JUNE 2023, NO VOL.12

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

Highlights

- Department's Activities
- Staff Achievements
- Innovation Club Activity
- 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 June-2023 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

40th GISFI meeting and International Conference on 6G and Wireless Networks

The GISFI Meeting and International Conference on 6G and Wireless Network Technology organised by College of Engineering (Autonomous), Kolhapur Institute of Technology at Hotel Sayaji with Professor Anil Sahastrabuddhe (NAAC Chairman) and Chief Guest Professor Ramji Prasad.

The grand opening ceremony of the GISFI Meeting and International Conference on 6G and Wireless Network Technology organized on 3rd & 4th April 2023 Tuesday in the presence of Professor Ramjee Prasad (Chairman GIFSI, Aarhus University Denmark). While expressing his opinion, he addressed the audience to work on the ambitious project of Prime Minister Narendra Modi, Atmanirbhar Bharat. The innovators and students present at the venue were left inspired to research 6G technology and wireless communication.

Professor Anil Sahastrabuddhe expressed his opinion on the new educational policy and how quality education can be taken to the maximum number of students. The students were made aware about the ongoing educational program Swayam, which is a joint effort of AICTE, Government of India and renowned educational institutions of the country.

How 6G and new technology can be used in education to the maximum extent was also addressed. In the evening, a cultural program was organized for all in which students and faculty performs.

Balmuralidhar Prasad, chief scientist, robotics at TCS Bengaluru and Arpan Pal, chief scientist, embedded devices at TCS Bengaluru were also present for this conference.

On April 3 and 4,a discussion was takes place about 6G technology and the ongoing research in the country and abroad under the GISFI meeting. Research papers of 42 innovators were presented under the international conference and selected papers will be published under the international conference. Also on 5th April, under 'Startup Ecosystem India and Globe', startups were guided by 6 different guests including Dr. Deepak Shikarpur, Mr. Arvind Chincure, Mr.Girish Degaonkar and Mr. Shashank Varma.

New researchers, faculty and students from all over the world were present at this time. 42 selected papers from 100 research papers were presented in the conference. Many researchers participated remotely. New researchers, faculty and students from all over the world were present. Chief organiser of the conference Dr Mahesh Chavan and Dr Nitin Sambre worked as coordinators along with all E & TC staff members.

Alumni Meet

by *Mrs. Gangapure M. V*

The Alumni Association of K I T's College of Engineering organized "ALUMNI MEET 2023"- a programme to facilitate, consolidate and coordinate Alumni Activities on 16th March 2023. The alumni meet is to reconnect with the Alumni and celebrate their success and various achievements. The Alumni started arriving in college by 10.00 a.m. and they were received by the registration team and they have been asked to fill the registration form. The Alumni Meet started with a welcome address by the alumni association president Mr. V. K Desai .

The meeting was graced by the Head of the department Dr. N. B. Sambre.

A group photo was taken to commemorate the day's events. As the evening drew to a close, the alumni bid each other farewell, promising to recreate this day again

soon. They left feeling rejuvenated and refreshed, having enjoyed a delightful day spent in the company of good friends.

To conclude the day, the Alumni Association Committee thanked everyone for making it to the event and requested them to join all future events with the same gusto and involvement.

"One more feather added to Startup WaveNxD Technologies"

The science and technology park Pune in April 2023, launched a competition in which number of startups were participated. The WaveNxD Technologies Pvt. Ltd. a startup incubated at KITE, KITCOEK also paricipated and won the cash Prize worth Rs. 2,00,000/-

The team WaveNxD was one of the 15 finalist selected across India.

Innovation Club KIT Activities

Department of Electronics and Telecommunication Engg. has formed Innovation Club in 2019 . Innovation club would help to engage students in innovative and creative activities along with providing opportunities for hands on activities. The innovation club creates awareness, educate, nurture and inculcate a culture of innovation amongst students and to enable them to generate new ideas and become more innovative.

Through this club, the Third year and final year students had organized technical seasons based on electronic circuit design. In these sessions, main objective was to teach and demonstrate practical circuit design approaches from beginner to advanced level.This semister, total seven technical sessions were conducted .

