



### 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, teamwork and social awareness in their career.

## DR. VARSHA TURKAR

HEAD OF DEPARTMENT, ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Hello Everyone.

A Warm welcome to all reader's

I feel happy and proud to mention that in this quarter, our faculty members were awarded for copyrights and secured elite positions in international conferences. To add further we were able to produce good quality Journal and conference research papers. I therefore congratulate my faculty team for this remarkable feat. We successfully completed IV to ISRO where our students were delighted to visit India's supreme research organization.

This Quarter was occupied with examination activities as well. I am sure my students will come out with a good academic performance.

I welcome all faculty and students for a new semester and wish our readers a very Happy New Year!!!



## WHAT'S INSIDE

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## Educational Tour to ISRO-Bangalore



Date: 10<sup>th</sup> to 13<sup>th</sup> December 2023

Activity Title: Visit to ISRO –Banglore

The educational tour consisting of 36 students of VIT and 2 professors namely Dr. Varsha Turkar (Head of EXTC Department) & Prof. Akhil Masurkar (Associate Professor of EXCS Department) started with the journey by assembling at Mumbai's domestic airport terminal on 10th December 2023, Sunday at 5pm.

Following the itinerary strictly, VIT team headed towards the scheduled ISRO visit the next day.

- The engineers there gave a brief information about the working of the systems and briefed us about the Chandrayaan-3 success.
- Engineers also showed the clean room for satellite making along with static models of all the major satellites till date.

The visit ended up with solving doubt solving sessions.

## ETSA Presents PCB Design Competition



Activity Title: PCB Design Competition

Date: 14-10-2023

Description: The PCB designing competition, organized by ETSA, was a comprehensive and engaging event that covered designing of a PCB from starch using KiCAD software. The speaker for the event was Mr. Yash Surve. Participants learned implemented aspects of designing and making such as component and their footprints, importing the necessary files, tracking between different components, and got familiar with the software. The winners for the competition were declared on 20 October. There were 7 teams out of which the team with members Sanskar Halwai, Saniya Nankar, Gourang Gadgil & Tejas Bhandare were declared winners.

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

## Alumni Speak

Priyanka Vishe

Assistant Manager, Reliance Jio

Batch 2023

As a former student, I can confidently attest that my journey at Vidyalkar Institute of Technology was nothing short of exceptional. First and foremost, I wish to emphasize the remarkable support and guidance I received from the teaching staff throughout my academic tenure. Their unwavering dedication and support played a pivotal role in shaping my educational journey. Their approachability, expertise, and encouragement created an environment conducive to learning and personal growth. I am deeply appreciative of their commitment to nurturing and enhancing our academic pursuits. The college's infrastructure is commendable, offering a safe and conducive environment for learning. The meticulously planned functions and programs not only provided invaluable insights for our future endeavors but also offered moments of enjoyment and refreshment, enhancing our overall college experience.



## Department Organized a Webinar on Industrial Automation Tools

Description: A webinar on PLC, SCADA, VFD was organized by the department Co-Ordinator Prof. Hemant Jadhav. Mr. Subodh Mane had been invited as the Speaker. The webinar started by welcome speech from Prof. Hemant Jadhav. Mr. Subodh Mane started the session by introducing himself. He then introduced basic principles and practices adopted in Industrial automation sector. He threw light on fundamentals of PLC, SCADA and VFD. He explained working of PLC kits, its design and applications in industries. Also, Mr. Subodh explained current worldwide status and growth rate of Industrial Automation. During the session, Mr. Subodh demonstrated Live working of PLC Machines. He explained how Boolean logic can be implemented, testing of PLC and methods of operating the PLC. He also suggested MOOC Courses to get trained in this field.

Dr. Varsha Turkar, Hod of EXTC Department concluded the session with Question Answer round.

**VIT** Vidyalkar Institute of Technology  
Accredited A+ by NAAC

**ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

**WEBINAR ON PLC, SCADA, VFD**

**AUTOTECH**  
Technical Education

Career guidance talk on  
"GROWTH, CHALLENGES & SCOPE IN INDUSTRIAL AUTOMATION"

Speaker: Subodh Mane - AUTOTECH, COA

**TOPICS COVERED**

- NEED OF AUTOMATION
- CURRENT WORLDWIDE STATUS
- GROWTH RATE
- 4IR
- IIOT
- AUTOMATION SECTORS & JOB OPPORTUNITIES
- HOW TO UPKEEP YOURSELF
- DIFFERENT AUTOMATION DEVICES

WATCH **LIVE** WORKING OF PLC & VFD

**WHO CAN ATTEND:** STUDENTS OF MECH. EC, EE, INSTRU  
**CONTACT :** 7666788952 | WhatsApp |

**Coordinator:- Prof. Hemant Jadhav**

**DATE :- 02nd December 2023**  
**TIME :- 02:00PM to 04:00PM**  
**VENUE :- Online Mode**  
**LINK :- <https://tinyurl.com/yptjbxbk>**

Prof. Beena Ballal had been granted Copyright for guiding the project work titled 'Droidcop-An initiative towards faster forensics'

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

### Faculty Achievements/Initiatives/Value addition

#### Dr.Saurabh Mehta

1. 5 Talks at various colleges and also at National level.
2. Star Education award for best professor category.
3. GOLC 2024 Awards with students.
4. 3 Journal papers published in IKS and Communication domain. Also 3 Copyrights granted.

#### Dr.Sheetal Mapare

1. Session chair at ICST 2023, 16<sup>TH</sup> International conference on Sensing Technology , 17-20 December 2023,Hyderabad India.
2. Presented paper at ICST 2023, 16<sup>TH</sup> International conference on Sensing Technology , 17-20 December 2023,Hyderabad India. Images below shows glimpse of the event:



3. Judge for Poster Competition-2023, Prequalifier round held at VIT Mumbai on 5<sup>th</sup> and 6<sup>th</sup> October 2023.

#### Dr.Dhananjay Patel

1. Vidyalankar Institute of Technology, Mumbai showcased its research potential at an International Springer Scopus Indexed Conference at Jaipur. TIH-IOT IITB students presented their paper in this conference. The student's names are 'Aditya Waghmare, Purva Masurkar, Shreyash Kakde, Mohammed Siddique Khot, Diwanshu Jain' . Under the guidance of **Dr.Dhananjay Patel** (Principal Investigator) , above students were able to achieve this success. Image below shows glimpse of the event.



THE  
**EDITORIAL TEAM**  
PROF.AMEY S.REVANDKAR