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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.

DR. VARSHA TURKAR

HEAD OF DEPARTMENT, ELECTRONICS AND TELECOMMUNICATION
ENGINEERING

Hello Everyone,

A warm welcome to all readers.

I wish all readers a Very Happy New Year

In this Quarter, Department successfully completed Academic and Administration work for the Odd sem 2022. Department had also organized guest lectures, workshops, project reviews. Also the result declaration of final examination for SE, TE and BE students was held properly. Our faculty members offered internship programs for skill upgradation.

In this quarter, department appeared for the in campus assessment by NBA Expert Team. In this regards, I would like to thank my teaching and Non teaching staff for successful completion of NBA administration work.

I welcome all students to beginning of New semester.

WHAT'S INSIDE

Department Staff

Dr. Anand Tripathi

Prof. Vaibhav Kshirsagar

Topic of the Quarter

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“Patents need inventors more than inventors need patents”

— Kalyan C. Kankanala



Topic of the Quarter Moving Water and Earth



DATE: Jan 11, 2023

Reference: <https://news.mit.edu/2023/grain-flow-sediment-transport-0111>

Title: A new understanding of how particle shape controls grain flow could help engineers manage river restoration and coastal erosion.

Details: As a river cuts through a landscape, it can operate like a conveyor belt, moving truckloads of sediment over time. Knowing how quickly or slowly this sediment flows can help engineers plan for the downstream impact of restoring a river or removing a dam. But the models currently used to estimate sediment flow can be off by a wide margin.

An MIT team has come up with a better formula to calculate how much sediment a fluid can push across a granular bed — a process known as bed load transport. The key to the new formula comes down to the shape of the sediment grains.

The MIT researchers found that instead of considering a grain's exact shape, they could boil the concept of shape down to two related properties: friction and drag. A grain's drag, or resistance to fluid flow, relative to its internal friction, the resistance to sliding past other grains, can provide an easy way to gauge the effects of a grain's shape. The study's authors are Eric Deal, Santiago Benavides, Qiong Zhang, Ken Kamrin, and Taylor Perron of MIT, and Jeremy Venditti and Ryan Bradley of Simon Fraser University in Canada.

An MIT team has developed a more accurate formula to calculate how much sediment a fluid can push across a granular bed, which could help engineers manage river restoration and coastal erosion. The key to the new formula comes down to the shape of the sediment grains.

Credit: Courtesy of researchers

Department Staff

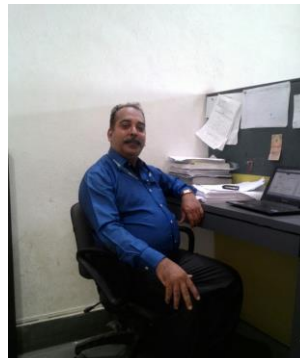


Vaibhav Kshirsagar
ASSISTANT PROFESSOR

EDUCATION QUALIFICATION:
ME EXTC

WORKING EXPERIENCE:
18 YEARS

Subject of Interest: Computer Programming, Experimental design, Statistical Analysis, Data Analysis, Problem solving for Manufacturing Industries



Dr. Anand Tripathi
PROFESSOR

EDUCATION QUALIFICATION:
PhD (Liquid Crystals)

WORKING EXPERIENCE:
22 YEARS

Subject of Interest:
Storage Devices, Electronic Devices and Communication

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

Student's Speak

Pradnyan Meshram SE Div B

I take this opportunity to express my gratitude for my Institute. I feel very happy and proud to call me as Vitian. There are many obvious reasons to say this. I can describe Vit in three different aspects which are quality education, impressive infrastructure and exposure to students.

Speaking about education, VIT falls in the league of best institutes imparting quality education since past decade. It has excellent teaching learning process designed by expert faculty members that makes VIT distinct from other institutes. Along with regular lectures and Practical's, VIT encourage students to participate in co-curricular and extra-curricular activities. The Labs are equipped with modern tools. The classrooms are enabled with camera and modern tools of recording.

Talking about Infrastructure, it creates positive vibes that makes students willing to attend and enjoy college days. I also would like to mention that the exposure given to students through various club level activities like 'V-Clubs', Radio clubs, Various council activities is commendable. Therefore I would like to extend my thanks to all teachers, Non-teaching staff, management for imparting such a wonderful learning environment.

