JANUARY 2024, NO VOL.13

KOLHAPUR INSTITUTE OF TECHNOLOGY'S COLLEGE OF ENGINEERING KOLHAPUR

Department Newsletter

Department of Electronics & Telecommunication Engineering

Vision

To be the center of excellence in Electronics and Telecommunication Engineering education and preferred choice of students,faculty,industry and society at global level

OUR MISSION

Highlights

- Department's Activities
- Staff Achievements
- Alumni Interaction
- Students Achievements
- Internship
- Placements

From HOD's Desk

Dear friends and well-wishers of KIT's college of Engineering, Kolhapur,I am happy to present the January-2024 Issue of Department of E & TC Engg. the newsletter to you. The current issue will give you a glimpse of the Activities conducted ,Academic Achievements, Research & Innovations,Collaborations and placements. Your comments and suggestions are welcome to make the next issue of the newsletter more interactive. *The Department has been running a U.G. course in Electronics & Telecommunication Engineering since 2007. It has to its credit an excellent track record in terms of students' academic performance over the years.*
We believe that there's nothing like 'education that finds a direct application in the industry',and we aim to provide just that by incorporating industry oriented syllabus as well as organizing industrial visits, study tours and specific workshops and also providing internship in various national and multinational companies as well as in national and international institutes. Being strategically located in a region that's blossoming industrially, outstanding projects worked on by students receive financial support of the industry.
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, KPIT Technplogies Pune, Capgimini,Wipro,eInfochip Pune, Global edge Banglore SIEMENS etc.

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Prof. A. R. Nigavekar

Board of Studies Meeting

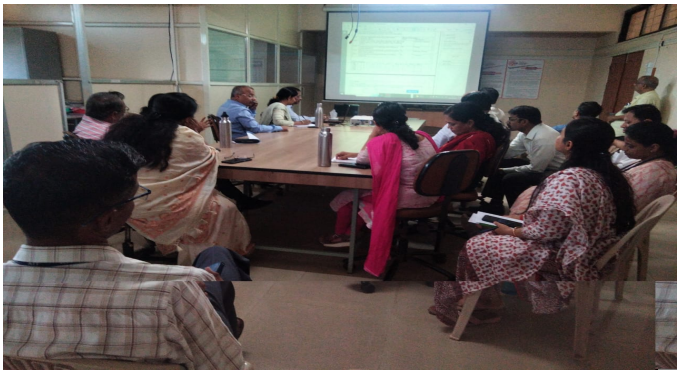
Board of Studies Meeting of the Electronics and Communication Engineering department was held on 9th June 2023 (Online/offline Mode) at 11 a.m.The following members were present

- Prof. A. R. Nigavekar (Chairman)
- Dr. Faruk Kazi (Member Academic Council)
- Mr. Chandrakant Lokulwar (Member Industry Representative)
- Dr. A. D. Jadhav (Member Academic Council)
- Dr. N. B. Sambre (Member)
- Dr. M. R. Dixit (Member)
- Prof. S.R. Chougule (Member)
- Prof. Dr Y. M. Patil (Member)
- Prof. Mrs. M. V. Gangapure(Member Secretary)

Along with all Faculty members from E & TC Engg department

Head and Chairman Prof. A. R. Nigavekar welcomed all the members and introduced the BOS Panel Members. The meeting thereafter deliberated on agenda items as had been approved by the Chairman.

- Prof. A. R. Nigavekar presented the programme objectives and Programme outcomes along with Programme specific outcomes. He elaborated the structure with respect to total credits allocated, total number of Program core courses accessed and Program Elective and Audit courses.
- Prof. A. R. Nigavekar then presented Third syllabus contents and appealed to all committee members for open discussion and suggestions on curriculum contents of Third year (B.Tech) ETC.
- The all Theory courses followed by respective Lab courses were discussed in details.



All the course syllabi have been approved with incorporating the recommendations and suggestions of BoS committee members. The meeting concluded at 1.00p.m. with a vote of thanks by Mrs. M. V. Gangapure.

Guest Lecture on Model Based Design using Matlab Simulink

by *Mrs. Gangapure M. V*

The Electronics and Telecommunication Engineering Department in association organized a Guest Lecture on Model Based Design using Matlab Simulnk for the students of Third year of Electronics and Telecommunication Engineering, on 21st October-2023.

The Guest lecture was conducted by Mr. Kunal Khandelwal Sagar Hukkire Application Engineer,MathWorks.Students from Second Year and Third year ETC were the target participants.The entire day sessions were conducted in Seminar Hall. The following points were covered in the workshop.

