



Newsletter

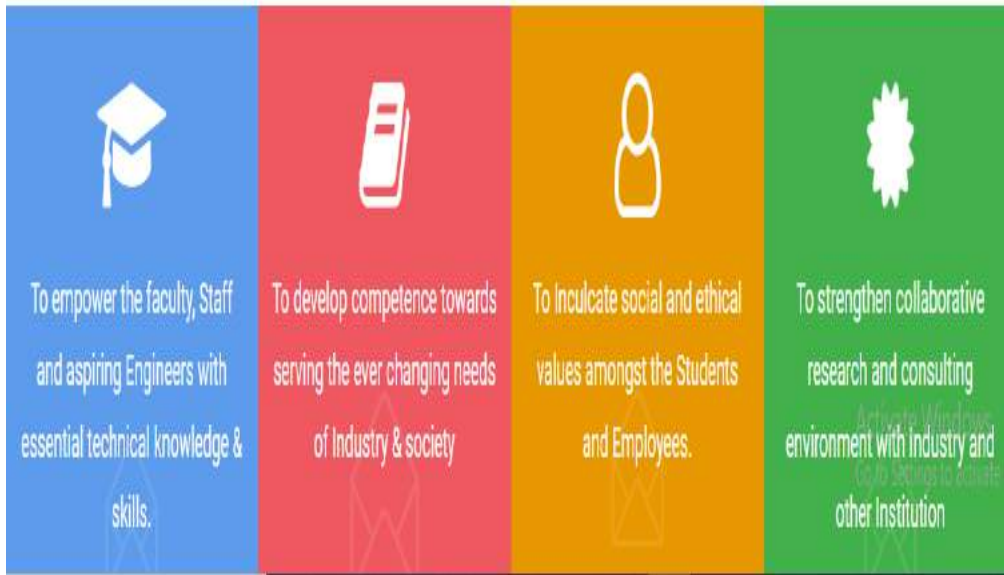
Department of Electronics & Telecommunication Engineering



Vision

To be the center of excellence in technical education and preferred choice of students, faculty, industry and society

OUR MISSION



Highlights

- *Activities Conducted*
- *Professional Club Activities*
- *Alumni Interaction*
- *Internship*
- *Students Achievements*
- *Staff Achievements*
- *Placements*

From HOD's Desk



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. Students consistently feature among the 'top rankers' at the university level. Besides they have also been performing well in competitive exams like GATE, TOFEL, etc. Many of them have made a mark in reputed companies at the national and international level.

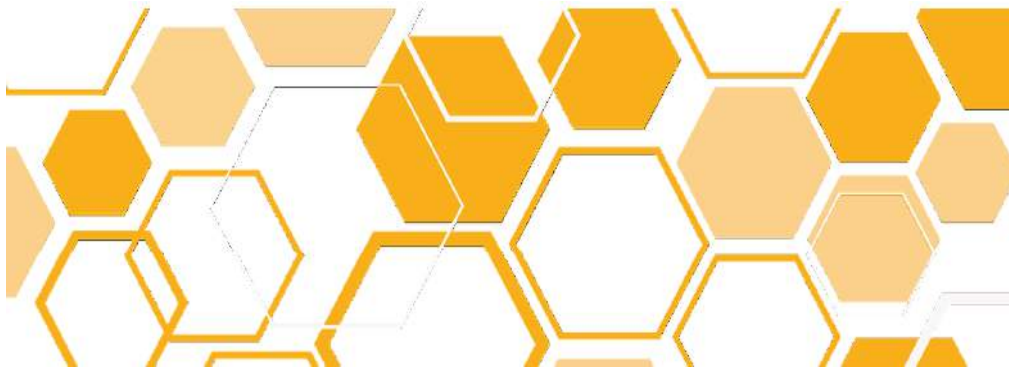
It regularly conducts various courses to keep pace with the dynamics of change by teaming up with various reputed institutions and organizations. At KIT, Research and Development is an integral part of every academic discipline. Our R&D efforts to advance and widen the knowledge base prove beneficial to both the faculty and students. We believe that there's nothing like 'education that finds a direct applica-

tion in the industry', and we aim to provide just that with industrial visits, study tours and specific workshops as well as providing internship in various industries. 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. It regularly conducts various courses to keep pace with the dynamics of change by teaming up with various reputed institutions and organizations.

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 Technologies Pune, Capgemini, Wipro, eInfochip Pune, Global edge Bangalore SIEMENS, HONEYWELL, BEL, BARC etc.

Dear friends and well-wishers of KIT's college of Engineering, Kolhapur, I am happy to present the May-2022 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.

Dr. N. B. Sambre



"Startups in Electronic and communication field " Guest Lecture

by MR. PATIL K. V.

The Department of Electronics and Telecommunications Engineering had hosted a guest lecture on "Startups in Electronics and communication field" for second year students on April 5, 2022.

The guest speaker was Dr. Prasanna Sharad Karmarkar. He is currently working in the Department of Computer Science in Department of Technology, Shivaji University, Kolhapur.



He has 8 years of teaching experience. The guests were welcomed by Dr. NB Sambre, Head of the Department. Prof.S.R. Lad briefly introduced the chief guests. The term startup refers to a company in the first stages of operations. Startups are founded by one or more entrepreneurs who want to develop a product or service for which they believe there is demand. These companies generally start with high costs and limited revenue, which is why they look for capital from a variety of sources. Dr. Prasanna Karmarkar informs the student about start-up understanding, location tracing, revenue generation, funding agency, approach building for start-ups in college days.



He provided informative answers to students' questions about startups. Prof.K.V. Patil give vote of thanks and program was concluded.