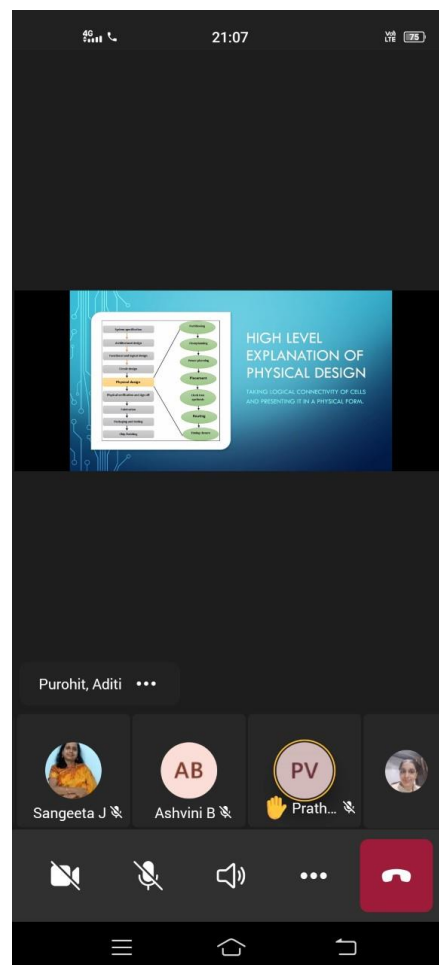
Guest lecture on "Roadmap to VLSI Industry " for EXTC Students

A Guest Lecture on above topic was organised for EXTC students on 17th Nov, 2023 in Online Mode.

Mr.Mihir Joshi (Front end design Engineer at Qualcomm USA) and Ms. Aditi Purohit (Physical design Engineer at Qualcomm USA) had been invited as Guest speakers.

Description: Ms.Aditi started the seminar by focusing on basic concepts on VLSI. She talked on various software's and tools used by industry for testing of Digital IC's . Also she gave brief idea on fabrication process. She briefed on VERILOG software used for Digital IC Testing.

Mr.Mihir Joshi then stressed upon the features of IC's used for military applications. Students were made aware of cost, use and detail's of IC used for industrial applications and guided them about the purchase of the IC's which they can do for their projects. He talked about the logic families and their importance in industries. Apart from this Mr.Mihir Joshi also talked about various qualities such as positive attitude, thirst to learn new and latest technological skills, hard work, never give up attitude which students should imbibe to become successful. He also guided the students MS study in USA. A very positive response was seen from the students as they discussed their queries with the guest speaker during the discussion time. The event concluded by vote of thanks by Prof.Satendra Mane and thanked speakers for their co-operation and evident enthusiasm.





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



Know an Alumnus

Vidhi Dave Batch 2021

I am extremely proud of calling myself a graduate from Vidyalankar Institute of Technology. The college has not only helped me sharpen my skills but also played a huge role in the metamorphosis I underwent as a person. With a beautiful campus, huge library resources, laboratories equipped with the latest technologies and highly experienced and supportive faculty. Vit has everything a student can ask for.

I wish VIT reach all peak of success in all fronts.



Vidhi Dave Currently working as
Assistant Manager, Reliance Jio

Department Updates

1. Prof.Tejal Page successfully published paper titled “ Slot loaded Circular Microstrip Antenna for Circular polarized Response” in 5th IEEE ICAST 2022 event.
2. Dr.Dhananjay Patel had been invited as a panelist for panel discussion in “Stree-tech-One day Leadership and Networking symposium for women in technology” at VSIT Wadala.
3. Dr.Dhananjay Patel and students of VIT successfully apply for TIH-IoT Fellowship Program 2022-23. Total six applications under leadership of Dr. Patel.

Conference Updates

1. 7th International conference on trends in Electronics and Informatics ICOEI 2023 ON 11TH TO 13TH April at Cheranmahadevi,Tirunelveli,India
2. IEEE International conference on Computer,Electronics and Electrical Engineering and their Application IC2E3 2023 at NIT Uttarakhand on June 8th -9th ,2023
3. International conference on Electronics Engineering and Informatics ICEEI 2023 at New Delhi on August 8th – August 9th 2023.

THE
EDITORIAL TEAM
PROF.AMEY S.REVANDKAR