



Vision of the Department

To be recognized as a center of Excellence in the field of Electronics and Telecommunication Engineering where learners are nurtured in a scholarly environment to evolve into competent professionals to benefit society.

Mission of the Department

1. Evolve a curriculum which emphasizes on strong engineering fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in Electronics and Telecommunication Engineering.
2. Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
3. Facilitate creation and dissemination of Electronics and Telecommunication knowledge through a digitally-enabled learning environment.
4. Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
5. Establish a centre of excellence to enhance academia – Electronics and Telecommunication industry partnership and work on collaborative projects.

Programme Educational Objectives (PEO)

1. Graduates will be able to apply Electronics and Telecommunication knowledge to design technically sound systems, adopt new technologies through lifelong learning and to lead a successful career in diverse domains and streams.
2. Graduates will be able to show ability of Research and Development and Entrepreneurship skills.
3. Graduates will be able to exhibit professionalism, ethics, team work and social awareness in their career.

PROF. DR. SANJAY SINGH THAKUR

HEAD OF DEPARTMENT, ELECTRONICS AND TELECOMMUNICATION
ENGINEERING

Hello Everyone,

A warm welcome to all readers. In this quarter, our department successfully completed the important administration activities required for Autonomy committee visit and NBA. Along with this, department conducted regular lectures and practical sessions religiously. It makes me happy to mention that our Institute has been given Autonomous status by UGC for 10 years. In this regards, our department has already started taking efforts to strengthen various processes. I would like to give special thanks to Prof.Pravin Patil from my department for his relentless efforts in Autonomy work.

As the final exam is approaching, I wish all students a great luck!!!

Also, I would like to thank all faculty members for making this semester successful.

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“Patents need inventors more than inventors need patents”

— Kalyan C. Kankanala



ETSA in collaboration with ISTE
Webinar on >>> TECHNICAL PAPER WRITING !!

19/03/2022
11 - 12.30 pm
Ms Teams

Speaker
Dr. Arpit Rawankar

Speaker
Dr. Sanjay Singh Thakur

E-Certificate will be provided

Contact details
Shreyas Padghan -8857854479 Srishti Sharma: +91 90046 58090

DATE: March 19, 2022

Speakers: Dr. Arpit Rawankar and Dr.Sanjay Singh Thakur

Name of the Committee: Electronics and Telecommunication Students Association

Activity Title: Webinar on Technical Paper Writing

The event was publicized amongst the SE and TE students through various online platforms. A great response from the students was anticipated and the event was conducted in a duly manner. All the participants were given reminder mails in which link for joining the team was included .The webinar began sharp at 11:00 am with our guest speaker for the day, Dr. Sanjay Singh Thakur making students aware about the importance of technical paper writing and parameters which help in delivering the required outcome. After the first 45 mins Dr.Arpit Rawankar another guest speaker of the day took over the webinar and made students understand the practical guide on technical paper writing .

. At around 12:15pm the participants posed their doubts following which the session concluded. EXTC Department is thankful to Prof.Swapnil Ashtekar Convenor of ETSA.

Department Staff

PROF.MAYUR NANDA
ASSISTANT PROFESSOR



EDUCATION QUALIFICATION:
ME EXTC

WORKING EXPERIENCE:
9 YEARS

AREA OF SPECIALIZATION:
Linear Integrated Circuits, Signals and Systems, Control Systems, PCB Design

PROF. PRATIK MHATRE
ASSISTANT PROFESSOR



EDUCATION QUALIFICATION:
PURSUING PhD

WORKING EXPERIENCE:
9 Years

AREA OF SPECIALIZATION:
Microwave Engineering, Antenna, IoT, PCB Designing

“Tell me and I forget. Teach me and I remember. Involve me
and I learn.
- Benjamin Franklin”

