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### Vision :

To be a globally recognized institute where learners are nurtured in a scholarly environment to evolve into competent professionals and researchers to benefit society.

### Mission :

Evolve a curriculum which emphasizes on strong fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in contemporary subjects.

Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with institutes of repute.

Facilitate creation and dissemination of knowledge through a digitally-enabled learning environment.

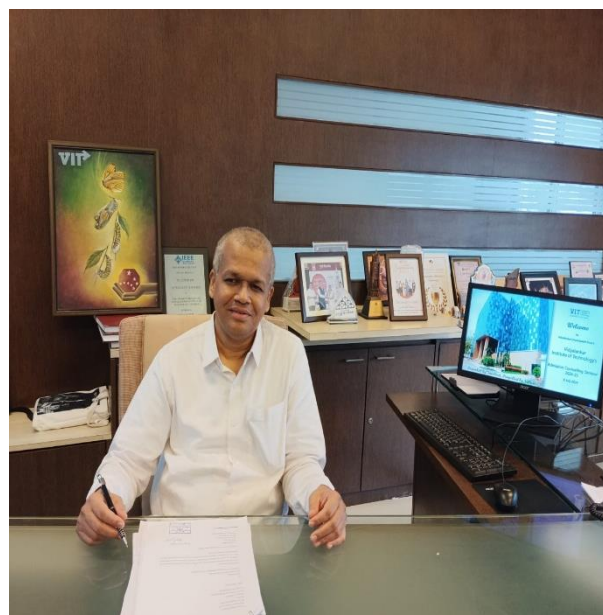
Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.

Establish a Centre of Excellence to enhance academia-industry partnership and work on collaborative projects.

## Dr. Sunil Patekar PRINCIPAL

I congratulate all my students on stepping into a new semester with renewed energy and spirits. A wide spectrum of activities, both curricular and co-curricular were conducted in the form of various guest lectures, workshops, credit transfer courses and many more. I would like to extend my best wishes to the graduating batch of 2024 for a new beginning with dreams to soar higher in life. We soulfully remember our founder and progenitor of this blessed environment, Prof Chandrashekhar S. Deshpande in the Sixth Memorial lecture of the "Prof. C.S. Deshpande Memorial Lecture" series on "Science and Spirituality", deliberated by eminent Vedic Scholar, Spiritual Teacher, Philosopher and Padma Bhushan awardee Chinna Jeeyar Swami ji, on 17th May, 2024, at Vidyalankar Auditorium. With these thoughts, let us all work hard with enthusiasm and sincerity towards this semester to reach the unassailable heights of excellence.

**Best wishes!**



## The Sixth 'Prof. CS Deshpande Memorial Lecture'



The Sixth 'Prof. CS Deshpande Memorial Lecture' was conducted on Friday 17 May 2024, 4:30 pm at Vidyalankar Educational Campus, Wadala, to honor the legacy of an exceptional educator and the founder of Vidyalankar, Prof. Chandrashekhar S. Deshpande. This annual Memorial Lecture has been instituted to commemorate the remarkable contributions of Prof. CS Deshpande to the field of education. Eminent Vedic Scholar, Spiritual Teacher, Philosopher and Padma Bhushan awardee Chinna Jeeyar Swami ji delivered a thought-provoking and an insightful lecture on the topic of "Science and Spirituality".

## Credit Transfer Courses for students

In a unique initiative, under the Autonomous revised curriculum and in line with NEP 2020, Vidyalankar Institute of Technology is offering its students credit courses that they can complete during the summer break between the fourth and fifth semesters at other prestigious institutes and organizations. These credits can be transferred and contribute towards the fulfillment of credit requirements for the subsequent award of their B.Tech. degree. The goal of this initiative is to give VIT students an experience of the ambience and work culture of reputable institutions, broaden the horizons of learners and encourage exploration of novel areas through collaboration. Some such courses which are currently underway are at Centre for Development of Advanced Computing (C-DAC), Indian Institute of Management- Mumbai (IIMM), National Institute of Securities Markets (NISM), and St. Xavier's College. The VIT students are enthusiastic in exploring new learning opportunities at Indian Institute of Technology Bombay (IITB) too wherein students got an opportunity to learn Microwave Satellite Data Processing during their inter-semester break prior to commencement of their Third Year B.Tech.



Vidyalankar Institute of Technology also signed a Letter of Understanding with National Institute of Securities Markets (NISM) to promote collaborative learning.