In the begining, The Vice-President Mr. Sourabh Yejare elaborate the vision of innovation club to attendees. Later the clubs technical head Mr. Archit Kulkarni gave a brief overview about the sessions to be conducted throughout the session. Mr. Archit Kulkarni gave a brief overview about the sessions to be conducted throughout the various session. The first session on RLC circuits was conducted by the technical members of the Innovation Club, Pranali, Sairaj and Vrishali.

This session started with an introduction to RLC circuits, which are circuits that contain resistors, capacitors, and inductors. The attendees were given a brief overview of the different properties of each component and how

they interact with each other in a circuit. The properties and use of RLC circuits in practical applications were then discussed in detail. For practical purpose the technical head showed the interior circuits of household appliances.

The second

The session ended with a Q&A session, where attendees had the opportunity to ask questions and clarify any doubts, they had about the topics discussed.

The second session was conducted by the technical members Arti, Sourabh and Aishwarya. The session started with an introduction to switches, explaining what they are and how they work. Then they went on to describe the different types of switching devices, such as Diodes, LED, Transistor, MOSFETS, Thyristor and Relay, and their working principle and applications. The attendees were then shown practical examples of how switches and relays are used in different types of electronic circuits.

The third session was on hands on dealing with Arduino.The session started with an introduction to Arduino, explaining what it is and how it works. The attendees were given brief overview of GPIO pins, on board components, ACD and PWM of Arduino. The attendees were also explained the basics of programming in Arduino.They were introduced to Arduino Integrated Development Environment (IDE) and few Arduino based projects were demonstrated.

The fourth session was on Ideal project flow work. The fifth session was on Analog circuit building.And the last session was on Digital Circuit building. AT the end of every session Question Answer sessions were taken in which the attendees clear their doubts.

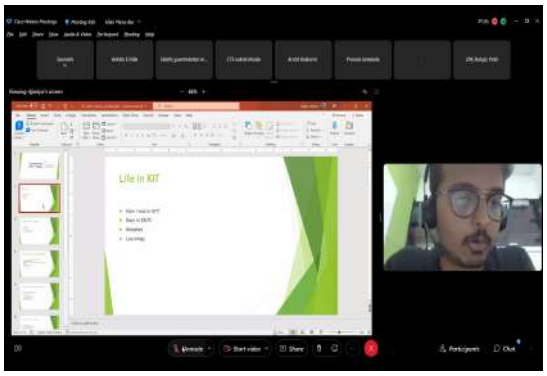
Alumin Interaction: Mr.Ajinkya Latkar

by *Mr. Sontakke M. D.*

The Department of Electronics and Telecommunication Engineering along with Innovation Club ETC and IETE jointly organized an Online Career Development interaction on the theme "Introduction to Embedded System and Future Opportunities" on 9 March 2023 through Cisco Webex Platform from 6 p.m. to 7 p.m. The Guest Speaker of the program was Mr. Ajinkya Latkar System Integrator at Philips , an alumnus of Electronics & Telecommunication Engineering KITCoEK.

Interaction started with welcome speech and introduction of guest by Mr. Shridhar Katwe coordinator Innovation club KIT which was followed by highly motivational lecture delivered by the speaker.The interaction was designed to guide and motivate the students to take up the correct career with full seriousness and in right sprit. The purpose of the event was to provide an opportunity for current students to interact with successful alumni and learn from their experiences. The alumni then began the session by sharing his experience working as a system integrator, and talked about the technical and interpersonal skills required for the job. He explained that a system integrator needs to have a strong understanding of both software and hardware systems. He also emphasized the importance of communication skills, as system integrators need to work closely with different teams within an organization. He discussed following points with students:

- Employment of embedded engineer
- Software and Hardware knowledge required for embedded engineer
- Industrial requirement
- Troubleshooting
- Embedded system in different domains
- Job opportunity in embedded domain



He also discussed following Key Takeaways:

- Work Experience: The alumni's work experience provided valuable insights for the audience, including the technical and interpersonal skills needed to succeed as a system integrator.
- Pursue your passion: The alumni encouraged the students to pursue their passion and not be afraid to take risks. They emphasized the importance of finding a career that aligns with their interests and values.
- Continuous learning: The alumni emphasized the importance of continuous learning and staying up-to-date with the latest trends and technologies in their respective fields. They advised the students to take online courses, attend workshops, and read industry publications to enhance their skills and knowledge.

