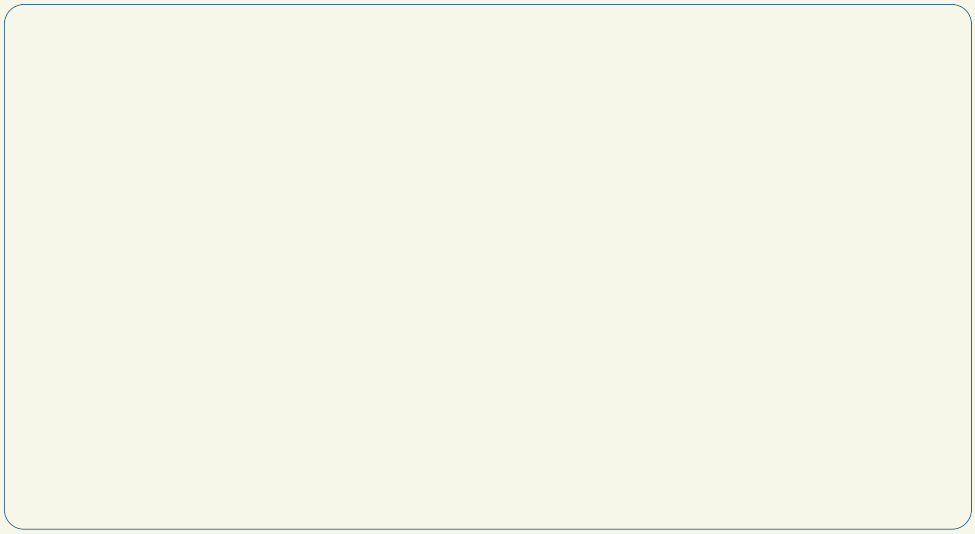
GUEST LECTURES

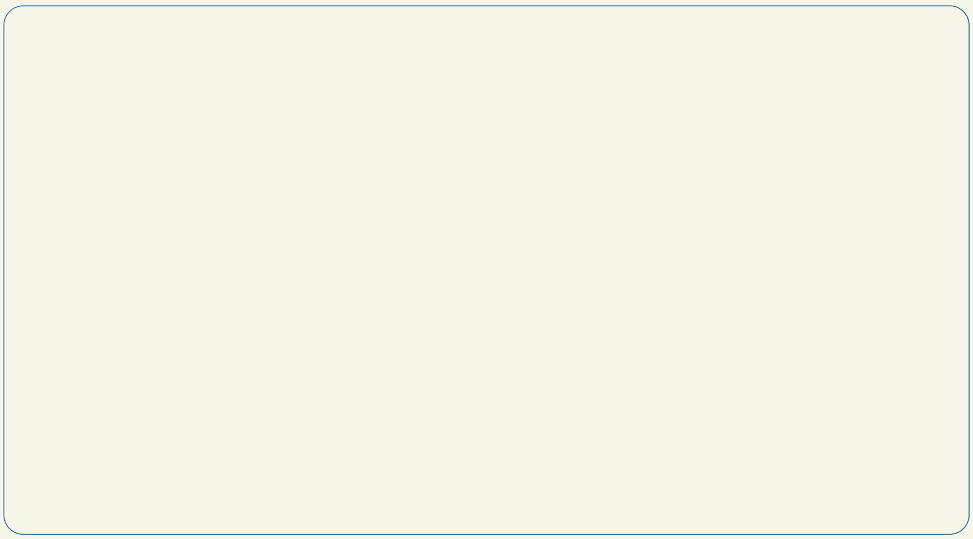
1. **Time Management** by **Mr. Brijesh Joshi**, Assistant Professor at VIVA Institute of Technology

Conducted on: 15th July 2024
No. of Students attended: 45



2. **Defence Technology** and **Defence Sector** by **Mr. Aman Pandey**, Defence R&D Intern, Marine Department (KCTI) Bharat Forge Ltd, Pune

Conducted Online on: 16th August 2024
No. of Students attended: 38



3. **System Security** by **Prof. Neha Lodhe**, Assistant Professor, MET Institute of Computer Science, Bandra

Conducted Online on: 23rd September 2024
No. of Students attended: 30

4. **Applications and Integration of Programming boards** by **Mrs. Poonam Gawade**, Founder, Tantraniketan, Miraroad

Conducted Online on: 6th February 2024
No. of Students attended: 32

5. **Caliberation and Testing** by **Mr. Aniket Kumbhar**, Deputy Engineer, Altop Industries Limited