## Achievements



Hearty congratulations to the IEEE Student Chapter of Vidyalankar Institute of Technology for receiving the "Platinum Affiliate Award" from the IEEE Bombay Section!



Vidyalankar Institute of Technology received the 'Excellence Award 2024' in the 'Colleges Category' from Cloud Counselage Pvt. Ltd. for contribution towards 'Industry Academia Community'.

## Graduation Day



Vidyalankar Institute of Technology organized the Graduation Day Program for the batch of students graduating in 2024. The primary objective of this program was to honour the academic and extra-curricular achievements of BE, ME, and MMS students. It celebrated every graduate's journey of dreams toward the fulfilment of his/her future goals and aspirations to be a successful professional. The esteemed guest for this event was Mr S. Manikkan, Executive Director and Chief Executive Officer of Radiance Renewables Pvt. Ltd.



## Degree Distribution Ceremony for the Batch of 2022-23

VIT organized Degree Distribution Ceremony was organized for the batch of 2022-23 for 4 days in the month of April 2024. The ceremony was held in the evenings between 5 pm and 7 pm on April 1st , 3rd , 4th and 5th April 2024. The ceremony was presided over by an eclectic mix of Chief Guests from diverse fields. On 1st April- Ms. Charmi Shah an entrepreneur of financial services addressed the students. Shri Pratap Sanap, an AI automation specialist and Shri Rahul Honrao, an MBA in IT field addressed the students on 3rd and 4th April respectively. On 5th April, Dr. Girish Walavalkar, an author, scientist and business professional of repute addressed the students. All the invitee students were awarded the Degrees conferred on them by the University of Mumbai. This year too, under the aegis of the Prof. C S Deshpande Memorial activities, a topper from each branch was awarded the silver medal, to celebrate extraordinary talent and exceptional academic achievement.



## Lippan Art Workshop

VIT's Hobby Club Committee hosted 'Lippan Art Workshop' – an enriching artistic session on the 3rd of April 2024. Participants discovered the intricate techniques of Lippan art, blending tradition with innovation to create stunning masterpieces. Through each intricate design, attendees experienced a sense of liberation and self-expression, fostering a memorable artistic experience.



## Student Council Activities



International Yoga day was observed on 21<sup>st</sup> June 2024 at VIT campus by conducting a session on yogic postures for faculty and students. Another event, Fit Fiesta was also organized on April 19 wherein participants were tested on their fitness. Students enthusiastically tackled flying squats, crunch-ups, and push-ups, each exercise demanding 20 repetitions. Parth Kale triumphed in the boys' category, his grit and fitness shining through in every exercise. Sneha Chavan mirrored her success in the girls' category. Many other events were also arranged in the campus in this quarter.

“ Failure will never overtake me if my definition to succeed is strong enough- Dr. A.P.J. Abdul Kalam ”

## कलादर्पण – Reflection of Art

The event, Kaladarpan, was organized on 02 April 2024 wherein First Year Engineering students showcased their unique talents across various art forms such as singing, dancing, etc. in Indian classical music and dance. Additionally, students exhibited their musical prowess by playing various instruments such as the Flute, Tabla, Harmonium and Guitar. Parents of the performers also attended the event and thoroughly enjoyed it.



## Admissions Guidance Webinar



Vidyalankar Institute of Technology's Department of First Year Engineering had organized Free Guidance Webinar for First Year engineering aspirants and their parents as a one-stop information solution to all the queries on starting their engineering journey. It was showcased on 29 June 2024 on VIT's official YouTube channel.

## Student Achievement

Arnav Sonavane, student of First Year Electronics and Computer Science has won many accolades-



- Winner of Harvard Duke Hackathon
- Published book chapters in the domain of Quantum Computing, IoT, and AI
- Qualified for International Climate Science Olympiad
- Freelancer for an Australian start-up named 'Openmesh' and currently working at SaaS start-up based in USA
- Completed a banking project to automate their hiring process using image processing and ML

## Ideathon: Season 3



"IDEATHON", a competition to develop the spirit of innovation and entrepreneurship in First Year students was organized by the Department. It had student teams, mentored by faculty, so that students develop leadership, and team building skills. The theme of the competition was "Problem Statements of Smart India Hackathon (SIH)".

## Agri-Tech Showcase



A Poster Presentation competition titled as "Agri-Tech Showcase" was tailored for First Year Engineering students with an objective to introduce them to the latest advancements in Agricultural technology. Students highlighted the recent trends and innovation in the field of agriculture by presenting various posters.





Security used to be an inconvenience sometimes, but now it's a necessity all the time.

-Martina Navratilova.