"Two day Workshop on Arduino"

by MR. JADHAV ROHAN

A Two Day workshop on Arduino was organized by Department of Electronics & Communication Engineering, on 6 March and 13 March 2022. The workshop was organized for Second Year students. All the students of II Year- ECE actively participated in the workshop. The main objective of this workshop was to provide the fundamental knowledge of Arduino Processor with hands on practice. The topics covered in the workshop include – Hardware and Software Programming. Along with this following topics were covered in the workshop

1. Introduction Other Hardware Platforms - BBB, Raspberry Pi etc
2. Introduction to different Sensors – Ultrasonic, IR, LDR, Flex etc
3. Proteus Introduction
4. Basic Electronics Circuit simulation in Proteus (PULL UP , PULL DOWN)
5. Introduction to Arduino IDE
6. Basic Coding in Arduino.(Digital & Analog & Serial Communication)
7. LED Blinking using Arduino in Proteus
8. Sensor interfacing with Arduino
9. Ultrasonic with Application
10. IR Sensor with Application

The outcome of the workshop was in the form of implementation of a sample working project. The workshop was conducted by Alumina of department Mr. Rohan Jadhav.

Overseas Education

by MRS. M. V. GANGAPURE

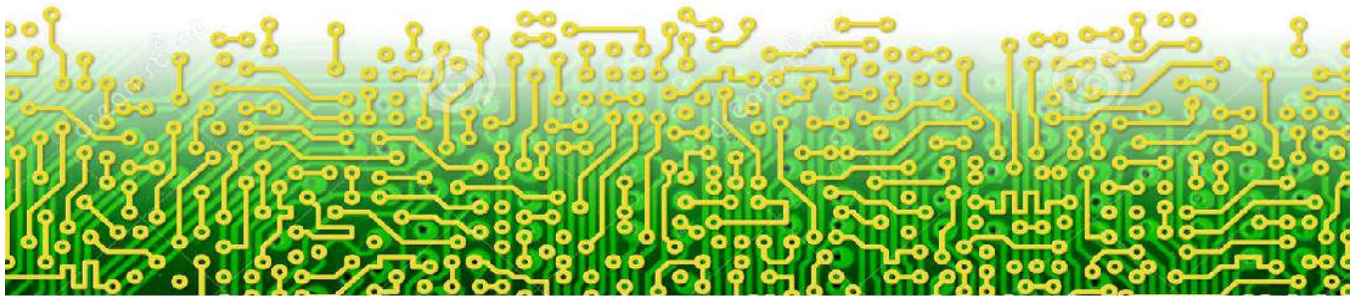
The Department of ETC Engg.had organized a seminar on 'overseas education' on the department campus here on 11th March 2022, to give students a feel about the global education scenario and the opportunities available. The objective of this seminar was to throw light on the plethora of opportunities that are available for the students to pursue their studies abroad.





The resource person was Ms. Pallavi Desai has vast experience in Training the students for GRE and TOFEL exams. Dr. N. B. Sambre, Head of Department welcomed Mrs. Pallvi Desai by offering bouquet. The seminar is focused on various aspects pertaining to education abroad. It gives the students familiarity with global issues, education system in countries such as US, UK and Australia, ability to communicate in multiple languages besides

simultaneously pursuing education/employment while studying in foreign universities. This seminar would help students to know the skills required for working effectively in global and cross cultural environment besides using information from different sources in the world. Students will come to understand about the course/career options available in engineering and management programs. The seminar highlighted the various Opportunities in Higher Education. The resource person Ms. Desai enlightened the students with the various opportunities of pursuing higher studies in the different countries and their requirements. She gave an overview of the exams that are GRE and TOFEL to be undertaken and the factors to be considered to admission process. She also gave a glimpse of newer course programs and its future scope. She kept the students involved in the conversation by sharing his expertise and experience in this field. Nearly 60 students from the TY and Final year B Tech ETC actively participated.



Innovation Club KIT Activity

by Mr. Shridhar Katwe

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.



■ Objectives:

- To create awareness, educate, nurture and inculcate a culture of innovation amongst the engineering student.
- To enable them to generate new ideas and become more innovative.

■ Roles:

- Enrolment of students as Innovation club member and allow them to work on innovative project.
- Periodic activities like Hand on sessions , workshops and competitions to keep the spark of creativity, innovation, design alive and thriving in students.
- Guidance for the development of innovative scientific solutions to solve everyday problems.
- To provide technical support in the form of basic tool, shackles, equipment, raw materials and project manual/report.

■ Committee Members:

- President: Mr. Aniket Gade
- Vice president : Miss Aishwarya Patil
- Technical Head: Mr. Shridhar Katwe
- Technical Members: Atharv Rasal, Pra-
neet Jaybhaye,Archit Kulkarni, Aniket
Lad, Neha Chothe

As well as many students from TY E&TC Engg students helps to make this activity successful.



Through this club, the Third year students had organized two 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.All sessions were conducted by Mr. Sridhar Katwe, Miss Aishwarya Patil, Mr. Atharv Rasal and other technical members of Club.

■ Session 1: Getting started with Circuits.

1. This season consisted of 5 sub-sessions.
2. This session was designed as a primer on the field of electronic circuits. The students were introduced to the fundamental concepts of electronics Engineering.
3. Breadboards are introduced, and the students were experimented with simple components and build several simple circuits.
4. Finally, the students were learned the basics of soldering, and assemble a permanent first prototype of your circuit.

5. The students were introduced to the different circuits of each component. The Club provided a few components to the students to see what is inside that component.
6. One hands-on session was also conducted in which, around 30 students made their own transistorized circuits & enjoyed learning with their friends.