"Alumni Interaction-Mr. Abhinay Koyle"

Department of Electronics & Telecommunication Engineering had organized Alumni Interaction on 12th August 2023. Mr. Abhinay Koyale is alumnus(2011 Batch) of Department of ETC Engg K.I.T.'s College of Engineering (Autonomous), Kolhapur. He is currently working as founder and CEO of ABKO English Academy. A vary interesting and fruitful interaction take place with all SY, TY and Final Year students.He discussed following points with the students. The discussion starts Discover what business communication is and how you can improve it. He also shares some easy to tips.

Abhinay started his discussion with business depends on the successful sharing of information — and so do your employees.Without effective communication, we can't make ourselves heard, connect to our peers, and ultimately achieve our goals. This is particularly applicable in the workplace, where cooperation determines the success of individuals, teams, or even an entire business.his is what we mean by 'business communication': your ability to communicate with every other member of your organisation, and their ability to communicate with each other.

He also suggest some easy solutions for effective business communication.

- DIAGNOSE YOUR SPECIFIC ISSUE
- CHANGE YOUR APPROACH
- LISTEN ACTIVELY
- SET EXPECTATIONS

It was a very interactive session and the students clarified their doubts in Question answer session.

One day workshop on "Circuit Simulation and PCB Design"

by Mr. A. S. Mohite

The Electronics & Telecommunication Engineering department arranges the various kinds of Workshops on continuous basis to enhance student's practical & technical skill and to make them compatible with industry. To fulfill departmental goal and industry need the department had organized "One day workshop on "Circuit Simulation and PCB Designing". In this workshop knowledge of "How the PCB Designing is done in industry?" was given to the students.It was held on 5 November 2023.

PCB Designing is one of most emerging field in Electronics in today's era. For the students of Electronics this is a good field to start their career.PCB designers are key persons in research and development (R&D), electronics production units as well as in the PCB industry. The workshop was aimed to provide knowledge about simulation tool to test electronics & electrical circuit in software environment, PCB design software named Cad soft EAGLE & to make physical PCB at home so that any student can make project on his own. Almost 60 students from Second Year had participated in the workshop.

Event was started by the informative and motivational talk to have a healthy "PCB Designing Workshop". The workshop started with an inaugural function at 11:00 A.M.

Mr. V. K Desai and Mr. A. S. Mohite had coordinated workshop appreciably to make it a successful to enhance student's skill level. After attending this workshop students are capable of Designing Special purpose PCB Of any Electronics Project. This project will helpful for students for circuit development of their final year project.

One day workshop on “PLC ”

by Mr. S. R. Lad

On 24 October 2023, a One-day Workshop on PLC Programming was organized by Department. The workshop was divided into 2 sessions. The first one was help before lunch. Next session was after the lunch. Both sessions were conducted by Mr. Mahesh Takle Sir. In first session, he introduced key concepts of PLC, need of PLC, applications of it in the real world. In second session, the students got hand on experiences of PLC programming. The students learned to use WPL soft V2.51 and DOP soft 4.0 software.

"Grow Socially"-Event by Communication Club ETC

The Department of Electronics and Telecommunication Engineering along with Communication Club ETC organized an event "Grow Socially" .This event was conducted by TY students in which SY students enrolled.

This event was to make awareness about the Role of Social Media platform in Career Building.The session includes profile building on social media Platform like Linked-in.

One more session was taken about to improvise communication skill which was conducted by Technical team of the club.

Workshop on “Antenna Design, Fabrication & Development”

by Mr. E. C. Patil

The workshop started on 5 November 2023 at 11 am. First of all Honorable Er. Anirudh Kulkarni sir was welcomed by Hod A. R. Nigavekar Sir of our college and Er. Mukund Bhopale sir was welcomed by Dr.Renke sir.Then honorable HOD Nigavekar sir guided students regarding workshop. After that the workshop started, firstly Anirudh Sir gave us an interesting lecture about the types of antennas and how antennas are fabricated. Also Explained to us in a very simple way how to manipulate the parameters required to create different antennas.

Then we learned how to build a different antennas. We all built different types of antennas. In groups of four to five we prepared different antennas like loop antennas, helical antenna , refractor antenna etc.Renke sir and Eknath sir guided us well while making the antennas. After that we attached the connector to the antenna that we fabricated and we were very happy when tested the antenna with a walkie talkie. The whole workshop went very well.

A Skill based workshop on "Antenna Design and Fabrication" was organized by Department of Electronics and Telecommunication Engineering on September 2, 2018. Around 70 students of Third year had participated in the workshop.

- Industry Experiences on antenna design and testing
- Introduction to antennas and its classification
- Antenna design and its mathematics.
- Fabrication Process of given antenna.
- Link Budget

The objective of workshop was hands on practice for various antenna development i.e. on the spot antenna fabrication by students. As well as hands on practice for RF long range link development and link budget

The students were provided with antenna material, tools, transmitter, receiver cable and connectors.Various antennas are designed by the students.

