools, model based design for small systems, exploring system response using different control methods, modelling and simulation of automotive systems and various case studies etc. This workshop will certainly help participants to improve technical skill set required for teaching methodology and efficiency. After every session attendance and feedback were taken. At the end of FDP 25 marks MCQ Examination was conducted. Certificates were issued to the participants.



## IETE 67th Foundation Day Celebration

by DR.CHOUGULE S. R.

A very motivational and informative Talk by Dr. Bijoykumar Dash was organized to celebrate 67<sup>th</sup> foundation Day of IETE on 2<sup>nd</sup> November-2020. This event was organized in online mode using Webex platform where all faculty members along with students form E & Tc department were present. Mr. Bijoy Dash gave insights on "Emerging technologies for effective management of pandemic". Dr Dash also shared his on field experiences with students followed by question answer session. Mr Dilip Joshi Sir introduces the Chief Guest. Mrs. S R Chougule Madam chaired the programme and Prof. A R Nigavekar Head, Department of E & Tc gave the vote of thanks.



## Pioneer-2021 "Code-O-Fiesta C- Programming Contest"

by MRS. GANGAPURE M. V.



Department of Electronics Engineering under EESA organized Code-O-Fiesta a C Programming Contest in Pioneer 2021 on 15<sup>th</sup> February-2021. All the students from EESA well organized this event. Due to Covid-19 pandemic, the event was organized in online mode using Webex platform and Moodle. Over 60 students from all nearby colleges were participated. Prof. Nigavekar A. R. Head, Department of E & Tc well explain the importance of C programming in context with placement in his inaugral speech. The contest was conducted in two levels. The first level was aptitude test based on C programming and second round was programming round. Mr. S R Karadkar judged the whole event. The Winners were felicitated by attractive Cash Prizes.



## Pioneer-2021 "HIRED OR FIRED"

by MRS. CHOGULE A. A.

Department of E&Tc Engineering under ASSETS organized "HIRED OR FIRED" Contest in Pioneer 2021 on 15<sup>th</sup> February-2021. The core team and a bunch of volunteers gathered at the E&TC Dept at sharp 9.30am. Arrangements were made in accordance to the event being online. President Mr. Sushant Kamble gave an introductory speech on behalf of team ASSETS. Faculty coordinator Mrs. Ashwini Shinde guided and instructed the whole team at the start of the event. Participants were sent a webox link which they had to join so that the instructions would be given. Around 110 participants attended the event online. The first round was Aptitude test and second round was pictorial judgmental round which checks participant's critical thinking ability, creativity and confidence. 13 best students were then shortlisted for the final round.



IoT in agriculture uses robots, drones, remote sensors and computer imaging combined with continuously progressing machine learning and analytical tools for monitoring crops, surveying and mapping the fields and provide data to farmers for rational farm management plans to save both time and money. The visit was organized to help students to do research and analysis of problem given by ARM on IoT based agro-solution for Africa.



The final round was a HR Interview round which was conducted by Ms. Rutuja Pawar, HR Pacific consultancies. The event was smoothly and professionally handled by Team ASSETS.

**Field Visit of B Tech Electronics Engineering students to study IOT in agriculture applications. Technical team of Netafim Israel, India operations demonstrated students Netafim products on field.**

by PROF. NIGAVEKAR A. R.

On 1<sup>st</sup> April-2021 , 21 students of B Tech Electronics Engineering along with prof. A. R. Nigavekar, Prof. V. K. Desai and Prof. V. V. Patil visited Netafim Farm near Kolhapur. Technical team of Netafim Israel, India operations demonstrated students Netafim products on field. The students observed the vital use of IoT (Internet of things) in an agricultural .They observed the use of sensors, cameras, and other devices to turn every element and action involved in farming into data.



**Faculty Interaction with Dr. Bijoy Dash (Doctor of Science, USA)**

by PROF. NIGAVEKAR A. R.

Faculty interaction with Dr. Bijoy Dash (Doctor of Science USA) was organized on 26<sup>th</sup> November- 2020. Faculty from Department of Electronics & Telecommunication Engg. Department of Electrical Engg. and senior faculty from various departments were present.



Dr Dash discussed the importance of practical approach of students towards solving day today life problem with engineering perspective. He discussed what an

Idea Lab concept is and how to implement it in an engineering college with multidisciplinary branches. The discussion processed further with the overarching concept of state-of-the-art lighting controls. This session become was very interactive as Dr Dash explained various lighting concepts with live demonstration.



### **MoU with PARI Technologies and KIT College of Engineering, Kolhapur**

by PROF. NIGAVEKAR A. R.

PARI Technology has become the interlocutor for the new technological society in areas such as the development of the knowledge industry and Automation. In Academic year 2020-21 Placement officer and few senior faculty members visited PARI Technologies with interest to initiate interaction with industry in view to find how best KIT can respond to industry and media. Being PARI Technologies as one of the vibrant organizations, the interests of KITCOEK were very well received. PARI Technologies promised to respond positively. The purpose of these activities is to identify students who are academically sound, and are passionate and interested in PARI Technologies practice. The college have signed a MoU with PARI Technology for beneficial of both students and the company. Mr. Bharat Patil Sir Chairman K I T's C o E, Kolhapur, Principal Dr. V. V. Karjinni Sir and Senior Faculty from all departments were present at this moment. The purpose of MoU with PARI Technology is to have mutual intentions to jointly work on projects required for industries and research needs, with learned faculty of good industrial as well as academic experience and promising students, jointly agree to exchange their expertise for mutual benefit and growth, on the areas specified.