The session ended with vote of thanks by the Team Member. The alumni interaction session was a success and provided the students with valuable insights and advice. The event was well-organized and provided a platform for students to interact with successful alumni.

Around 100 students from SY,TY and Final year were attended the program. Few questions from audience were taken up by the Speaker in Q & A session. The variety and range of questions raised by the students show that the participants too an active part in the program. The program was successfully coordinated by Innovation Club coordinators. Also Mr. Ajinkya Latkar visited the department and interacted with the students on 25th March 2023.

"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.

IETE Student Day Celebration and Inauguration of ASSET

by MRS. SHINDE A. A.

On the occasion of IETE Student Day on 17 February 2023 , a Guest lecture by Mr. Abhinandan patil was

organized by ASSET. Also an inauguration of ASSET was done. The event held at seminar hall of E&TC building on 17th February 2023. The event was organized to mark the beginning of a new things. As part of the event, a guest lecture was arranged on the topic 'Time management, Entrepreneurship development'. The guest speaker for the lecture was Dr. Abhinandan Patil. and this inauguration event is successfully done in the presence of HOD(E&TC), Dr. Nitin Sambre and Mrs. Ashwini Shinde and other faculty members.

Event started with welcome speech by Miss. Esha Shinde, where she introduced the guest speaker. After welcome speech, Mrs. Ashwini Shinde told everyone about ASSETS. How assets work, etc.

Then the felicitation of our guest Mr. Abhinandan Patil and the felicitation of core team is done. After felicitation ceremony, Mr. Abhinandan sir began his speech on entrepreneurship and time management. He emphasized the need for setting priorities, Planning and organizing task.

He also discussed the key points of successful entrepreneurs and the importance of developing an entrepreneurial mindset. Also he spoke about the various challenges faced by entrepreneurs, such as market competition , funding ,and scalability. He also shared his personal experiences and insights on how to overcome challenges and turn them into opportunities. The students were impressed by his spirit and examples he shared. The lecture was followed by an interactive Q&A session, where the attendees asked some questions related to lecture and Dr. Abhinandan Patil sir answered each question with enthusiasm and provided practical and insightful advice. The event ended with a vote of thanks by Miss. Esha Sarnaik, where she expressed her appreciation for everyone who made the event a success, including the guest , the faculties , team members as well as the audience .

.Pioneer-2023-The MindSpark

by MRS. SHINDE A. A.

The Mindspark event was held on April 24, 2023, at the Department of Electronics and telecommunication, in the presence of the Head of Department and all other faculty members. The event started at 9.45 am with a brief introduction by the Head of Department Prof. Nigavekar sir about the Assets Committee, followed by the President's welcome address. The event consisted of three rounds. The first round was a general paper pen aptitude round. The participants were given a question paper to solve, and they had 30 minutes to complete it. After the completion of the first round, a break was given to the participants, and food coupons were distributed to each of them.

From the first round, 20 groups/individual participants were shortlisted for the second round. The second round was a surprise buzzer round, where questions were displayed on the screen, and the participants had to answer them by buzzing first. The second round lasted from 11.00 am to 12.00 pm. From the second round, five groups were shortlisted for the third and final round. The third round started at 12:20 PM. For the third round, Mr. Bipin Jirge was the guest and also the judge for the final round. Sontake Sir was also a judge for the third round. The third round was the Presentation Round,where the participants were provided with a topic, and they had to present their topic solution in front of the judges with the help of a PowerPoint presentation.