During the workshop, participants were able to deal with the design of various types of wire antennas for frequency 900 MHz. Students enjoyed the sessions as they practically realized the process of antenna design and development.

Outcomes of workshop:

- To provide basic knowledge of antenna theory.
- To make awareness of required design and measurement basics which will be required for different projects in radar and related areas.

The technical sessions were conducted by Mr. Anirudha Kulkarni (Akademika Lab Solution) and Mr. Mukund Bhopale (Mihir Communication)

CLPBL Day

by MRS. GANGAPURE M. V.

Take a little bit of creativity, add a dash of innovation,and sprinkle in some critical thinking. This recipe makes for a well-rounded and engaged student who's ready to tackle life beyond the classroom. It's called Problem-Based Learning (PBL), and it teaches concepts and inspires lifelong learning at the same time.

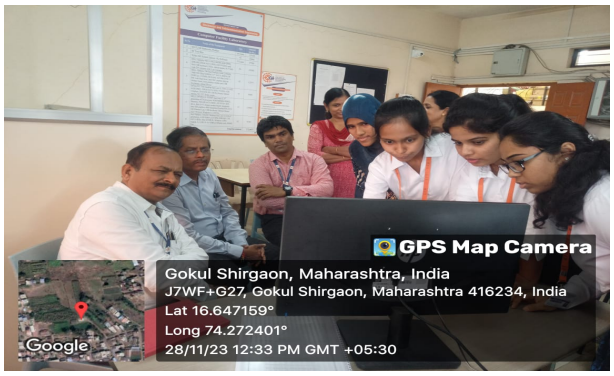
This problem-based learning style presents students with a real-world issue and asks them to come up with a well-constructed answer. They can tap into online resources, use their previously-taught knowledge, and ask critical questions to brainstorm and present a solid solution.

Unlike traditional learning, there might not be just one right answer, but the process encourages young minds to stay active and think for themselves. We're all about the problem-based learning approach at K I T's college of Engineering (Autonomous), Kolhapur.

Problem-based learning (PBL) is a teaching style that pushes students to become the drivers of their learning education. Problem-based learning uses complex, real-world issues as the classroom's subject matter, encouraging students to develop problem-solving skills and learn concepts instead of just absorbing facts.

This can take shape in a variety of different ways. For example, a problem-based learning project could involve students pitching ideas and creating their own business plans to solve a societal need. Students could work independently or in a group to conceptualize, design, and launch their innovative product in front of classmates and community leaders. At the Hun School of Princeton, a problem-based learning mode is offered in conjunction with course content.

This approach has been shown to help students develop critical thinking and communication skills as well as problem-solving abilities. Separate topics based on concept of Model Based Design and Digital System Design based projects were assigned to all students in groups (maximum 4-6 students per group) of the same year to enable healthy competition among the different teams. The students work in groups and assign and distribute various aspects of work so as to realize the project based on a timeline of about 2 to 3 months. Queries and doubts are clarified by interactions with the PBL coordinators and subject experts. Student groups submit the PBL report during their demonstrations on a specified date in front of the faculty members.All ETC Engineering Faculty of the concerned class were judges for PBL demonstration. Three projects from each class were selected for final presentation day.on 28th November 2023 CLPBL day was celebrated in which MS. Sakshi Kondekar (Senior Software Engineer,KPIT Technologies,Pune),Prof. Akshay Thorwat Dean Academics,Dr. P.S. Pise Dean Research and Coordinator IDEA LAb,Dr. Mohan Vanrotti Direcor KIT were present. "Power Generation using Wind Turbine" project by Ms. Tanjila and Ms. Liaba Mulgundar T Y ETC as well as "System Stability Analysis " by Mr. Prathmesh JAdhav from TY ETc Engg.were appreciated by all the dignitaries present. The participation certificate were issued to all the project group members.



Staff Achievements

Prof Mandar Sontakke successfully completed his Ph.D in Electronics & Telecommunication from VTU University Belgavi, Karnataka

Congratulations

- Ms. Komal Jadhav (Assistant professor) had successfully completed Swayam/NPTEL course in Deep Learning (IIT Madras)January 2023
- Mrs. Madhura Gangapure (Assistant professor) had successfully completed Swayam/NPTEL courese in Pattern Recognition & Its Applications (IIT Kharagpur) in October 2023.

Student Achievement

by MRS. GANGAPURE M. V.

Mr Harshvardhan Dilip Patil had qualified GATE EXAM 2024 (Computer Science and

Information Technology (S)) with score 65.19 (AIR-468).

Ms Aishwarya patil qualified

- GATE EXAM 2024 (Instrumentation engineering (IN)) with score 48.67 (AIR-360).
- GATE EXAM 2024 (Electronics & Telecommunication Engineering (ETC)) with score 39 (AIR-1254).