## CESA Flagship Plethora



The seminar on '5 Minute Engineering' event organized by CESA, featured Mr. Shridhar Mankar, a renowned YouTuber known for his 5 Minute Engineering channel and an Educational Blogger with over 570k subscribers. 'Poster Palooza' was organized on 2 April with an array of visually stunning posters. Participating in events like 'Upside Down Quest' fosters creativity, teamwork, networking, problem-solving, and communication skills among students. The Mini Marvel Showcase event was a success, offering a platform for students to display their talents.

## CSI Flagship: Enthusia

Operation Nightfall consisting of two exciting days filled with challenges and teamwork, was conducted on 18 and 19 April. The CSI-VIT Chapter 2023-24 also hosted the 'Sinister Scripts' event, a competitive coding competition as part of this flagship event, "Enthusia", featuring a prize pool of 14,000 INR. Another event organized by CSI and CESA called as 'Artificial Intelligence made me rich' spanned two days and focused on generating and presenting business ideas.



## Departmental Updates

- Prof. Suja Jayachandran has published a paper on "Customized Support Vector Machine for Predicting the Employability of Students pursuing Engineering" in a Scopus-indexed Journal "International Journal of Information Technology", Springer. April 2024.
- Prof. Suja Jayachandran is selected as Reviewer for Computers and Education Open Journal, Elsevier publication in June 2024.
- Tanuj Ghag, Purvesh Kanade, Hrishikesh Shinde, Karthi Devendran, Divya Surve presented paper titled "Blockchain-based Copyright Detection System: A Decentralized Approach to Protecting Intellectual Property" at IEEE International Conference on Innovations and Challenges in Emerging Technologies organized by G.H Raison College of Engineering on 7th and 8th June 2024.
- Divya Surve completed Online Faculty Development Programme titled "Machine Learning Applications for Engineers" organized by the Department of Computer Science and Engineering at Chaitanya Bharathi Institute of Technology in Technical Association with ACM Hyderabad Deccan Chapter held from 3rd - 7th, June 2024.
- Prof. Suvarna Bhat presented paper in IEEE conference ICDCECE-24 (April 24) on paediatric oral health detection using swin transformer.

“ Learn as if you will live forever, live like you will die tomorrow. ”

## ITSA ACTIVITY: Workshop on Microsoft CO pilot

On the 20th of March, the informative event-Copilot Safari took place in M413. The event discussed the adoption of new ways of technology and shared insights with attendees about the transformative potential of integrating AI tools like GenAI and Copilot into their professional lives. The speakers highlighted the importance of embracing these technologies as catalysts for innovation and efficiency in various industries. They emphasized that by leveraging GenAI intelligent assistance and Copilot code-generation capabilities, professionals can streamline workflows, boost productivity, and unlock new opportunities for career advancement.



## Student Speaks



**RIYA THAKUR, SE INFT  
DIV B (BATCH 2023)**

VIT provides a wide range of opportunities in all domains, not only in extra-curricular and co-curricular but also by giving us the opportunity to interact with the domain experts. My experience at VIT has been a journey of exploring different domains and learning new things everyday just by attending new and exciting events that are provided by our college. Apart from learning new things from people of the field we also have knowledgeable professors who are insightful and friendly enough to approach and communicate with. I have always found it easy to go to my professors for anything from doubts about the course to higher education advice. The best part is that our college provides extracurricular activities as a part of our syllabus, for instance, I had opted for Various Dance Forms for one of my semesters and many more such courses were provided like EQ VS IQ or even Indian Constitution.

## Department Staff

### Prof. Santosh Tamboli

ASSISTANT PROFESSOR



**EDUCATION QUALIFICATION:**  
M.E. (Computer Engineering)

**WORKING EXPERIENCE:**  
19 YEARS

**AREA OF SPECIALIZATION:**  
DSA, Graphs, OOP

### Prof. Vinita Bhandiwad

ASSISTANT PROFESSOR



**EDUCATION QUALIFICATION:**  
Pursuing Ph.D.  
Electronics & Telecommunications

**WORKING EXPERIENCE:**  
10 YEARS

**AREA OF SPECIALIZATION:**  
IOT, MACHINE LEARNING



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



## NETSIM Training Workshop



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

### NETSIM Training Workshop

Date: 10th to 12th June 2024  
Venue: M514 Lab  
Time: 9.30 am to 12.30 pm  
2.00 pm to 4.00pm