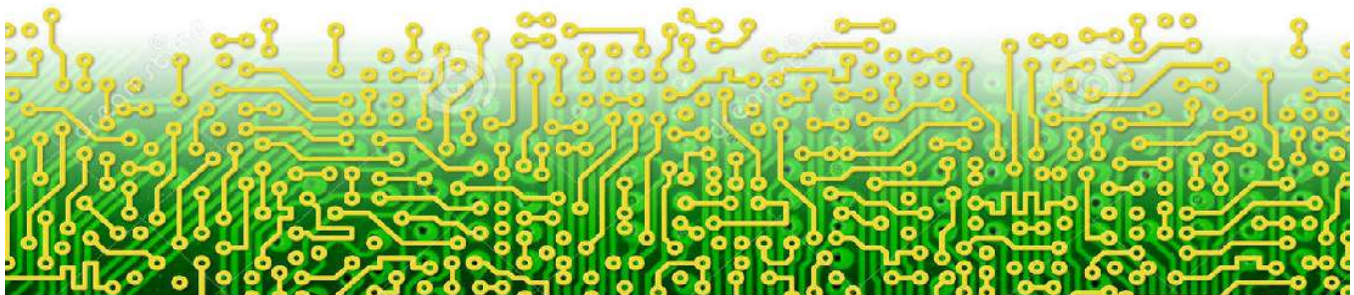
■ Season 2: (Microcontroller based Applications)

1. This session introduced the students to the world of microcontrollers that do a specific task by interfacing hardware and software together and writ-

ing code which will interact with the outside world.

2. It was based on the introduction to the various Microcontroller based applications.
3. The technical team of Innovation Club gave deep insights of Arduino as a microcontroller, basic arduino projects, and various connections & programming methods that one needs to understand while making a project.
4. One hands-on session on IoT system design was conducted at the end.

Total of 60 Students benefited from this Activity. It was scheduled twice a week from 4:30 to 5:30 pm (after college hours).



Alumni Interaction

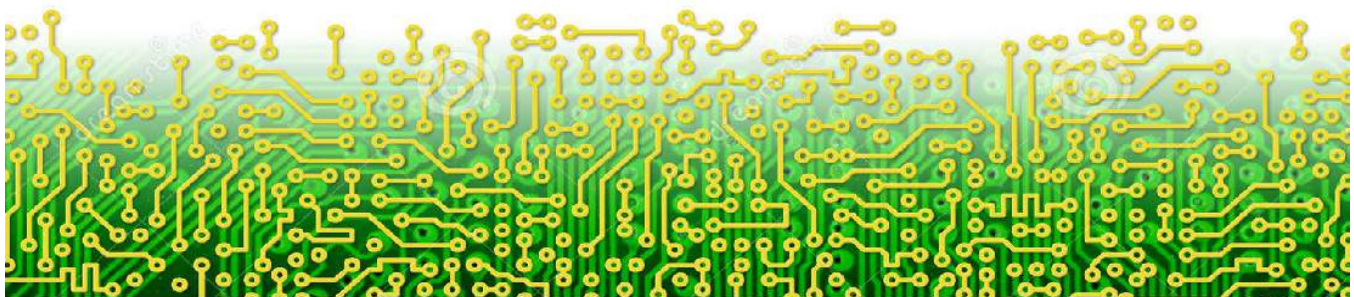
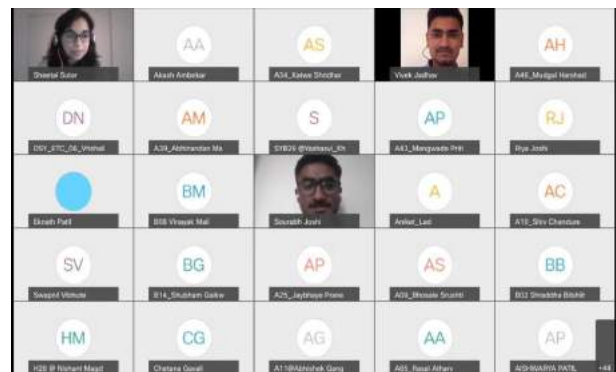
by MISS AISHWARYA PATIL

Innovation Club KIT had organized Alumni Interaction on 30 January-2022. Miss. Sheetal Sutar is alumna(2014 Batch) of Department of Electronics Engineering K.I.T.'s College of Engineering (Autonomous), Kolhapur.



She well explained the students the new area of work in semiconductor chip designing and manufacturing, job opportunities and role of Electronics engineer in this domain as well as what students should do to reach there. She also elaborated the job opportunities in networking domain. It was a very interactive session and the students clarified their doubts in Question answer session. This session is also available on Youtube. For further references see <https://youtu.be/6zauN91dJGQ?t=420>

She is currently working as a RTL Designer Intel Co. Ltd. Bangalore focusing Chip Design. A vary interesting and fruitful interaction take place with all SY, TY and Final Year students. She discussed following points with the students. The session was conducted online on Webex Platform. The discussion starts with the difference between hardware and software engineer with job perspective. Sheetal suggest the students to choose the domain in which they want to work and progress. She also added that Employment of hardware engineers is projected to grow now a days and there is lots of opportunities in research, chip and system design.



Industrial Visit

S Y -Tomato-FM

by MR. SONTTAKKE M. D.

The SY BTECH students of E&TC department (Division A and B) had visited to tomato FM station on 8 May-22 as a part of the syllabus.



Prof. Mandar Sontakke, Prof. Anil Mohite and Mr. Saurabh Kale was with us as a faculty Coordinator. Students were very excited to receive all the knowledge regarding how the tomato FM works. Student's enthusiasm raised as they entered in tomato FM station. There were different sectors such as marketing, editing sector, commercial sectors along with technical room.



Student to know more about signal transmitting and receiving, post modulation, role of mixer before transition

of signal and separation of voice and carrier. For the detailed information, they demonstrated recording in front of students with the help of some students who were good in singing. Students also came to know how modulation of signal occurs. They cleared all doubts and queries regarding FM modulating signal and its modulation and all the students of SY class 1 left tomato FM station with more information and satisfaction.