Internship

by **Mr. Gundavade V. D.**

Engineering education is one of the fundamental essentials which acts as a foundation or the building blocks which pave the way for our career. It provides us technical skills, inculcates cultural norms and values, and grasp quality learning. On the other hand, internships offer hands-on experience. They help in imbibing professional aptitude, broadens the spectrum, or widens the horizon of our knowledge. It allows students to procure and assists in establishing professional networks and contacts.

Keeping this in mind, internship is included in the curriculum. KIT always support our students for gaining knowledge through internship. This year also some of students from our department has been selected for internship in prestigious National and International institutes. Following students are selected in Knor Bremse for Internship

1. KAMBLE TANUJA BHIKAJI
2. KULKARNI ARCHIT RAGHAVENDRA
3. SHINDE EESHA PRAVIN
4. LAD ANIKET ANANDA
5. CHOTHE NEHA VIKAS
6. SAWANT SOHAM SANJAY
7. JASMIN MULANI
8. VRISHALI NAVALE
9. NAMRATA PATIL

Following students are selected in TCS Technologies for Internship

1. APRADH ATHARV RAJENDRA
2. MALKAR BHAKTI RAJESH

Placements

Mr. Patil E. C.

Sr. No.	Student Name	Company	Package
1	MORE VISHAL RAJARAM	Cloud 4C	4.5
2	KOLHAPURE ISHA UPENDRA	Cloud 4C	4.5
3	GELE DHANASHRI DHONDIRAM	Cloud 4C	4.5
4	MORE SHRAVANI SUDHIR	Cloud 4C	4.5
5	PATIL SURAJ VIDHYANAND	Cloud 4C	4.5
6	KAMBLE TANUJA BHIKAJI	Knorr- Bremse	5.5
7	KULKARNI ARCHIT RAGHAVENDRA	Knorr- Bremse	5.5
8	SHINDE EESHA PRAVIN	Knorr- Bremse	5.5
9	LAD ANIKET ANANDA	Knorr- Bremse	5.5
10	CHOTHE NEHA VIKAS	Knorr- Bremse	5.5
11	SAWANT SOHAM SANJAY	Knorr- Bremse	5.5
12	JASMIN MULANI	Knorr- Bremse	5.5
13	VRISHALI NAVALE	Knorr- Bremse	5.5
14	NAMRATA PATIL	Knorr- Bremse	5.5
15	PATIL DNYANESHWARI SHAM	Sensata Technologies	7
16	KUMBHAR ADITI VIJAYKUMAR	Sensata Technologies	7
17	GAIKWAD SHUBHAM SANTOSH	Hexaware Technologies	4.2
18	GAIKWAD SHUBHAM SANTOSH	WIPRO PARI	4.2
19	KAPASE RUSHIRAJ KIRAN	WIPRO PARI	3.5
20	LOHAR KETAKI SANJAY	WIPRO PARI	3.5

Placements

Mr. Patil E. C.

Sr. No.	Student Name	Company	Package
21	MORE GAYATRI MOHAN	WIPRO PARI	3.5
22	MOMIN JASMIN	WIPRO PARI	3.5
23	PATIL VISHWAJEET DHANANJAY	WIPRO PARI	3.5
24	PAWAR ANKITA DATTA-TRAY	WIPRO PARI	3.5
25	PATIL SOURABH SUNIL	WIPRO PARI	3.5
26	KATRE ANEESH KAM-LESH	WIPRO PARI	3.5
27	PATIL DIPAK SUDHAKAR	WIPRO PARI	3.5
28	JAGTAP KRUSHNARAJ DILIP	WIPRO PARI	3.5
29	SALUNKHE KOMAL RA-JENDRA	WIPRO PARI	3.5
30	ZORE SAIRAJ TUKARAM	WIPRO PARI	3.5
31	KASHID VAIBHAV RAMESH	WIPRO PARI	3.5
32	PATIL PRADNYA GAMB-HIR	WIPRO PARI	3.5
33	DEVADKAR RUTUJA ANANDA	WIPRO PARI	4
34	MOMIN JASMIN RAJU	Tata Power	6.97
35	PAWAR ANKITA DATTA-TRAY	Tata Power	6.97
36	PATIL SURAJ VID-HYANAND	Tata Power	6.97
37	SALUNKHE ACHAL SUD-HAKAR	Tata Power	6.97
38	MAHARNAVAR ARTI TATYASO	Tata Power	6.97
36	TAMBOLI ALFIYA FIROJ	Tata Power	6.97

OUR ESTEEM RECRUITER

For any suggestions, please contact us at: gangapure.madhura@kitcoek.in

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