Conducted Online on: 6th February 2024
No. of Students attended: 35

6. **Cyber Security – The extension of networking** by **Mr. Amit Redkar**, Senior Network Associate, Tata Communication, BKC

Conducted Online on: 28th February 2024
No. of Students attended: 42

7. **Basic Electronics, Startup, Applications and scope of EXTC Engineers** by **Mr. Rohit Pandey**, Founder, Airfly

Conducted Online on: 28th February 2024
No. of Students attended: 45

WORKSHOP 1

Workshop on "Natural Language Processing for Research and Application" was organized by the department on 25th and 26th July 2024.
Speaker: Dr. Harshali Patil, Associate Professor, Somaiya University
Mr Ankit Kumar, Application Engineer for MathWorks, Design Tech Pvt Ltd., Pune

On 25th July 2024 the department of ELECTRONICS AND TELECOMMUNICATION ENGINEERING had organised a 2-day workshop on "Natural Language processing for Research and Application". On day one speaker Dr. Harshali Patil madam started the session online on Google meet by introducing the basics of data analytics in google colab. Day two was in offline mode were Mr. Ankit kumar sir had hand-on session. The workshop was conducted over a period of 2 days, with each day covering specific topics related to natural language processing. The content was structured as follows:

Day 1:

Introduction to Data Analytics using Google Colab

- Data Pre-processing: Techniques for data cleaning, feature engineering, and data transformation.
- Linear Regression: Theory and hands-on implementation of linear regression for predictive modeling.
- Logistic Regression: Application of logistic regression for binary classification problems.

Day 2:

Introduction to NLP and Text Analysis with MATLAB

- Definition and importance of NLP and Text Analysis
- Overview of Text Analytics Toolbox in MATLAB
- Try Text Analytics in 10 Lines of Code
- Key NLP concepts: Tokenization, stemming, lemmatization, part-of-speech tagging, etc.

Text Pre-processing

- Importing text data in MATLAB
- Text cleaning: Removing punctuation, stop words, and special characters
- Tokenization, stemming, and lemmatization using MATLAB functions

Data Visualization for Text Analysis Results

- Creating visualizations for text analysis data using MATLAB functions (bar charts, word clouds)

The Workshop on "Natural Language processing for Research and Application" organized was a resounding success, achieving its intended objectives of introducing participants to the world of google colab and MATLAB. The content was well-structured, and the combination of lectures, hands-on exercises, case studies, and group projects ensured a comprehensive learning experience for all attendees.

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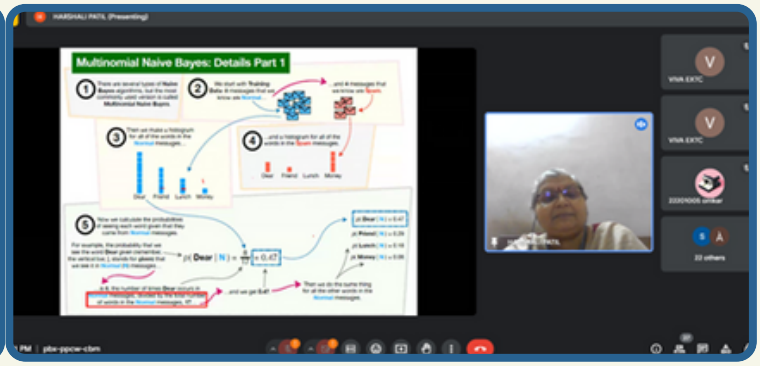