Final Year B Tech-Wipro PARI

by MRS. GANGAPURE M. V.

Industrial visits are an integral part of Engineering Education. The purpose of industrial visit for students is to keep abreast with the technological development in the industry and to understand the gap between the theoretical and practical knowledge that could be passed to the society. In addition to that, they get an opportunity to gain in-depth knowledge about the manufacturing industry.



Industrial visit was carried out at WIPRO PARI (Wipro Precision Automation & Robotics India Pvt. Ltd.) Mumbai-Katraj Bypass Road, Katraj, Pune on 14th May 2022. The main objective behind the visit is to make student aware about the importance of automation and the level of its penetration in the field of Electronics Engineering. Prof. A. R. Nigavekar, Prof. V. K. Desai and Prof. M. V. Gangapure from Department of Electronics Engineering along with students of B Tech final year left for visit at 7 a.m.



The company is located in Katraj Bypass road, Ambegaon Budurk Katraj. Mr Deepak Wani-Admin Manager coordinated the visit. First the students were made aware about the significance of automation, how it's need was felt and how it is useful in reducing waste, factory lead times and production cost. Wipro PARI is one of the fastest growing automation Company. The company possess a rich experience of over 2 decades in providing automation solutions to Indian and overseas industries making them leading service provider. Introduction took almost an hour which was followed by detailed explanation of automation process along with questions of students.

Students enjoyed the Delicious lunch offered by the company in the canteen. We appreciate staff member who guided students by guiding each and every question with detailed answers. It is rightly said that "See & know" is better than 'read & learn'. Students got a real feel of how the entire Automation system. It was a chance to transfer their theoretical knowledge to practical implication.



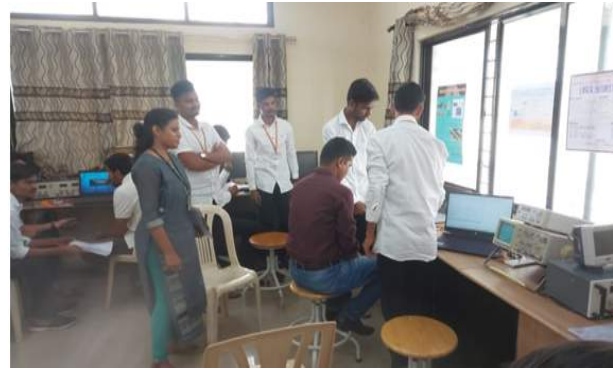
They got to know how the manual handling of large electrical equipments can be replaced by automatic handling saving time and man power. This will benefit students in understanding the subject matter clearly in future also. We along with student would like to extend our gratitude to the company for the permission and support they gave to make our visit a success.

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.

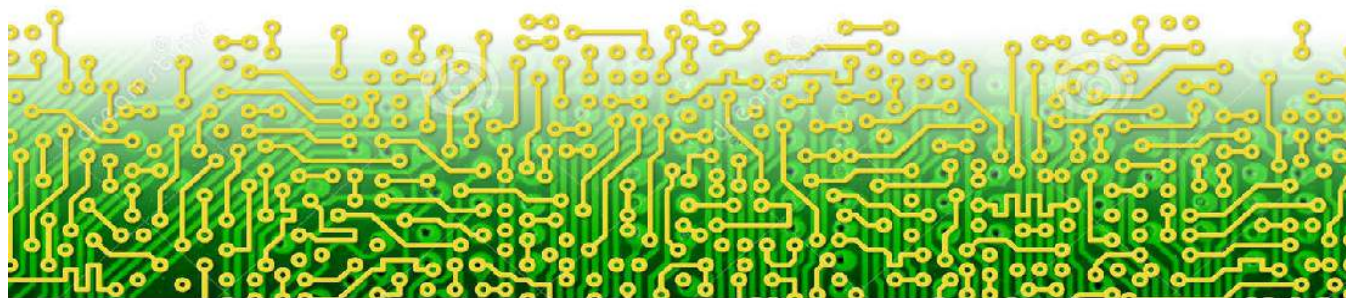


This can take shape in a variety of different ways. For example, a problem-based learning project could involve students pitching ideas and creating their own business plans to solve a societal need. Students could work independently or in a group to conceptualize, design, and launch their innovative 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 Linear integrated circuits using Arduino or Raspberry Pi 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 9th April CLPBL day was celebrated in which Mr. Dhiryasheel Patil (Director, Vidhyati Technologies, Kolhapur), Prof. A.S. Patil Dean Academics, Dr. Vilas Karjinni Executive Director were present. "Wasp Sucking Machine" project by Miss Aishwarya Patil, Mr. Atharv Rasal and Mr. Shridhar Katwe T Y ETC Engg. was appreciated by all the dignitaries present. The participation certificate were issued to all the project group members.



INTERNSHIP

by MR.GUNDAVADE V. D.

An Initiative of the Department for International Relations

The Internship activities are taking good shape. To expand the global opportunities to our students K I T's College of Engineering in collaboration with Chiang Mai University, Thailand offered 3 months Summer Internship to two of the students Mr. Piyush Tiwari and Mr. Amarsingh Desai from Finay Year E & TC department. The main objective of department of International relations to make knowledge accessible to the students while persuing their education at KIT from across the globe under the expertise of international faculty and industrial personnel. The advantages of Foreign University Internship are

1. Students get exposure to state-of-the art facilities.
2. They develop cross-culture skills and sensitivity.
3. They get motivated to go for Masters program.
4. Global experience boosts their confidence.
5. Exposure to foreign University environs enlarges the vision of students.
6. This experience adds value to student's CV.

The E & TC department as well as College management had provided required facilities and help in all regards to the students.

Internship at Chaing Mai University

by MR. PIYUSH TIWARI

Thailand, land of smiles, is one of the most beautiful places I have ever been. I came here in 1st week of March 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. This article is not enough to define Chiang Mai to know more you need to explore by yourself. I am still doing it.