Student's Speak

Samay Shetty

My name is Samay Shetty and I am a second-year student studying Electronics and Telecommunication Engineering. Well, the last 2 years have been very difficult for all of us due to covid. It was difficult for us students to learn online, but thanks to our teachers who made the process so smooth and easy. Every professor from the Electronic and Telecommunication department have a very unique approach of teaching, it helps us students to learn better and helps us understand each concept very easily. The professors in my department are very supportive, they provided us with help whenever we needed it, gave us digital resources to study, solved our doubts, guided us in our projects and the list goes on and on. Finally, now that we have to come to college offline, its so nice to learn from these teachers in offline mode. Its so nice to perform practical's in our offline labs with all the amazing lab resources available in the department . Our department also organized various online guest lectures by various industry experts for us so that we would be industry ready. In the outside world importance is given to the overall personality so our professors also encouraged students to take up leadership roles and participate in extra and co-curricular activities along with technical activities like webinars, workshops, hackathons, etc. Well till now my overall experience in VIT has been amazing and I hope to make more memories in the upcoming years,



Topic of the Quarter

Developing electricity –Powered, Low emissions, alternatives to carbon-intensive industrial processes

On April 11, 2022, MIT [announced](#) five multiyear flagship projects in the first-ever Climate Grand Challenges, a new initiative to tackle complex climate problems and deliver breakthrough solutions to the world as quickly as possible. This is the second article in a five-part series highlighting the most promising concepts to emerge from the competition, and the interdisciplinary research teams behind them.

One of the biggest leaps that humankind could take to drastically lower greenhouse gas emissions globally would be the complete decarbonization of industry. But without finding low-cost, environmentally friendly substitutes for industrial materials, the traditional production of steel, cement, ammonia, and ethylene will continue pumping out billions of tons of carbon annually; these sectors alone are responsible for at least one third of society's global greenhouse gas emissions.

Recognizing this, Chiang, the Kyocera Professor in the Department of Materials Science and Engineering, teamed with research collaborator [Bilge Yildiz](#), the Breene M. Kerr Professor of Nuclear Science and Engineering and professor of materials science and engineering, with key input from [Karthish Manthiram](#), visiting professor in the Department of Chemical Engineering, to submit a project proposal to the [MIT Climate Grand Challenges](#).

Reference: <https://news.mit.edu/2022/electricity-powered-low-emissions-alternatives-industrial-processes-0414>



Education is the passport to the future, for tomorrow belongs to those who prepare for it today. —Malcolm X



Know an Alumnus

Kadambari Kamble Batch 2021

“Enjoy the little things, for one day you may look back and realize they were the big things”

- Robert Brault

I am Kadambari Ravindra Kamble student from Vidyalkar Institute of Technology, Electronics and Telecommunication passing out batch from 2020-21, I was always looking for a college that provided me with more than just the conventional education and I feel proud to say that VIT has been that college for me! VIT has offered me the best faculties that not only assist in educational purposes but also in co-curricular activities that shape a student into a leader. With constant guidance. I feel happy with this college in all aspect.

It has the best infrastructure students will ever visit. All classrooms have a centralized air-conditioner. The practical labs also consist of good equipment's. There are many councils as per their interest i.e. music, dance, sports, literary, cultural, and so on.

Teachers are highly experienced and friendly enough to solve students' doubts. Teachers take various activities and quizzes for better understanding. There are presentations moreover in weeks. I have experienced industrial visit throughout this 3 years, and also have internships cells. Placements are almost 90-100% for CMPN and IT courses. EXTC courses also get about 60-70% of placements. Most of the students get IT-related jobs. Companies like Jio Platforms, Capgemini, TCS, Carwale, eLitmus, Wipro, Atos, Infosys and many companies visited our college to recruit students. The average salary package offered is 3.5 LPA, and the highest salary package offered is 8 LPA. Overall the college environment was wonderful.