**Course Outcome:**

- Introduction to NetSim and basics of Computer Networks
- Introduction to MANETS, IOT and VANETS
- Simulation of Mobile communication in NetSim and Emulator in NetSim

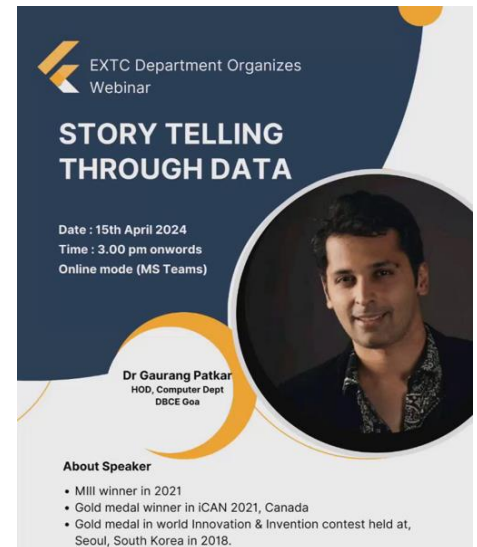
For more information contact:  
Beena R Ballal  
Mobile no:- 9930516982

**Resource Person:**  
Mr. Amruth  
Assoc. Application Engineer, TETCOS LLP

Mr. Amruth is B. Tech in Computer Science. His research work is in the field of Wireless Sensor Networks and Internet of Things.

3-Days Training Workshop on NetSim conducted by TETCOS Bangalore from 10 June to 12 June wherein the resource person Mr. Amruth demonstrated the Simulation of LAN, WAN, and WLAN networks with NetSim. He talked about Transport Layer and briefed on TCP and UDP and its simulation with NetSim. He also interfaced with Wireshark in NetSim. He also demonstrated examples on 3 layers in NetSim. He also demonstrated examples on Routing protocols and Battery model in IoT- WSN using NetSim. He simulated various examples in 5G. At the end of the session he discussed various Research areas using NetSim.

## Webinar on Storytelling through Data



EXTC Department Organizes Webinar

### STORY TELLING THROUGH DATA

Date : 15th April 2024  
Time : 3.00 pm onwards  
Online mode (MS Teams)

**Dr Gaurang Patkar**  
HOD, Computer Dept  
DBCE Goa

**About Speaker**

- Mill winner in 2021
- Gold medal winner in ICAN 2021, Canada
- Gold medal in world Innovation & Invention contest held at, Seoul, South Korea in 2018.

The webinar was conducted on 15 April wherein the implementation or application of fundamental concepts learnt and studied by the Third year EXTC students as a course in Semester VI were shown. The event was a completely practical demonstration of the theoretical concepts and application of the latest algorithms. Students enjoyed the session, and thus gave positive response.

## Department Achievements

- Dr. Saurabh Mehta becomes empanelled professional with DIN and can serve as an Independent Director. Independent directors are vital to good corporate governance .
- Dr. Pratik Mhatre and his students received copyright for their project 'Acebot'. He also successfully published paper titled "Implementation and Analysis of a cost-effective Light Detection and Ranging Sensor Based System for Smart Autonomous Vehicles in Technical security Journal, June 2024.

## Student Internships

Under the guidance of Prof. Satendra Mane, SE and TE students of EXTC Department completed internship in the subject Electronic Devices and Circuits. During this period, students were taught PCB Designing (Software platform: Eagle and Kicad) rules. They were encouraged to work independently to design a prototype PCB on any circuits of their interest. Students were mentored periodically, and it was observed that they were able to understand and apply the knowledge they earned during this period.







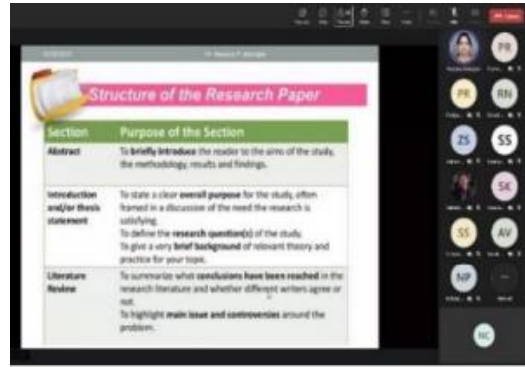
Science can amuse and fascinate us all, but it is engineering that changes the world.