Internship at IIT Delhi AIA-FSM

by MISS SAMRUDHI JOSHI

I have read a quote somewhere it says that, "In this lab, mistakes are expected, respected, inspected and corrected. "And I can totally relate this quote with the IITD-AIA Foundation for Smart Manufacturing Lab & entire FSM team. In the Covid & lockdown period, I was learning about some new things & was searching for different opportunities for internship and various learning experience.

Then I came across this internship with the help of LinkedIn platform. I applied for the internship & after some basic training and quizzes conducted by them, I got the chance to work on the project in industrial automation domain. When I joined this internship, the experience was wonderful and I got to know that online learning can be this much interesting and understandable. I have worked for the industrial automation domain under the mentor-ship of Sunil Jha Sir (Director IAFSM) and Arun Kumar Sir (Project Mentor).

From the training phase till the project completion it was very memorable experience, and I got to know more about the concept of industrial automation as well as PLCs. I have created a website from which one can access the PLCs present in the FSM Lab and can download the program code for the implementation. For this project, I have learnt various applications and software. 936 candidates have applied for the same from that only 82 interns completed all the stages of the project internship successfully. And from that, 35 candidates were selected for presentation in front of jury members. And in the end of Internship, 10 interns got the best project award for completing the project internship and working on the live projects with worth Rs. 5000 and certificate of apprecia-

tion. After the summer project internship I got the chance for winter internship with stipend in the technical content creation and web development domain.



And in winter internship I have designed a website for the FSM which is available live and have all the necessary information about IIT-AIA-FSM. The website's domain link is www.iafsm.in. The knowledge and experience I have gained from this internship has helped me a lot in my educational enhancement, and for placement preparations.

I appeal all the tech enthusiasts and students to grab the opportunity and learn something innovative about various leading and trending technologies with great mentors in FSM. I am very glad about this amazing learning experience. Thank you for providing me the chance to share my experience.

Internship at Semi design

by MR AKASH AMBEKAR

Internship is an important part of the education system which enables students to consolidate the knowledge gained from practical and theoretical courses by various field experiences and implementations. I always been a keen enthusiast in VLSI, Semi design provided me with the path to build me up from an enthusiast to an engineer in VLSI domain. Something about Semi design now . Semi Design is a service as well as a training company, headquarter based in Greater Noida. It is a part of Ministry of MSME, Govt. of India. They are following the mission Atmanirbhar Bharat & Digital India Campaign. It started with a very strong idea to train and get innovation by individuals. Semi Design provides services in:

- RTL Design & Verification
- Circuit Design
- IC Layout Design
- VLSI Training

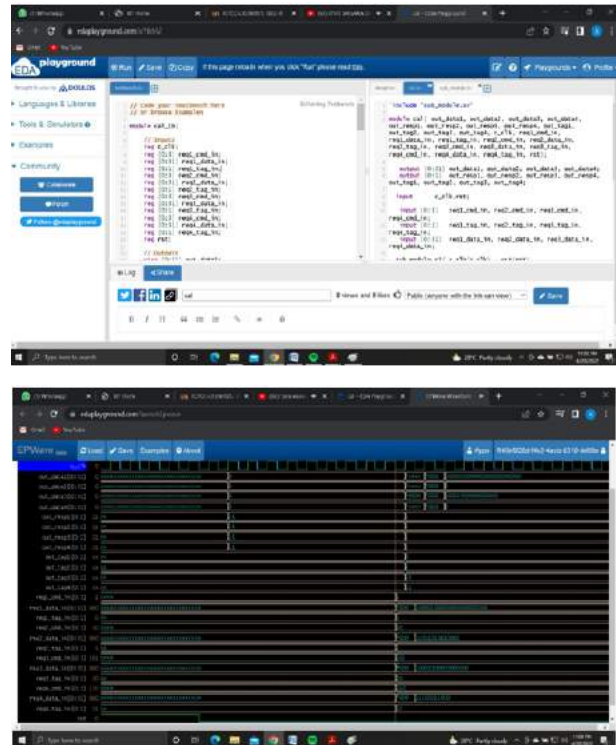
I have done the internship in VLSI Training for six months (4th December 2021 to 25th April 2022) in which Ms. Chanda Prashanthi was my Industry mentor who constantly provides technical guidance also helps in Design project . As a Design & Verification Intern I have completed following role & responsibilities:

1. Designing the digital circuits based on design specifications
2. Writing the Verilog/SystemVerilog code for digital circuits
3. Writing the Verilog/SystemVerilog code based on design specifications
4. Writing testbenches for the RTL codes & verify the outputs
5. RTL Designing & Verification of standard communication protocols
6. Submitting the weekly reports to mentor

During the entire internship, I handled total 5 projects for RTL Design & Verification. They are :

- Protocol Based
 1. UART
 2. I2C
 3. APB
- Asynchronous FIFO
- Design Specifications Based
- 4-Port Calculator Design

In a nutshell, this internship has been an excellent and rewarding experience. I can conclude that there have been a lot I've learnt from my work at Semi Design. Needless to say, the technical aspects of the work I've done are not flawless and could be improved provided enough time. As someone with no prior experience with projects based on communication protocols whatsoever I believe my time spent in research and discovering it was well worth it and contributed to finding an acceptable solution to build the codes. Working on these projects had innovated my critical & creative thinking & enhanced my logic building. Concluding, this internship made me ready for the VLSI industry in Design & Verification Domain.