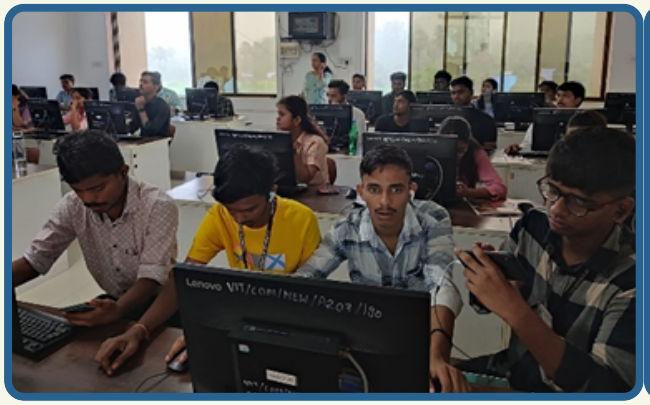

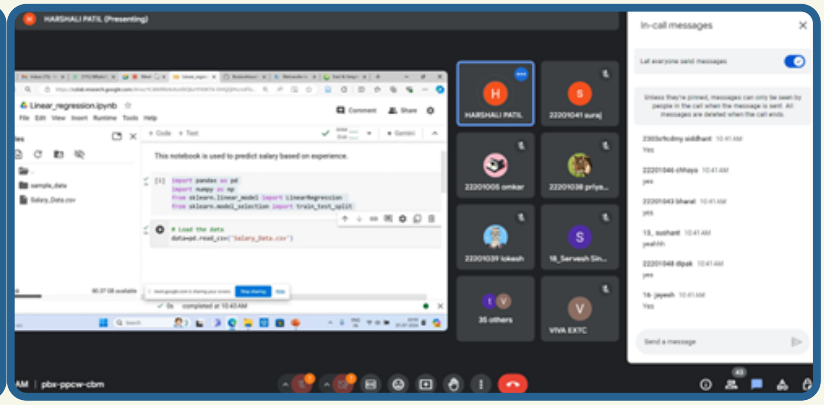

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WORKSHOP 2

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Workshop on "Design Thinking" was organized by the department on 27th Jan 2025.

Speaker: Mrs. Kshitija Katare, General Manager, Edba Academy

Design Thinking is a structured yet flexible approach to problem-solving that emphasizes creativity, user-centric solutions, and iterative refinement. As engineering students, mastering Design Thinking can significantly enhance our ability to develop innovative solutions to real-world problems. This report explores the fundamentals of Design Thinking, its core principles, its application in engineering problem-solving, and real-world examples of its impact.

The Five Stages of Design Thinking

1. Empathize – Understanding the User
Empathy is the foundation of Design Thinking. This phase involves deep research, user interviews, and observations to gain insights into user needs, behaviors, and challenges. Engineers must step into the users' shoes to create meaningful solutions.

2. Define – Framing the Problem
After gathering insights, the next step is defining the core problem. A well-articulated problem statement is specific and actionable, guiding the ideation process effectively.

3. Ideate – Generating Creative Solutions
In this phase, brainstorming sessions take place to generate a wide range of potential solutions. The goal is to explore multiple ideas without judgment, encouraging creativity and innovation.

4. Prototype – Building and Testing Models
Prototyping involves creating low-cost, simplified versions of potential solutions. These prototypes are tested and refined based on user feedback, helping engineers identify the most viable and effective approach.

5. Test – Refining the Solution
Testing ensures the effectiveness of the solution by collecting user feedback and iterating on the design. Engineers analyze how well the solution meets user needs and make improvements accordingly.

Applications of Design Thinking in Engineering

Design Thinking is widely applied in various engineering fields, including:

- **Product Design:** Companies like Apple and Tesla use Design Thinking to create user-friendly, innovative products.
- **Software Development:** Agile development incorporates Design Thinking principles to improve user experience.
- **Healthcare Engineering:** Engineers use Design Thinking to design medical devices and healthcare solutions tailored to patient needs.
- **Sustainable Engineering:** Encourages environmentally friendly and efficient solutions for real-world challenges.

Real-World Example: Design Thinking in Action

A well-known example of Design Thinking is its application in developing low-cost medical devices for rural healthcare. Engineers used a human-centered approach to design an affordable incubator for premature infants in remote areas. By understanding the needs of doctors and patients, they created a portable, cost-effective, and energy-efficient solution.

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INDUSTRIAL VISIT

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1. PRECI-TECH Weighing System, Vasai

Objective:
The visit aimed to enhance student's practical knowledge of various electronic components and operations such as understanding of transducers and their applications in weighing systems, focusing on the conversion of mechanical energy into electrical energy, and practical insights into various components used in such systems.
Key Learning Points:

1. Transducers and Their Function:
Transducers: Devices that convert mechanical energy into electrical energy. Students observed how transducers are used in weighing systems to measure changes in resistance.
Strain Gauge: Utilized to measure changes in resistance due to mechanical stress. For every 5-volt input, the output is 2 mW/V. This is relevant to the EICS (Electrical Instrumentation and Control Systems) subject.

2.Wheatstone Bridge Circuit: Students revisited the Wheatstone Bridge principle, a fundamental concept for measuring resistance changes in strain gauges. The Wheatstone Bridge is critical for accurate strain measurement.