—Isaac Asimov

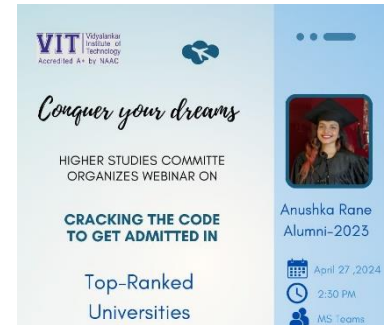


## EESA event

The EESA committee organized a webinar on how to Write A Good Project Report on April 20, 2024. The objective of the event was to introduce the students to the idea of project report writing, Digital Marketing Workshop was also conducted on April 24, 2024. The objective is to introduce digital marketing strategies.



## Webinar on Higher Studies



The Higher Study Committee arranged a webinar on April 27, 2024, to guide the students to get admission to top-ranked universities.

## Electrospark



The Department of Electronics and Computer Science organized a technical event, "ElectroSpark" from April 2 to April 3, 2024. The event witnessed enthusiastic participation from students and Department staff. The two-day event had a range of activities, including a pitcher, project exhibition, poster presentation, art-tronics, and technical quiz.

## EXCELR FDP

Faculty Development Program on Digital Marketing was conducted by EXCELR from May 27-31, 2024 for 10 Hours in Collaboration with MIT Arts Commerce & Science College (Autonomous)-Maharashtra Nishitha Degree College (Autonomous)-Telangana Seshadripuram College-Karnataka, P.B. Siddhartha College of Arts and Science-Andhra Pradesh.

## DEPARTMENT STAFF

**Dr. Nayana Mahajan**  
ASSOCIATE PROFESSOR



**EDUCATION QUALIFICATION:**  
PhD

### WORKING EXPERIENCE

Teaching Experience: 19 Years  
Research Experience: 05 Years  
Technical papers Published: 14  
Book Authored: 01

### AREA OF SPECIALIZATION:

Electrical Machines, Power Electronics and Drives, Electronic Instrumentation and Measurement, Control System, Neural Network and Fuzzy Logic.

**Prof. Pranita Padhye**  
ASSISTANT PROFESSOR

**EDUCATION QUALIFICATION:**  
M.E

### WORKING EXPERIENCE

Teaching Experience: 22 Years  
Industrial Experience: 1.5 Years  
Technical Papers Published: 06

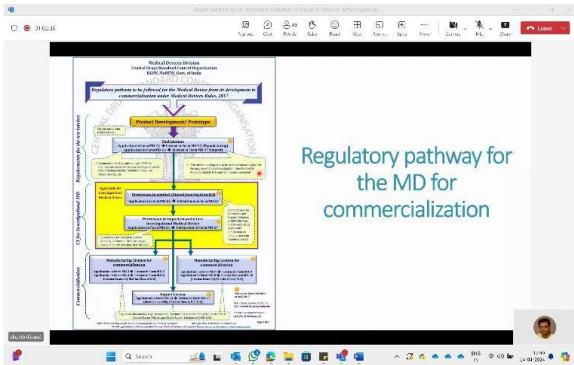
### AREA OF SPECIALIZATION:

Wireless Networks, Computer Networks, Microwave Communication, Analog and Digital Communication



“Your time is limited, don't waste it living someone else's life.”  
-Steve Jobs

## Expert talk on "Ensuring Safety and Compliance: Standards for Clinical and Analytical Instruments"



An expert talk titled "Ensuring Safety and Compliance: Standards for Clinical and Analytical Instruments" held on April 14, 2024, aimed to educate students on patient safety, standards, and regulations in medical devices. Dr. Shraddha Chauhan, a Clinical & Medical Affairs Specialist from Radiometer, led the session hosted on MS Teams. The session began with an introduction to medical device classifications and patient safety principles.

## Guest Lecture on “Advancements in Healthcare”

On 16th April 2024, a session titled "Advancements in Healthcare" was held for Final Year Biomedical students at Vidyalankar Institute of Technology. Mr. Somesh Pathak, a seasoned expert from Qure.ai, led the session aimed at elucidating the role of hospital consultants and the significance of engineering services in hospital infrastructure. Mr. Pathak shared his experiences in AI-driven tuberculosis diagnostics, emphasizing the role of mathematical concepts in algorithm design. The interactive session concluded with a robust Q&A, addressing student queries on projects and competitive problem-solving.