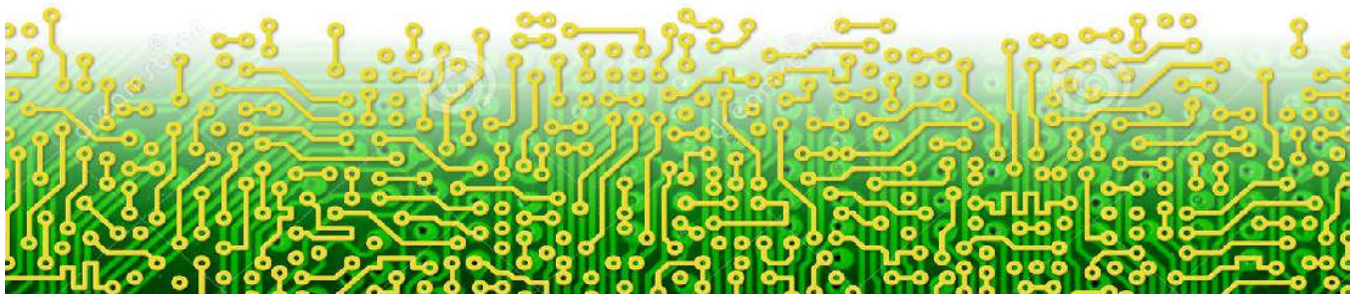
Internship at Wave NXD Pvt. LTD

by MR MIHIR AMBUSKAR, MR. DHIRAJ PATIL, MR ADWAIT SANGRULKAR

"Our internship as a Project Intern for Wave NXD Pvt. LTD has been the most rewarding and motivational experiences". We got practice experience about how to design and develop products.

With such empathetic, compassionate and supportive mentors, this experience has helped us achieve our goal of completing our bachelor's program for our degree in education. Because of the lessons We learned not only from our supervisor and cooperating teacher but from our students friends also. We are confident that we will continue to grow and develop professionally and in our personal endeavours. Within this internship there were two distinct learning experiences that stand out to us as the most influential aspects of handling a SMD component and Second one is how to solve the topic electronics circuit problems. Throughout our internship experience, we

learn different projects these circuit are implemented by using SMD component also we got experience of working in DSP. In the three month internship we got experience about different sensors with the guidance of a guide or we learn that how we can reduce the cost of our circuit how we can test. Implement the circuit by step wise in this internship we got known how electronic is powerful. We appeal all the students of our college who are really want to work with the core electronics domain to grab the opportunity and learn something innovative about various leading and trending technologies with great mentors in Wave NXD. We are very glad about this amazing learning experience. Thank you for providing us the chance to share our experience.



Staff Achievement



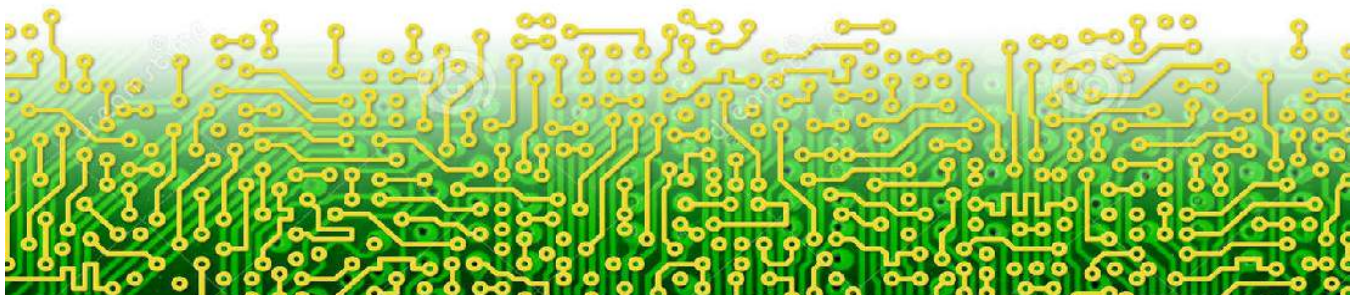
Mr. Nagtilak S. S. has completed PhD in Electronics engineering under the faculty of science and technology in Shivaji University. The thesis entitled is "Investigation on RF field exposure near cellular base stations and its adverse biological health effects on creatures". He had completed the PhD under the guidance of Dr. Chougule S. R. professor in ETC department in Shivaji University, Kolhapur

Sr. No.	Staff Name	Achievement	Date
1	Dr. S. R. Chougule	4 students awarded Ph. D	Jan 2022 to April 2022
2	Dr. M. S. Chavan	1 students awarded Ph. D	Feb 2022
3	Ms. K. V. Jadhav	Taken Admission for Ph. D. in Shivaji University	2021-22
4	Mr. K. V. Patil	Taken Admission for Ph. D. in Shivaji University	2021-22
5	Mr. E. C. Patil	Taken Admission for Ph. D. in Pune University	2021-22

Faculty Publications

- Dr. Mrs. S.R. Chougule "A robust passive blind copy-move image forgery detection" International Journal on Information and Computer Security Inderscience Publication Scopus Indexed ISSN: 1744-1765 Online ISSN: 1744-1773 on 21 April 2021.
- Dr. Mrs. S. R. Chougule "Analysis of Reduction in Mutual Coupling of 4 Port Microstrip Array Using Innovative Resonating Structures." International Journal of Advanced Science and Technology IJAST Vol. 29, No. 8, (2020), pp. 5389 – 5402 ISSN: 2005-4238.
- Dr. Mrs. S. R. Chougule "Implementing Modbus along on PIC32MX795F512H for Data monitoring and control of sensor nodes using RS 485." GIS SCIENCE JOURNAL VOLUME 8, ISSUE 2, 2021, PAGE NO: 1740-1742 ISSN NO : 1869-9391.

