



April 2023 · ISSUE 3 · VOLUME XIV

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 am happy to inform that our Department got accredited by NBA till 2025. I Appreciate continuous efforts of all teaching and Non teaching staff and also students for achieving this milestone.

In this Quarter, we conducted our regular academic assignments along with mentoring sessions, guest lectures, workshops, and project reviews. I am pleased to mention that our department bagged four research projects from TIH-IOT IITB Chanakya Fellowship Program. Also a group of students from third year stood third in Intercollege Technical Project competition. I am sure this momentum of winning will continue throughout the year.

Our Department students have also made their mark in cultural and sports events that took place in the Annual college festival. In this Quarter, the faculty members have taken various initiatives for Skill building of students.

I would like to conclude by wishing all my students a great success in forthcoming theory and practical examination

WHAT'S INSIDE

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Soham Pal TE DIV A

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Guest Lecture Sessions



ETSA committee of Department of Electronics & Telecommunication Engineering (NBA Accredited) organizes

Workshop on Data Engineering using Python and Cloud Technology

-OUR SPEAKERS FOR THE EVENT-

SUDEEP KHANDEKAR **NIKITA SHINDE** **SHUBHAM MANGAONKAR**

Points to be covered

- Data Engineering using Cloud technology and Python
- Different Cloud Services - AWS and Python functions
- Applications of Cloud Computing

(E-Certificates will be provided to all the participants)

12PM-4PM
18TH & 19TH FEBRUARY
MS TEAMS

FOLLOW US ON
ETSA.VIT
ETSA-VIT

Register here

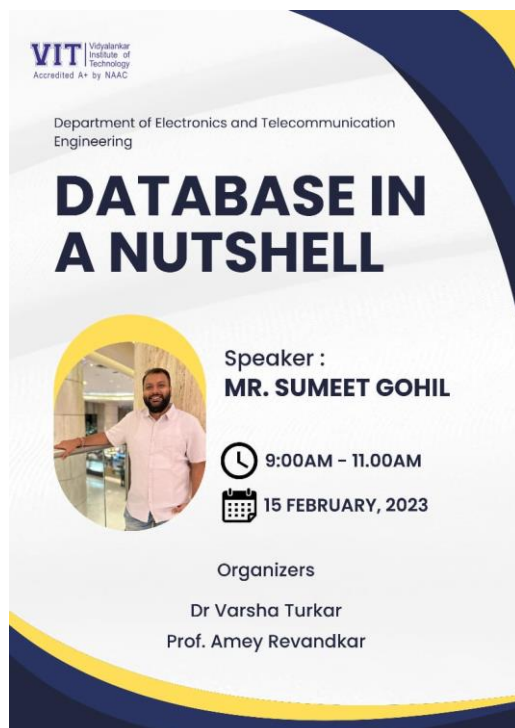
Date: 18th and 19th February 2023

Speakers: Mr. Sudeep Khandekar, Ms. Nikita Shinde, Mr. Shubham Mangaonkar

Name of the Committee: ETSA

Activity Title: Data Engineering using Python and Cloud Technology

The objective of the event was to learn about the functioning of various Cloud services-AWS and Python. Also, the idea was to give students insights on applications of cloud computing. The workshop began sharp at 12:00 pm with our guest speaker, Mr. Sudeep Khandekar, Mr. Shubham Nagaonkar, and Mrs. Nikita Shinde throwing light upon the usage of Cloud Computing as a whole and helping everyone proceed, understand, and assess the topic in a steady pace. On the first day, the speakers briefed all the participants about the basics of the Cloud, AWS, jobs in this sector, etc. The session ended by creating an account on AWS. On the next day, basics about AWS were taught and doubts among the participants were cleared by the speakers. Later, a project was built using a bucket and it was connected to the website for a better experience. The session was concluded after all the doubts were cleared



VIT Vignyanankar Institute of Technology Accredited A+ by NAAC

Department of Electronics and Telecommunication Engineering

DATABASE IN A NUTSHELL

Speaker : **MR. SUMEET GOHIL**

9:00AM - 11.00AM
15 FEBRUARY, 2023

Organizers
Dr Varsha Turkar
Prof. Amey Revandkar

Date: 15th February 2023

Speaker: Mr. Sumeet Gohil

Activity Title: Guest Lecture on Database in a Nutshell

Organizer: Dr. Varsha Turkar and Prof. Amey Revandkar

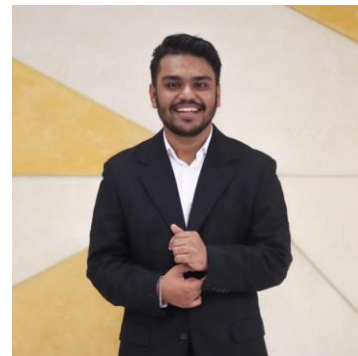
The objective of the event was to brief students on basics of DBMS (Conceptual) and then live demonstration of querying and structuring Databases. Mr. Gohil started the session by giving insights of scope of Databases in commercial sector. He then explained Model's like relational and ER model to students to get the basic view of the subject. Continuing further he described challenges involved in building, analysing and querying databases. Later he addressed a complex problem-solving task. He briefed on tools available online for firing and resolving a query in a commercial database. At the end of the talk students were encouraged to ask and clear their doubts related to the subject. There was a good discussion among Mr. Gohil and students on placement opportunities in DBMS. More than 50 students attend the session .