3. Load Cell Components Live and Dead Parts: The visit included a demonstration of the load cell's live and dead parts, providing insights into their construction and function.
RS232 Connection: Observed how the load cell interfaces with a computer via RS232, facilitating the weighing machine's functions, including its use as a filling machine and tensile testing machine.

4. Construction and Components:
Power Supply: The construction of the weighing system includes a Li-ion charger using Constant Current/Constant Voltage (CC/CV) for fast and durable operation.
Transformer: Instead of using an EI core transformer, an R-core transformer is employed for better performance.
Amplifier: An essential component in the system, integrated within the microprocessor. The system uses the 328H microprocessor with an Analog-to-Digital Converter (ADC).

5. Product Range: The weighing system is capable of measuring weights ranging from 10 mg to 100 tons, demonstrating the versatility and precision of the technology.

Conclusion:
The visit to Preci Tech provided valuable hands-on experience and a deeper understanding of how mechanical energy is converted into electrical signals in weighing systems. The students gained practical knowledge about the components involved, including strain gauges, Wheatstone bridges, and various construction elements. This experience is directly applicable to their studies in EICS and will enhance their practical skills in the field of electronics and instrumentation

2. Tata Institute of Fundamental Research (TIFR), Mumbai

Objective:
The objective of the visit to Tata Institute of Fundamental Research (TIFR) was to explore advanced laser technologies, optical fiber propagation, and material science. Key focuses included laser-based lens fabrication, Chirped Pulse Amplification (CPA), and applications in eye surgery and photonic circuits. The visit also provided insights into ultra-fast lasers, harmonic generation, and advanced machining techniques.

Key Learning Points:

1. Optical Fiber Light Propagation: Understanding the techniques used for the controlled spreading of light through optical fibers, crucial for precision communication and sensing applications.

2. Laser-Based Fabrication: Observing the creation of lenses in glass using femtosecond lasers and Chirped Pulse Amplification (CPA), demonstrating advanced methods for high precision material processing.

3. Filamentation Techniques: Learning about self-focusing and defocusing in filamentation to extend light propagation, with specific applications in wavelength control and energy concentration, such as the 530 nm layer generator.

4. Applications in High-Tech Fields: Exploring the use of laser and optical technologies in eye surgery, micromachining, and photonic circuits, with reference to similar setups in leading institutions like IIT Madras, Kharagpur, and Pune.

5. Ultra-Fast Lasers and Harmonic Generation: Gaining insights into the generation of THz radiation (0.1 to 10 THz) and the study of exotic material properties, emphasizing the role of ultra-fast lasers in advanced scientific research.

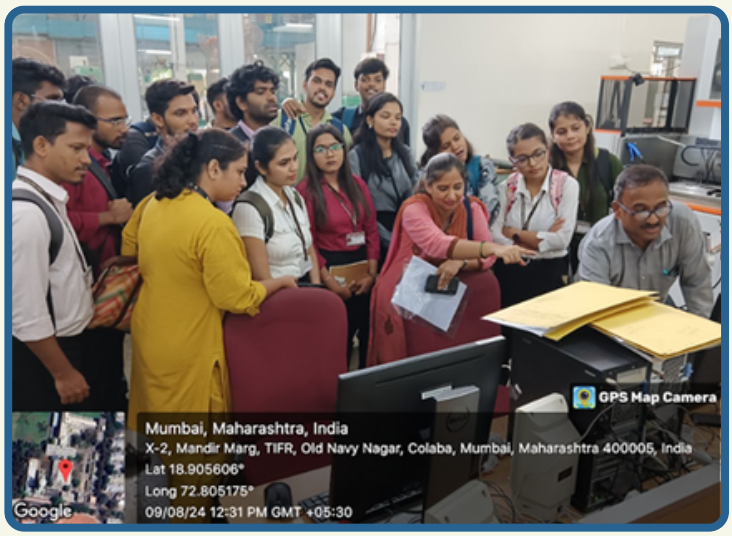
6. Material Properties and Nonlinear Physics: Investigating the nonlinear properties of materials, especially in semiconductors, and their implications for condensed matter physics, with a focus on photonic fields and band gap levels.

7. Advanced Machining Techniques: Understanding the use of 5-axis machines, drilling machines, and wire cutting technologies in precise material processing, highlighting the importance of efficient material usage and advanced design in manufacturing.