### **One day Workshop on "Use of MatLab for study of engineering and Science"**

by PROF. NIGAVEKAR A. R.

There are many important skills that engineering students develop by learning throughout their academic carrier. Now in the era of multidisciplinary engineering environment, use MATLAB is very beneficial to both faculty and students as it is the most significant of which is the ability to distil a problem so that it can be solved using a computer algorithm quickly and efficiently. With this perspective our college has purchased MatLab Campus wide License. And to get aware of use of it a one day workshop was organized on 18<sup>th</sup> February-2021 for all the faculties from Humanities department.



Dr. Spandana from MathWorks well explained the range of applications, in industry and academia, including Deep learning and machine learning, Signal processing and Communications, Image and video processing, Control systems, Test and measurement, computational finance, and Computational biology.

### **e-WASTE recycling of write-off equipment of Department of Electronics Engineering.**

by PROF. NIGAVEKAR A. R.

Department of Electronics Engineering is got merged with Electronics & Telecommunication department with academic year 2019-20. The department is shifted from Main building to new E&Tc building.



While shifting, it is observed that there is bulk of e-wastage present. It's critical to keep electronic waste out of landfills. Electronic devices are comprised of toxic substances and heavy metals. Materials such as chromium, cadmium, mercury and lead can leach into the soil contaminating the air and waterways. ... Recycling this material will save landfill space. So all the e-wastage from department is collected and recycled on 29th August 2020. All teaching and non-teaching staff co-operated for this.

### INTROME Contest

by MRS. GANGAPURE M. V..

In today's competitive world job-hunting has become a truly adventurous task. To get a desired job, you have to participate in the rat race of qualified, highly-qualified and experienced or fresh candidates. To succeed in this race, writing a résumé and presenting your candidature is a crucial challenge.

Keeping this in mind, EESA has organized first-ever "RESUME WRITING AND INTRODUCTION VIDEO CONTEST" for Electronics and Electronics and Telecommunication Engg. Students on 9th November-2019. This contest helps students to provide good practice of resume writing as well as building confidence within students.

Total 48 students were participated in the contest by uploading their resume and introduction video through Moodle. Out of that 12 resume were short listed. These resume were judged by Mr. Rakesh Prasad, Senior Manager (Recruitment) KPIT who was also Chief Guest for Prize distribution ceremony. He addressed the students about How to write a good Resume. He briefed as think of a resume as a tool for marketing yourself. It's more than just a document. It outlines your background, your skills, and your education so that a potential employer is quickly and easily able to see how your individual experiences can contribute to a company's success. Prof. A. R. Nigavekar presided the ceremony. Prof. S. S. Mane TPO was also present for the ceremony. Miss Prajkta Bhosale presented the vote of Thanks.

First Prize for Resume writing goes to Mr. Arish Maner (T. Y. B. Tech Electronics Engg.). Mr. Purshottam Kulkarni (T. Y. B. Tech Electronics Engg.) was honoured with first prize for Introme contest.

### Congratulations

by DEPARTMENT OF E & TC ENGG.

#### Miss. Arya R. Sawant

GRE Score: 318/340

TOFEL Score: 113/120

Congratulations for having admission in University of Texas at Dallas

#### Mr. Sushant S. Kamble

Congratulations for having admission in Northeastern College of Professional Studies, Toronto, Canada



Placement in 2020-21

Sr.No.	Recruiting Company Name	Selected Candidate Name	Package (LPA in Rs.)
1	Capgemini,Pune	MORE PRAGATI SANJAY	3.8
		JADHAV RUTUJA RAJENDRA	3.8
		SAWANT ARYA RANJIT	3.8
		JOSHI VIJAYALAXMI RAVINDRA	3.8
		KULKARNI PURUSHOTTAM ATMARAM	3.8
2	TCS Ltd., Pune	JIRGE GAYATRI BIPINCHANDRA	3.6
		MANER ARISH SHAHAJAHAN	3.6
		PATIL YASHDEEP PARAG	3.6
		GOJARE PRASAD SANJAY	3.6
		KULKARNI ATHARV MUKUND	3.6
		HARDIKAR VARAD SUDHIR	3.6
		SAWANT SHUBHAM ANKUSH	3.6
		JOSHI OMKAR	3.6
		MORE PRAGATI SANJAY	3.6
3	SLK Softwares, Bangalore	SHELKE ANJALI ABHIJIT	3.5
		SALOKHE SHIVANI SURESH	3.5
4	Mouritech	PATEL SANIYA DARA	2.2
5	Accenture	PAWASKAR RAJAS SANJAY	4.5
6	Capgemini	Shruti Vijay Nalvade	3.8
7	Dhoot Transmission	SHRUTI SANTOSH NAVALE	1.8
		Poonam Mahadev Tadavale	1.8
		Shital Sukhadev Kapale	1.8
		Jyoti Jayagonda Patil	1.8
		Trupti Tatoba Sutar	1.8
		Prajakta Suhas Patil	1.8
		Dhanashri Sanjay Mane	1.8
		Sharvari Shrinivas Kulkarni	1.8
		Pranav Prashant Phansalkar	1.8
8	Capgemini	Kiran Vishwas Ganeshacharya	1.8
		Digvijay Dipak Bhopale	3.8
9	Netcracker	Girija Vivek Desai	5
		Pranav Prashant Phansalkar	5
			90.7
		Average Package (LPA in Rs.)	3.15
		Highest Package offered	5

'Our Major Recruiter'