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

Student's Speak

Soham Pal TE Div A

It gives me Immense pleasure to mention my feelings for my Institute. I will start with a big thanks to all my teaching and nonteaching staff members for their continuous support and inspiration to excel in academics. The Vibes I found around our Institute makes the students more energetic for participating in many academic committee roles. This gives students an equal opportunity to build soft skills that enrich their overall personality. The Infrastructure is marvelous and trendy. Cleaned classrooms, labs canteen's make students comfortable to enjoy their college days. The way student council is structured, and the activities are implemented is remarkable. All I can say is VIT is great place to learn, Groom, lead, showcase presentation skills, play and grow to fight the world.



Student's Achievement

1. Our following students won the third position in 'Tech-a-thon'2023 (48 Hours Hardware Hackathon) Conducted by 'ELECTROVERSE COMM-TSEC 2022-23', along with the department of Electronics and Telecommunication Engineering of Thadomal Shahani Engineering College . VIT and Department of EXTC are proud of them for this win

1. Shruti Sawant
2. Swapnil Ambre
3. Mrunal Vichare
4. Aaradhya Rane

2. Our Third year students Tanmay Gurav and Yash Surve are going to present poster in Symposium at IITBombay on 5th and 6th April 2023 under the guidance of Prof. Pratik Mhatre and Dr. Saurabh Mehta.



In Frame : Shruti Sawant, Mrunal Vichare and Swapnil Ambre Holding Certificates

Sessions/Events Organized

IEEE SECTION
VIT
Vidyalankar Institute of Technology
presents
INAUGURATION OF IEEE-VIT AESS CHAPTER
We're requesting the honor of your presence at the "Inauguration of IEEE Aerospace and Electronics System Society Student Branch Chapter VIT". AESS Society would give students a community of peers, and a connection to professionals who drive innovation in countless technical fields.
DAY, DATE: Friday, 27 January
TIME: 4:00 pm onwards
VENUE: VIDYALANKAR AUDITORIUM, VIDYALANKAR INSTITUTE OF TECHNOLOGY, WADALA, MUMBAI
Pratik Mhatre: 9987211209
Riya Modi: 777071543

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IETE-VIT 2022-23
In Collaboration with Library Committee

Presents
How to write a Research paper

Points to be covered:
1. How to write a research paper for Journal publication
2. How to write a research paper for Conferences.
3. Do's and Don'ts of technical writing
4. Quality check of papers.

Speaker:
Prof. Dr. Dhananjay Patel
Associate Professor at Vidyalankar Institute of Technology, Mumbai

8th & 15th Feb 23
M315
for more Details contact:
Chiranjay Tawde :-7658818051
Shahvi Sohoo :-82404 07748

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Those good old days...

Dr. Kishor Kulkarni
Retired Programme Executive
All India Radio, Mumbai

Department of Electronics and Telecommunication
WORLD RADIO DAY
Date: 13 February 2023
Time: 04.00pm
Venue: B105

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Department of Electronics and Telecommunication Engineering presents
Antenna designing and testing Competition open for all branches of VIT
Make Your own Antenna!
On 30th March 2023

Training & Workshop - 6th March & 8th March 2023
Guidance & Review- 16th March & 21st March 2023
Final Review & Submission - 16th March & 23rd March 2023

For more details contact:
Faculty Coordinator:
Prof. Santosh Jagtap :-91 902890031
Student Coordinator:
Tejaswini Gaur :-91 8756688100
Scan to Register



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



Faculty Achievements/Initiatives

- **Dr. Varsha Turkar** and **Prof. Pratik Mhatre**

Established Satellite club with following objectives:

1. To set up a ground station to acquire and process data from the existing satellites.
2. To develop our own Satellite.
3. Capacity building in the field of antenna design, machine learning and satellite design.

- **Dr. Varsha Turkar** and **Prof. Vibha Wali**

Established Centre of Excellence in Advanced Remote Sensing and Earth Observation with following Objectives:

1. Capacity Building in Various Domains.
2. Remote sensing and GIS.
3. Image processing.
4. Machine Learning.
5. Data Science
6. Databases
7. Mobile Application Development

- **Prof Pratik Mhatre:**

1. Filed Design Patent on 'Flight controller for drones' and 'CAN Satellite'.
2. Selected as chair person for IEEE Young professional's Bombay section.
3. Formed AESS IEEE Chapter in VIT .

- **Dr. Dhananjay Patel:**

Under his leadership VIT has bagged 4 research projects from 16 TIH-IOT IITB Chanakya Fellowship Program.

Funds: 24 Lakhs

Duration: 10 Months

Projects :

- i. Smart Ploughing Device
- ii. Voice Controlled Robot
- iii. Trichoscopy and Trichogram Analysis
- iv. Design and Fabrication of Onion Harvester

- **Prof. Vaibhav Kshirsagar** initiates Centre of Excellence in Data Analytics with an objective to develop interest and give hands on experience in the domain of data analytics.

- **Dr. Sheetal Mapare** initiates to build Sensor Technology lab in collaboration with MacQuarie University Australia to develop sensors for various applications and Industry 4.0 Lab with an objective for capacity building in Upcoming technologies.

- **Dr. Saurabh Mehta** and **Prof. Pratik Mhatre** establish IEEE – VIT AESS Chapter on 27th Jan 2023 with an objective to develop RC Planes, Chuck Gliders and other free flight Models.

- **Dr. Varsha Turkar, Dr. Sheetal Mapare and Dr. Amey Nyayadish** establish community radio club with following objectives:

- i. To provide information, education and entertainment
- ii. To motivate students to participate in the national endeavour for integrated development of the country.

THE
EDITORIAL TEAM
PROF.AMEY S.REVANDKAR