## Know an Alumnus

### Mr. Siddharth Roychowdhury (2014 Batch).

I am currently heading the Biomedical Engineering Department at Wockhardt Hospitals Nagpur. I look after the key areas like:- Financial Management involving managing budgets, optimizing costs (CAPEX and OPEX), and employing accounting practices etc. VIT has provided me with excellent exposure, and I have had the opportunity to learn from the best teachers in the industry. The college has enabled me to think beyond and manage my time effectively. All the work assigned by our professors not only enhances knowledge but also improves our time management skills, data collection, and data sequencing skills. These skills will propel you forward, aiding in meeting deadlines and fostering punctuality. Respect your professors; they are your lifelong teachers who sometimes adopt a firm approach to shape you for your own benefit. Approach your final year project with the curiosity of an engineer fascinated by science. This approach will prepare you to avoid lifelong revisits to textbooks before interviews or when facing challenges.







To succeed in your mission, you must have single-minded devotion to your goal.

-APJ Abdul Kalam



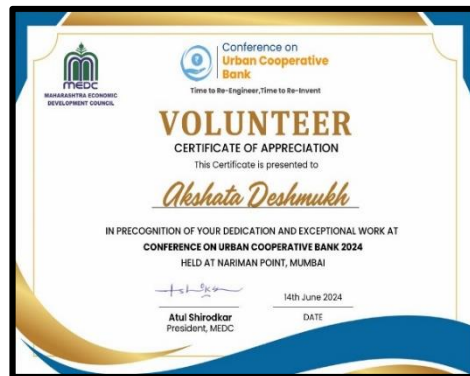
## Snippets Of Summer Internship Experiences

Summer internships provide us an opportunity to apply the theoretical knowledge to real-world business scenarios. Two students from finance specialization have been selected as intern in Reserve Bank of India Mumbai office, Ms. Manjiri Naik and Ms. Gauri Vilas Sawant. Also, Tejashree Khade in HR and Mitali Daga in Marketing have secured an internship opportunity at Adani Electricity and Mahindra Logistics respectively and many others.



## Students Volunteering

Ms. Akshata Deshmukh, Ms. Darsani Nadar, Ms. Isha Dongare, Mr. Asit Wagh, Mr. Sahil Joshi and Mr. Prathmesh Parab are among the First Year MMS students, who volunteered for the conference organized by Maharashtra Economic Development Council (MEDC) on Urban Cooperative Bank on 14th June 2024. in Mumbai.



## Know an Alumna

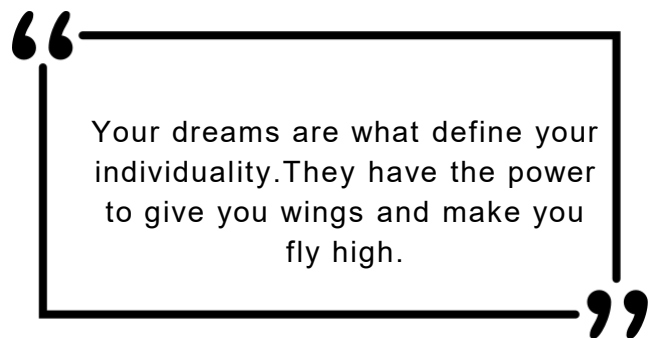
Ms. Manasi Muzumdar is an alumna of the Batch of 2016-18. A dedicated professional with over 4+ years of enriching experience in the Human Resources domain at Jyothy Labs, a prominent FMCG company, passionate about spearheading employee engagement initiatives, designing impactful Employee Training programs, and meticulously overseeing the implementation of Sales Annual Appraisals and Incentive programs. As shared by her: "My accomplishments and my journey has been significantly shaped by my MBA education, at VIT-MMS. The comprehensive curriculum and hands-on learning experiences have equipped me with skills that have been instrumental in my professional growth. I am deeply thankful to the dedicated faculty whose guidance and mentorship have played a pivotal role in shaping my career trajectory. Beyond academics, my involvement in the cultural committee provided me with a platform to develop essential interpersonal and leadership skills. It broadened my perspective and deepened my understanding of cultural diversity, teamwork, and effective communication. I treasure every experience I had at VIT.



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## UPCOMING EVENTS

- CSI WILL HOST ITS FLAGSHIP EVENT CYBERFRAT IN AUGUST 2024
- CESA WILL HOST WORKSHOP ON BLOCKCHAIN IN AUGUST 2024
- FINTECH COMMITTEE WORKSHOP ON “VIRTUAL TRADING” IN 4TH WEEK, JULY 2024
- IEEE CODEAGER IN 3RD AUGUST 2024
- LTSPICE WORKSHOP 2ND WEEK, AUGUST,2024 BY ESCA
- POST BUDGET DISCUSSION AT MMS



-P.V. SINDHU

## THE EDITORIAL TEAM

Dr. Micky Barua  
Chief Editor