8. Cooling and Material Preservation: Learning about the importance of coolant systems, such as using distilled water in machining processes, and techniques like copper and zinc coating for material preservation during wire cutting.

Conclusion:

The visit to the Tata Institute of Fundamental Research provided key insights into advanced laser technologies, including optical fiber light propagation, femtosecond laser fabrication, and Chirped Pulse Amplification (CPA). We explored applications in eye surgery, micromachining, and photonic circuits, along with the importance of ultra-fast lasers and harmonic generation. The visit also highlighted advanced machining techniques and their role in material science and semiconductor research.



3. Centre for Excellence in Telecom Technology and Management (CETTM), MTNL

Introduction:

On August 14, 2024, the Electronics and Telecommunication Department of VIVA Institute of Technology organized an industrial visit to the Centre of Excellence in Telecom Technology and Management (CETTM), MTNL, Mumbai. The visit was aimed at providing students with practical insights into advanced telecommunications technologies and management practices, as well as to offer exposure to state-of-the-art facilities and industry-leading practices.

Objectives of the Visit:

Technological Exposure: To explore the latest advancements in telecommunications technology as showcased at CETTM.

Management Insights: To understand the management practices and strategic approaches employed in the telecom industry.

Hands-On Learning: To engage in practical exercises with telecom equipment and technologies.

Professional Interaction: To interact with industry professionals and gain insights into current trends and career opportunities in telecommunications.

Conclusion:

The industrial visit to CETTM, MTNL Mumbai was a highly successful educational event, offering us valuable insights into advanced telecommunications technologies. The practical workshops, facility tour, and interactions with industry experts enriched our learning experiences and provided a deeper understanding of our field of study. The department looks forward to organizing similar visits in the future to continue enhancing our educational experiences.

4 Dedicated Freight Corridor Corporation of India Limited (DFCCIL), Umergaon, Gujarat

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED (DFCCIL), WHICH UNDERTAKES PLANNING & DEVELOPMENT, MOBILIZATION OF FINANCIAL RESOURCES, CONSTRUCTION, OPERATION & MAINTENANCE, AND BUSINESS DEVELOPMENT OF THE DEDICATED FREIGHT CORRIDORS. DFCCIL WAS INCORPORATED AS A SCHEDULE A COMPANY UNDER THE COMPANY'S ACT 1956 ON 30TH OCTOBER 2006.

During the visit, we explored the facility and gained insights into the various operations involved in maintaining and developing the dedicated freight corridors. The field has a total of four departments:

1. Civil Department - We learned about the structural integrity of railway infrastructure, track laying processes, and maintenance techniques to ensure smooth and safe railway operations.
2. Electrical Department - We gained knowledge about the electrification of railway tracks, power distribution systems, and safety measures taken to ensure uninterrupted train movement.
3. Signal and Telecommunication Department - We understood the functioning of railway signaling systems, automation in train control, and the importance of secure communication for efficient railway operations.
4. Relay Lab - We explored the testing and certification of relay systems, their role in railway safety, and how they contribute to effective train signaling and control.

We had the opportunity to tour two specialized labs within the DFCCIL facility, each focusing on different aspects of testing and certification:

1. Signal and Telecommunication Lab
2. Relay Lab

We are truly grateful for the opportunity to observe and learn from the innovative systems and best practices atyour facility. This visit has reinforced our understanding of teamwork, innovation, and sustainability within the industrial sector.