- Dr. Mrs. S. R. Chougule “Study on Speech Quality Improvement of Processed Signal in Reconfigurable Digital Filter used in Digital Hearing Aid Device.” Advances in Computational Sciences and Technology © Research India Publications Volume 13, Number 1 (2020) pp. 17-31
- Dr. Mrs. S. R. Chougule “Predication and Analysis of Epileptic Seizure Neurological Disorder using Intracranial Electroencephalography (IEEG)” WSEAS TRANSACTIONS on SIGNAL PROCESSING DOI: 10.37394/ 232014.2020.16.22 Volume 16, 2020 E-ISSN: 2224-3488
- Dr. M R Dixit “Person Identification in Group Photographs with Artificial Intelligence: Survey” International Research Journal of Engineering and Technology (IRJET),e-ISSN: 2395-0056
- 8. Dr. M R Dixit “A Review on Real Time Application of Face Recognition System International Journal of Creative Research Thoughts (IJCRT), ISSN2320-2882
- Dr. M R Dixit “Blood Cells Counting using Image Processing” International Journal for Research in Engineering Science and Technology (IJRASET), ISSN2321-9653
- Dr. M R Dixit “Analysis of Area of a Lake using Image Processing” International Journal for Research in Engineering Science and Technology (IJRASET),ISSN2321-9653
- Dr. M.S. Chavan “Recent trends in ICT enabled renewable energy systems”Information and /communication Technology for sustainable development.
- Dr. M.S. Chavan “A Novel Fault Tolerant Full Bridge DC/DC Converter for Photovoltaic application” ADBU Journal of Engineering Technology.
- Dr. M. S. Chavan “Power Switch Fault Signatures in a Full Bridge DC/DC Converter of PV System.” Psychology and Education Journal.
- Dr. S. S. Nagtilak “Review of MODBUS and Various Components with Its Application along with Security Study Against Attacks” International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE).
- Dr. S. S. Nagtilak “Implementing Modbus along on PIC32MX795F512H for Data monitoring and control of sensor nodes using RS 485” GIS SCIENCE JOURNAL.



Placements

Mr. Patil E. C.



Mr. Neel Akolkar
Company:Capgemini (Senior Analyst)
Package: 7.5 LPA

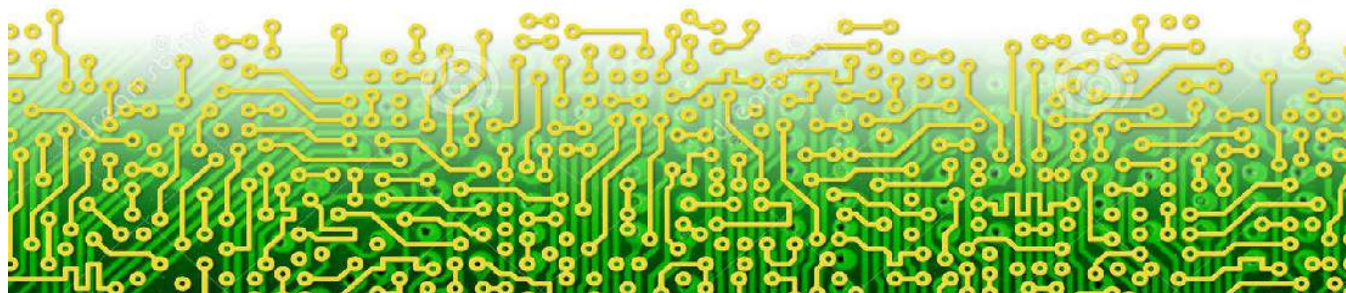


Mr. Aniket Magar
Company:Magna Automotive
Package: 5 LPA

Sr. No.	Student Name	Company	Package
1	Shivani Vilas Naik	Capgemini	4
2	Ruta M.Sardesai	Capgemini	4
3	Samruddhi S.Joshi	Capgemini	4
4	Snehal R.Pawar	Capgemini	4
5	Megha M.Shanbhag	Capgemini	4
6	Ashutosh S. Alone	Capgemini	4
7	Smita V.Kamble	Capgemini	4
8	Snehal R.Pawar	Hexaware	4.5
9	Megha M.Shanbhag	Hexaware	4.5
10	Samruddhi S.Josh	Hexaware	4.5

Sr. No.	Student Name	Company	Package
11	Ruta M.Sardesai	Hexaware	4.5
12	Advait A.Sangrulkar	TCS	3.36
13	Megha M. Shanbhag	TCS	3.36
14	Niraj R. Patil	TCS	3.36
15	Om Sunil Kapase	TCS	3.36
16	Rohan R. Gaikwad	TCS	3.36
17	Rutika S. Kshirsagar	TCS	3.36
18	Sanjana S.Dhenge	TCS	3.36
19	Sarwangi V. Shinde	TCS	3.36
20	Smita V.Kamble	TCS	3.36
21	Sushrut S. Magdum	TCS	3.36
22	Dhanashree S. More	TCS	3.36
23	Samruddhi S. Joshi	TCS	3.36
24	Navanath R.Sargar	TCS	3.36
25	Shrinivas K.Tammewar	Extrapreneur India Pvt. Ltd.	3.01
26	Sanjana S. Dhenge	Birla soft	3.60
27	Advait A. Sangrulkar	Wipro	3.50
28	Gautami E. Sadolikar	Wipro	3.50
29	Navnath R.Sargar	Wipro	3.50
30	Niraj R.Patil	Wipro	3.50
31	Om S.Kapase	Wipro	3.50
32	Snehal B. Patil	Wipro	3.50
33	Rohan N.Salokhe	Wipro	3.50
34	Rutuja N. Kamble	Wipro	3.50
35	Shivani V. Naik	Wipro	3.50
36	Koal P. Mudalkar	Wipro	3.50
37	Ashutosh S. Alone	Wipro	3.50
38	Vishwajeet R. Patil	Wipro	3.50
39	Namrata R. Nangare	Wipro	3.50
40	Siddhi S. Mench	Wipro	3.50