Be dependent on yourself and know that courage has
to be born within you. It takes time but you have to

work for

– Sudha Murthy



Faculty Achievements

1. Dr.Sanjay Singh Thakur mentored a project titled “Aerofleet” for Smart India Hackathon-Preliminary Round at Vidyalkar Institute of Technology . This project has been recommended for participation at National level (SIH 2022).
2. Above mentioned group had been selected for final round of Intercollegiate project competition, Tantravihar-2022 at Vidyalkar Institute of Technology, sponsored by DTE Maharashtra.
3. Dr.Saurabh Mehta has been granted copyrights jointly with his PhD student for developing software modules in area of channel coding. Following details describe the Copyrights:
Copyright 1 Title: Analyzing the impacts of spatial correlation for a multiuser environment with robust concatenation of advanced FEC codes.
Copyright 2 Title: Performance analysis and design of MIMO OFDM System using concatenated forward error correction codes.
4. Dr.Sanjay Singh Thakur filed a patent on “A smart and safe Gas flow pipeline based on IOT for cooking appliances”. The patent was filed on 10th Feb 2022.
5. Dr. Sanjay Singh Thakur filed Design Certification in Indian Patent Office on “ Compact Spiral Printed Monopole Antenna” The patent was filed on 14th March, 2022. Prof.Ashsish Shekhar was part of the group..

Students Achievements

1. Our BE Students from 2021 Batch Ms.Vibhuti Gawand and Mr.Kartik Jondhalekar with Dr. Sanjay Singh Thakur filed Design Certification in Indian Patent Office on “ Compact Spiral Printed Monopole Antenna”. Following is the Abstract:
Abstract: In this design a rectangular spiral printed monopole antenna has been proposed. This printed spiral antenna has been designed to cover multiband frequencies, starting from 180 MHz to 2.5GHz with broad BW. This printed antenna has been fed through microstrip line feed to get optimized impedance bandwidth. The details of simulated results of proposed antenna have been validated through experimental results. This single antenna would be able to cover the various applications.
2. Our Students Utkarsh Gaikwad, Abhirup Singh, Pares, Hareesh Khedwal, Anuj Sonsurkar, Sonali Bedade were recommended for participation at National Level (SIH 2022) .

Department Activities

1. Department successfully conducted Project review for final year students.
2. Department Contributed in administration work required to be presented to Autonomy committee.
3. Department completed uploading of SAR Form for NBA third cycle.

“ Security used to be an inconvenience sometimes, but now it's a necessity all the time. ”
-Martina Navratilova

Hands on AUTOCAD Online Event conducted in collaboration between IETE-VIT and ISTE-VIT



DATE: February 12th, 2022

SPEAKER: Prof.Rupesh Parthe and Prof.Manish Mishra

IETE Convener: Prof.Amit R.Maurya

ISTE Convener: Prof.Vijay M.Purohit

Target Audience: First year students of the Vidyalkar Institute of Technology

Objective: The objective of the event was to learn about the functioning, execution, and overall software of AutoCAD, a design system engineering software for applications requiring measurement, and control with rapid access to visualize hardware and data insights.

Takeaway: Participants got acclimatized with the setup, control, functions, execution, and core concepts which would enhance their projects & elevate their significance.

Throughout the event, the participants were illuminated with the knowledge received & the teachers were affirmative with the eager responses.

Few Glimpses of the Event



UPCOMING EVENTS

- IETE- VIT will conduct a webinar on 'Introduction to EDA Tools and Career opportunities in VLSI' on Saturday 9th April, 2022.
- Department of Electronics and Telecommunication Engineering N.M.A.M Institute of Technology, NITTE India is organizing a two day International Conference on "Advances in VLSI Design, Signal Processing, Power Electronics, IOT, Communication and Embedded systems" on 22-23 December 2022.
- Department will conduct session on Demonstration of FPGA Kits for Faculty members.

“Every great dream begins with a dreamer. Always remember, you have within you the strength, the patience, and the passion to reach for the stars to change the world.”

-Harriet Tubman

THE
EDITORIAL TEAM

PROF.AMEY S.REVANDKAR

Chief Editor