The judges shortlisted two winners out of five participants in the third round. The winners were awarded certificates and cash prizes for their achievements. At the end of the event, the President Ms. Keshavi Wakharekar gave a vote of thanks to all the participants, judges, and faculty members, committee members for making the event successful.

In conclusion, the Mindspark event was a huge success, and the participants enjoyed all the rounds. The judges were impressed with the presentations made by the participants, and they found it challenging to select the winners from such talented participants. Overall, it was an excellent event that showcased the skills and talents of the participants and brought the department together.

Woman's Day Celebration

by RS. A. A. SHINDE

Department of E & TC along with ASSET organizes "International Women's day celebration" March 8th ,2023 A International Women's day celebration was held at ETCR-01 classroom of E& TC building at 3:00 pm ,the event was organized to encourage and mark the notable success of womens. As part of event , started with felicitation of our new head of department, Prof. A. R. Nigavekar.Then short speech delivered by Mr.Shrinikeet Rajmane was successfully done in presence of all faculties members and students. Celebration started with welcome speech by Shrinikeet rajmane, along with him Miss Sakshi Khade accompany the presence of all by anchoring .

After welcome speech,short drama was played which was based on "women empowerment" by Miss.swarupa, Miss Adhira and team .After drama ,a short video was played by showing milestone achievements of all successful women in their respective fields.

After video ,"First come , first preference" activity took place ,which was entertaining and also response – seeker and participates enjoyed a lot .After activity ,a short video explanation was delivered by Miss. Priya Sharma which provided latest information about "Inspirational women of 21 st century" .Prof. S. R. Chougule and Prof.M. R. Dixit both were requested to shared their thoughts on "Women enhancement" . The students were felt truthfulness by their words and the way they delivered .

Felicitation of courageous women students who have great achievements in their respective fields felicitation, by encouraging students participates , talent show was held which was followed by various talents performed by participates. The event ended with short poetry on " Just be Yourself,Womens" by Miss. Eesha Shinde, where her performance put emotions within event which was followed by vote of thanks by Miss. Sakshi Khade , where she appreciated students, faculties and team members presence.

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 Arduno or Raspberry Pi based projects are 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 27th May 2023 CLPBL day was celebrated in which Mr. Girish Bartake (Owner of Microtech, Kolhapur),Prof. A.S.Patil Dean Academics,Dr. Mohan Vanrotti Direcor KIT were present. "Porcupine tank" project by Mr. Vibhav kashid ,Miss Bhoomi Lingras and Mr. tejad nandurkar T Y ETC as well as "Hybrid Inverter" by Miss. Sweta Bankapure, Mr. saurabh Bhatmare and Miss. Sanika Devkar from SY ETc Engg.were appreciated by all the dignitaries present. The participation certificate were issued to all the project group members.

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 Op-amp Applications Design,Simulation and Implementation (IISC Banglore) in January 2023.

Student Achievement

by Mrs. Gangapure M. V.

Mr Abhinay Vijayrao Shahare and Shreyas Sunil Patil (Final Year, ETC) had won prizes in various events.

- Secure 1st prize in National Level Project Presentation Competition held at Ashokrao Mane Group of Institutions Vathar under ETC department.

- Secure 2nd Prize in National Level Project competition at Walchand Institute of technology, Solapur.

- Participated in National Level Project Competition At Don Bosco Goa.

- Published Project Review Paper of mega project topic entitled "Transmission Line Fault Monitoring Sysytem Using IoT" in IJNRD Jornal.

Mr Vaibhav Kashid and Team (Third Year B Tech) had won prizes in various events.

- Vaibhav Kashid, Aniket Lad, Shubham Gaikwad, Mayuresh Chikode won 2nd Prize in Avishkar'23 at Government College of Engineering, Karad

- Vaibhav Kashid, Aniket Lad, Shubham Gaikwad, Mayuresh Chikode won 1st prize in Spectrum 2K23 at Dr. DaulatraoAher College of Engineering, Karad

- Vaibhav Kashid, Tejas Nandurkar, Suraj Patil, Deshbhushan Chougule won 2nd prize in Innovision at JSPM's Rajarshi Shahu College of Engineering,Tathawade, Pune

- Vaibhav Kashid, Tejas Nandurkar, Bhoomy Lingras won 3rd Prize in Prakalp at KIT's College of Engineering,Kolhapur

- Vaibhav Kashid, Bhoomy Lingras won 2nd Prize in Technosis 2023 at Department of Technology (DOT), Shivaji University, Kolhapur

- Vaibhav Kashid, Bhoomy Lingras won 2nd Prize in technix 2023 at Don Bosco College of Engineering, Goa

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.