Sr. No.	Student Name	Company	Package
41	Vishwajeet S. Sutar	Wipro	3.50
42	Aniket S. Magar	Wipro	3.50
42	Vedika Patil	Wipro	3.50
43	Nabha Bendake	Zensar	4.0
44	Disha D. Berde	NetCraKer Technologies	6.0
45	Sanket U.Sali	NetCraKer Technologies	6.0
46	Niraj R.Patil	KPIT	4.0
47	Nabha Bendake	KPIT	4.0
48	Bogar S. Vijay	KPIT	4.0
49	Pratik P. Dhere	Infosys	3.60
50	Ankita A. Sadalge	Infosys	3.60
51	Dhanashree M. Desai	Infosys	3.60
52	Shruti A.Gonugade	Infosys	3.60



Real Hero

by PROF. M.D. SONTAKKE



In Indian mythology, Brahma, Vishnu, Mahesh are known as creators and makers of this world. Accordingly, in India, Indian navy, Indian air force and Indian army are the Indian armed forces which are core of Indian defence system. Due to these three forces our India is safe and protected from other enemies.

General Mr. Bipin Rawat (16 March 1958 – 8 December 2021) was an Indian military officer who was a four-star general of the Indian Army. He served as the first Chief of Defence Staff (CDS) of the Indian Armed Forces from January 2020 until his death in a helicopter crash in December 2021.

Rawat was commissioned into the 5th battalion, the 11 Gorkha Rifles (5/11 GR) on 16 December 1978, the same unit as his father. During the 1987 Sino-Indian skirmish in the Sumdorong Chu valley, then Captain Rawat's battalion was deployed against the Chinese People's Liberation Army. The standoff was the first military confrontation along the disputed McMahon Line after the 1962 war. He had much experience in high-altitude warfare and spent ten years conducting counter-insurgency operations.

After promotion to Major General, Rawat took over as the General Officer Commanding 19th Infantry Division (Uri). As a Lieutenant General, he commanded III Corps, headquartered in Dimapur, before taking over the Southern Command in Pune. He also held staff assignments which included an instructional tenure at the Indian Military Academy (Dehradun), General Staff Officer Grade 2 at the Military Operations Directorate, logistics staff officer of a Re-organized Army Plains Infantry Division (RAPID) in Central India, Colonel Military Secretary and Deputy Military Secretary in the Military Secretary's Branch and Senior Instructor in the Junior Command Wing. He also served as the Major General General Staff (MGGS) of the Eastern Command.

On 17 December 2016, the Government of India appointed Rawat as the 27th Chief of the Army Staff. He was also part of the planning for the 2016 surgical strikes, in which the Indian Army went across the Line of Control into Pakistan-occupied Kashmir. Rawat, it was reported, was monitoring the developments from South Block in New Delhi. He took office of Chief of the Army Staff as the 27th COAS on 31 December 2016, after retirement of General Dalbir Singh Suhag. He was the third officer from the Gorkha Brigade to become the Chief of the Army Staff, after Sam Manekshaw and Suhag.

In 2018, Rawat defended the army Major involved in the Kashmir human shield incident, where a Kashmiri man was tied to a jeep as a human shield. On his visit to the United States in 2019, General Rawat was inducted to the United States Army Command and General Staff College International Hall of Fame. He was also an honorary General of Nepalese Army in accordance with the tradition between the Indian and Nepali armies to confer the honorary rank of General upon each other's chiefs to signify their close and special military ties. On December 8, 2021, the 63-year-old's life was cut short after a tragic chopper crash in the Nilgiri Hills in Tamil Nadu in which Rawat, his wife and 11 others on board the ill-fated helicopter.

During his service, General Rawat had been decorated with the Param Vishisht Seva Medal, Uttam Yudh Seva Medal, Ati Vishisht Seva Medal, Vishisht Seva Medal, Yudh Seva Medal, and Sena Medal. General Bipin Rawat was REAL HERO.

Congratulations

- Mr. Akash Ambekar (Final Year ELN Gate 2022 Score: 37)
- Miss Aishwarya Patil (T Y ETC)

Excellent and Award Wining performance in " Mixed Signal Design Marathon" organized by FOSSEE, IIT Bombay, Redwood EDA, VLSI System Design Pvt. Ltd.

S.No	Name of the Candidate	Name of the Circuit	College Name
1	R.N.Rohinta Hari	Staircase Wave Generation using Analog and Digital Blocks	Madras Institute of Technology Campus, Anna University
2	Vital Patel	Frequency Divider using Astable Multivibrator and Counter	Vishwakarma Government Engineering College
3	Nara Hemant Reddy	Implementing Johnson Counter with Astable multivibrator	JNTUH College Of Engineering, Hyderabad
4	Janaki Rani Emami	Design of Elevator using ASM	CVR College Of Engineering
5	Akash Arun Ambekar	Implementation of High Speed 4-bit Flash type ADC	KIT's College of Engineering, Kolhapur
6	Prateek Sirhi	Dadla Multiplier	IIT Jammu
7	K. Anura Gupta	3-bit Flash Analog to Digital Converter	Jaypee Institute of Information Technology
8	Aishwarya Bhakrishna Patil	Designing of Frequency divider circuit using 3-bit / Mod-8 / divide-by-8 asynchronous counter	Kolhapur Institute of Technology College of Engineering, Kolhapur
9	Ganapathi Subramanian, R	4-Bit Johnson Counter with ring oscillator	Madras Institute of Technology-Anna University

- Miss Samruddi Joshi (Final Year ELN)

Best Project Award under "FSM Summer Internships-2021"



In Pics

Teacher parents Meet-2022



PIONEER-2K22





KIT Sports
Mr Tejas Gaikwad(S Y ETC)
Winner in Chess Tournament



Winner-Cricket Team



Winner Football Team



Final Year Electronics Engg.



Final Year E& TC Engg.

OUR ESTEEM RECRUITER



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

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