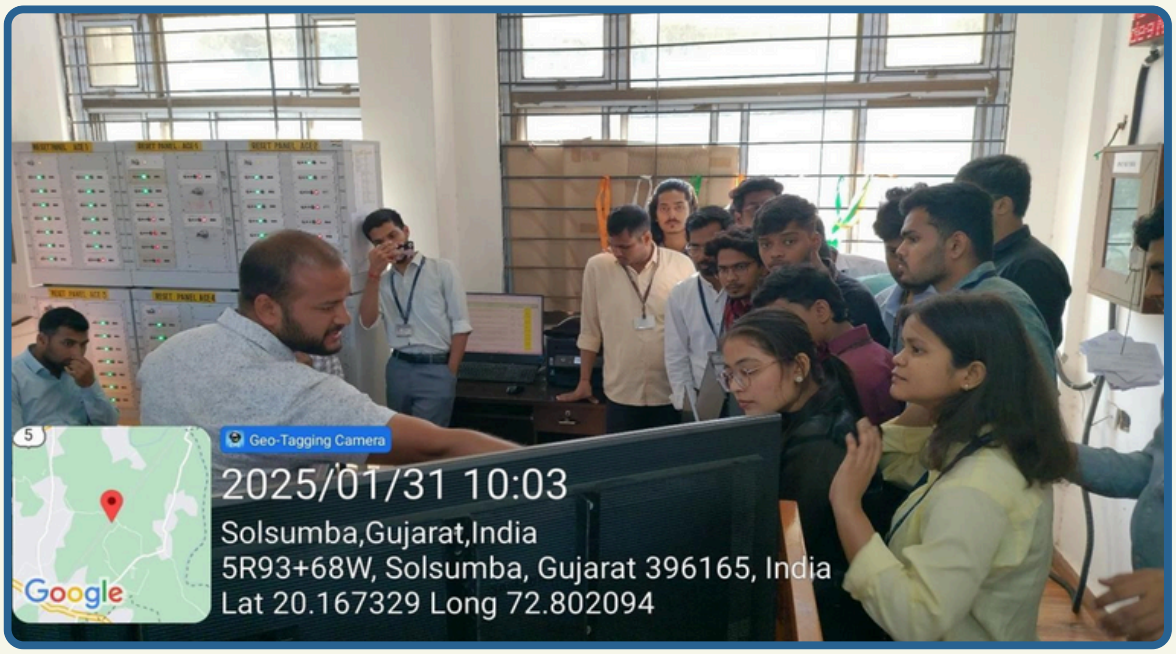
Key Learnings:

- We witnessed the practical applications of standards and quality control measures.
- Gained insights into the importance of standardization in railway infrastructure and operations.
- Understood the significance of relay and signaling systems in ensuring the safety and efficiency of railway transportation.
- Explored how different departments collaborate for seamless railway operations.
- Acquired hands-on knowledge about the fundamental workings of civil, electrical, signaling, and relay departments.

The industrial visit to DFCCIL was a valuable experience, providing us with practical knowledge and insights into the processes involved.

WE SINCERELY THANK MR. AMARJEET FOR PROVIDING US WITH THIS VALUABLE OPPORTUNITY TO GROW AND EXPAND OUR KNOWLEDGE. YOUR GUIDANCE HAS SPARKED NEW IDEAS AND AVENUES THAT WE WILL BE SURE TO PURSUE. IT WAS TRULY INSIGHTFUL TO VISIT DFCCIL.

A total of 46 students, along with 8 faculty members, participated in this visit.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STUDENT ACHIEVEMENTS

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Event name	**Anveshana Science & Engineering Fair 2024-25**
Team Members	Niraj Dhadve (BE EXTC) and Sakshi More (BE EXTC)
Brief Description	Project titled **"ParkSathi : Smart Parking System for Space Sharing and Management using ANPR & IoT"** in Building bridges to innovation competition.
Benefit to society	This system reduces parking hassles, improves space utilization, and provides additional revenue streams for private parking owners and malls, creating an efficient and scalable solution for modern urban challenges
Venue/Organization By Date	Bombay Bunts Association, Juinagar, Navi Mumbai (Maharashtra) on **9th and 10th January 2025**
Position Obtained	**2nd Prize** Cash Prize **₹ 25000/-**
Photographs	

Event name	**Anveshana Science & Engineering Fair 2024-25**
Team Members	Ali Firoz (BE EXTC) and Eshaan Bangera (BE EXTC)
Brief Description	Project titled **"BlueWave Cleanser"** in Building bridges to innovation competition.
Benefit to society	This robot addresses environmental pollution with minimal human intervention, contributing to healthier aquatic ecosystems.
Venue/Organization By Date	Bombay Bunts Association, Juinagar, Navi Mumbai (Maharashtra) on 9th and 10th January 2025
Position Obtained	**4th Prize** Cash Prize **₹ 15000/-**
Photographs	

Event name	**Anveshana Science & Engineering Fair 2024-25**
Team Members	Servesh Singh (BE EXTC) and Suraj Ambekar (BE EXTC)
Brief Description	Project titled **"VisionArm: AI Sort & Face Track"** in Building bridges to innovation competition.
Benefit to society	The project aims to demonstrate advancements in automation and robotics for practical applications in industrial and educational environments
Venue/Organization By Date	Bombay Bunts Association, Juinagar, Navi Mumbai (Maharashtra) on **9th and 10th January 2025**
Position Obtained	**5th Prize** Cash Prize **₹ 10000/-**
Photographs	