1. Ms. Manasi Madhukar Gadve has been selected for Intership at Chinang Mai University Thailand.
2. Mr. Shridhar katwe has been selected for IITD - Foundation for smart manufacturing at IIT Delhi
3. Mr. Sanket Kendre and Mr. Shantanu Patil has been selected in TATA Power.
4. Mr. Sidhhesh Atnoor has been selected in Syntegon Technologies
5. Mr. Phalke Nishad, Deep Vasadekar,Patil Sakshi,Keshvi Wakharekar,Madhura Walvekar,Ankita Patil,Ameya Hajare and Mr. Atharv Rasal has been selected i Knorr Bremse technology center India

Internship at IIT DELHI - AIA FSM

by Mr. Shridhar Katwe

I have read a quote in the article written by my senior, Ms. Samruddhi Joshi which said that, “In this lab, mistakes are expected, respected, inspected and corrected.” In her article on Internship. I came to know about an organization in IIT Delhi which works in the domain of Smart Manufacturing. And I took follow-ups to do an internship at IITD-AIA Foundation for Smart Manufacturing Lab.

When I stepped foot onto the campus of IIT Delhi and entered the FSM lab, I was amazed by the state-of-the-art facilities and cutting-edge machinery. It was like nothing I had ever seen before in any facility center! Those six months I spent there were absolutely mind-blowing, to say the least. I had the opportunity to solve & think on a variety of projects and project cases during that time.

Let me tell you a bit about the Foundation for Smart Manufacturing (FSM). It’s a joint initiative between IIT Delhi, the Automation Industry Association, and the Ministry of Heavy Industries.Their mission is to revolutionize manufacturing processes for micro, small, and medium-scale industries by implementing Industry 4.0 technologies. What’s so cool about Industry 4.0 is that they’re way ahead of the conventional machines. They’ve got the cyber-physical systems where everything is interconnected. You can control and access them not just from their control panels and HMIs, but also through various IoT apps and websites. These machines can even interact with each other and make various decisions while they’re

doing their work. It's like a futuristic sci-fi movie come to life! You can place orders, keep an eye on the machine's status, and even troubleshoot it remotely. And even, you can train operators using augmented reality applications. How cool is that?

To achieve all these mind-blowing milestones in the industry, we employ a bunch of modern technologies in our lab. We're talking about industrial automation, industrial IoT, robotics, augmented reality, virtual reality, machine learning, manufacturing execution services, and so much more. It's like being a kid in a candy store for tech enthusiasts like us!

Personally, I decided to dive headfirst into industrial automation and industrial IoT. I had the chance to meet fellow interns from e very nook and cranny of India, each with their own unique expertise in different technologies. My major project was about cyber-physical assembly machines, where I had to integrate a color sensor with a PLC. Let me tell you, learning PLC programming (ladder logic and structure text) was no walk in the park, but it was incredibly rewarding after learning. Additionally, I acquired hands-on experience in implementing and utilizing various machine-to-machine communication protocols like PROFINET, PROFIBUS, Ethernet/IP, OPC-UA, MODBUS RTU, and MODBUS TCP. It felt like I was speaking a secret language of machines!

One thing I realized during this experience is that having a solid foundation of fundamental knowledge in our field is always an added advantage. As an ETC engineer, I was able to grasp the intricate communication between machines and controllers from the very basic level of communication. Our interdisciplinary project work even exposed us to other domains, and I got some mind-blowing insights into augmented reality, virtual reality, and robotic applications. thanks to my talented intern friends. And because of my background in MATLAB, I was assigned another project that involved transforming a conventional legacy machine into a smart machine by adding a bunch of sensors. We even developed some machine learning algorithms for predictive maintenance of the tool life with some M.Tech Students. Talk about being on the cutting edge of technology.

All in all, my time working in this advanced organization was nothing short of phenomenal. The internship I had at IIT Delhi FSM was truly an extraordinary adventure,full of knowledge and learning experiences. I'd like to express my heartfelt gratitude to my mentors, Mr. Arun Kumar and Prof. Sunil Jha, for providing me with such an amazing platform to showcase my skills and talents.

Internship at Chiang Mai University

by MISS. PRIYANKA GUNDEWADI

Thailand, land of smiles, is one of the most beautiful places I have ever seen. I came here in 1st week of February for my research Internship in Chiang Mai University. It is hard to describe the beauty and grace of Chiang Mai. Temples, Natural beauty, Rich cuisine, religious harmony, Chiang Mai has everything to give tears of happiness and ecstasy.

Above all, The People, here people are as sweet and kind as your thoughts can comprehend. Temples are here appealing and as pretty as a picture.Thai people are setting a standard on "how to conserve and protect your culture".The way they greet is itself adoring. When men greets they says "SAWADI KRUB" and women says "SAWADI KHA". While greeting they put their both palms and fingers together, same as Indian way, and bend or bow little bit. This gestures itself is enough to make you feel honoured.

Chiang Mai University is beautiful and diverse. I am working here as a research intern in the domain of smart farming or sunspace project. Thailand is committed to transform make their farmers a smart farmer. My working place is not inside the campus of Chiang Mai University but near to campus. There is place called Innovative Village. Innovative village is part of Chiang Mai University and it is dedicated to give funding to new start-ups and innovation. I am here working in KIRLY group of innovative village. Fortunately, I am not alone I got a fellow companion with me from our college. This internship of ours has duration of 3 months.

We have been given a task to find the smart way to dry the herbs and fruits. After researching the various ways we came up with a solution. We are making solar powered smart dehydrator. After making this we will be connecting it with the Internet of Things platform so the farmers can monitor and control the device easily and effectively.

The working environment is good and everybody is motivated to work here. Sometimes work load is little bit more but there are great places to go at evening to give some freshness to your mind.This place will give you a lifetime experience and after leaving this place your mind and body will definitely crave to go back.

The best way to indulge with the local people is to try to learn about their gestures and culture. They will always appreciate your efforts. Most of the time in Thailand there will be warm weather and in summer it will be extremely hot. Southern Thailand is comparatively hotter than northern Thailand. Since Chiang Mai is in North Thailand, the temperature here is moderate.

Internship at Knoor Bremse

by MISS KESHAVI WAKHAREKAR

Myself Miss. Keshavi Abhijit Wakharekar and I am studing in the final year ENTC Engg. My internship at Knorr Bremseis endured for six months, from 10 January 2023 to 30 June 2023. There are 22 of usfrom our college including students from ENTC, CSE, Mechanical Engineering, MBA, and M.Tech department of KITCOEK. One of the top product-based companies, Knorr Bremse is headquartered in Germany and serves a large region of customers worldwide.

My time at KBTCI has been really overwhelming. A new employee starting a career in Core must work in a technical-strong setting. One can access a variety of components here at KBTCI without any constraints. DSO, a function generator, a power supply, a source meter, and others are a few of the components. Additionally, you become quite familiar with simulation tools like PSpice, LT Spice. Apart from this one can get hands on training to PCB layout design tool like Mentor Graphics.

My manager is Mr. Bakul Sadsania, and my team leader is Mr. Nachiket Wawoo. I work in KBTCI's hardware rail department, RD3.3. I am a member of the Power Board (PB) Sub-division of the eLADEP project. I was expected to engage in enjoyable and educational tasks during the first stage of my internship, such as putting a circuit on a general-purpose board, watching waveforms on a DSO, using a hand multimeter, and revising documentation and calculations related to schematics.In the second month of my internship, my Team Leader began assigning me real project work, and my very first task was to

use an Arduino nano to generate a variable PWM pulse with a 50% duty cycle and show the results on an LCD (16*2). Everyone in this place is really supportive and always willing to lend a hand.

Recently, I was given responsibilities for the Power Board. The manufacturer was also unable to remedy a problem with a 5.6uF capacitor on the PB board, which prevents a full discharge. I was tasked with finding the problem's solution, and with the assistance of my mentor, Mr. Santosh Jadhav sir, I was successful in doing so. I received a Keep it up award for the same, and I will shortly offer my answer to the Power Board maker.

I have to mount and test the new POSPG circuit in the eLADEP POP board simultaneously. In addition to this, I also carry out BOM analysis and keep track of the PB-related paperwork. I am enjoying myself here. Here, everyone is quite cordial. It's a pleasure to work at KBTCI.

Placements

Mr. Patil E. C.

Sr. No.	Student Name	Company	Package
1	SOURAV MANOJ MALVADKAR	Global Quest	3
2	ADITI DATTARAYA DESAI	Global Quest	3
3	KHOT SIDDHESH KRISHNAT	Global Quest	3
4	DIXIT PRATHAMESH NITIN	Tech Mahindra Ltd.	5.5
5	JADHAV SIDDESH MOHAN	Adani Group	6
6	JAYBHAYE PRANEET DNYANOBA	Adani Group	6
7	JADHAV AVINASH VILAS	Adani Group	6
8	GADAVE SHAILESH BABURAO	Adani Group	6
9	JOSHI SOURABH RAVINDRA	Elcom Marine	4.5
10	GAVALI CHETANA ARVIND	Brose Automotive	4.2
11	PATIL AISHWARYA BALKRISHNA	Tata Power	6.6
12	PATIL VAISHNAV DATTATRAY	Tata Power	6.6
13	KHOT SIDDHESH KRISHNAT	Centelon	4.5
14	KOPARDEKAR ROHINI KRISHNAT	Centelon	4.5
15	KUMBHAR SHWETA SUBHASH	Jabil India Ltd.	3.5
16	JOSHI SOURABH RAVINDRA	Jabil India Ltd.	3.5
17	PATIL ANIKET ARUN	Jabil India Ltd.	3.5
18	PATIL RAVINA SUJITKUMAR	Jabil India Ltd.	3.5
19	PATKURE SHEETAL ARUN	Jabil India Ltd.	3.5
20	Gangdhar Sneha Vijay	Jabil India Ltd.	3.5

Placements

Mr. Patil E. C.

Sr. No.	Student Name	Company	Package
21	PATIL ROHINI RAM-CHANDRA	Jabil India Ltd.	3.5
22	PATIL-GURAV MAYURI PRADIP	Jabil India Ltd.	3.5
23	SHINDE VAISHNAVI NAMDEV	Jabil India Ltd.	3.5
24	CHANDURE SHIV-SHANKAR JOTIRAM	Jabil India Ltd.	3.5
25	JADHAV SHIVANI SUHAS	PARI Automation	3.5
26	KATE AISHWARYA SAN-TOSH	PARI Automation	3.5
27	MAGDUM ABHINANDAN JITENDRA	PARI Automation	3.5
28	PARIT NANDINI SURESH	PARI Automation	3.5
29	REDEKAR SNEHAL ARUN	PARI Automation	3.5
30	SAWANT RUCHITA SHREEKANT	PARI Automation	3.5
31	KANE SNEHA VILAS	Crest Test Systems	3
32	GIRAM GANESH MA-HADEV	Crest Test Systems	3
33	JADHAV ANJALI PRADEEP	Gestamp Automation	4
34	PATIL HARSHADA HIM-MAT	Gestamp Automation	4
35	PUJARI SHASHIKALA NINGAPPA	Gestamp Automation	4
36	BENDAL ARPITA AJIT	Gestamp Automation	4

In Pics

Teacher parents Meet-2023

Final Year Students AY:2022-23

OUR ESTEEM RECRUITER

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

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