Event name	**Anveshana Science & Engineering Fair 2024-25**
Team Members	Sahil Kadam (SE EXTC), Shubham Dangle (SE EXTC) Swapnil Biradar (SE EXTC), Prathamesh Gurav (SE EXTC)
Brief Description	Project titled **"Smart Agriculture Monitoring System"** in Building bridges to innovation competition
Benefit to society	This project focuses on designing an IoT-based automation system for nurseries using the NodeMCU ESP8266 microcontroller which not only reduces manual effort but also enhances plant health and resource optimization, making it a cost-effective choice for modern nurseries.
Venue/Organization By Date	Bombay Bunts Association, Juinagar, Navi Mumbai (Maharashtra) on **9th and 10th January 2025**
Position Obtained	**Consolation Cash Prize ₹ 5000/-**
Photographs	

Event name	**ISF Congress 2025 – Smart Future: Convergence of AI, IoT & 5G**
Team Members	JAYESH ANIL SABLE, SIDDHESH ANAND VADISHERLA, TANUSHRI GANESH SAWANT, VISHNU YOGESH MISHRA
Brief Description	Project titled "SELF BALANCING 2.0"in Emerging Technologies and Innovations track under InnovateX (Project Demo) – Live working prototypes of IoT & AI solutions
Benefit to society	Self-balancing robots represent a fusion of technology and innovation that can significantly impact various sectors, improve efficiency, and enhance the overall quality of life in society.
Venue/Organization By Date	Shah & Anchor Kutchhi Engineering College (SAKEC), Mumbai in association with IETE Mumbai Centre on 28th March 2025
Position Obtained	**2nd place with Cash Prize ₹ 3000/-**
Photographs	

AGASTYA

No. 101, Varsiv Plaza,
12, Jayamahal Main Road,
Bangalore - 560 046.
Ph:+91-80-41126132, 23540064
www.agastya.org

Date: 26/03/2025

Certificate of Completion

This certificate is awarded to following students from **VIVA Institute of Technology, Virar** for successfully mentoring school students **from October 2024 till February 2025** to solve real world environmental problems, to devise a solution to make city a better place to live through **Schools Challenge Competition.**

The competition encouraged students to develop skills that will help them in future studies and careers, particularly

- Listening and presenting
- creative-thinking
- problem solving skill
- Teamwork and leadership
- Staying positive and aiming high
- Improve learning achievement and expand opportunities.

Actively Participated Students:

1	Sahil Kadam	10	Aparna Mandal
2	Shubham Dangle	11	Janhavi Ovalkar
3	Swapnil Biradar	12	Kaustubh More
4	Chaitanya Raut	13	Shruti Meher
5	Ganesh Torde	14	Bhavesh Shetty
6	Sahil Singh	15	Darshan Patil
7	Shariq Khan	16	Bhavik Patil
8	Jayesh Sable	17	Sanket Gawade
9	Siddhesh Vadisherla		

AGASTYA INTERNATIONAL FOUNDATION
MAHARASHTRA
Parag Sawant
Regional Experience Leader
Agastya International Foundation

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SCHOOLS CHALLENGE 2025

Gr. No.	Project Name	Name of the Students		Remark
1	NeuroVibes Jacket : Smart Massager Jacket	Chaitanya Raut	TE EXTC	Finalist_Top 20 (Won 5th Prize)
		Ganesh Torde	TE EXTC	
2	MediDose : Precision Medicine Dispenser	SahiL Kadam	SE EXTC	Finalist_Top 20 (Won 4th Prize)
		Shubham Dangle	SE EXTC	
		Swapnil Biradar	SE EXTC	
		Darshan Patil	SE EXTC	

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Event name	**Avishkar 2025**
Team Members	Mohit Neha Ramesh and Halli Omkar Chandrakant (BE EXTC)
Brief Description	Project titled **"Women's Power Bang"** in Building bridges to innovation competition.
Benefit to society	**Final Poster Round:** Vivekanand Education Society's Institute of Technology, Chembur, Mumbai (15th December 2024) **Final Podium Round:** DLLE Audio Visual Hall, Second Floor, Vidypeeth Vidyarthi Bhavan, 'B' Road, Churchgate, Mumbai (23rd December 2024)
Venue/Organization By Date	Shah & Anchor Kutchhi Engineering College (SAKEC), Mumbai in association with IETE Mumbai Centre on 28th March 2025
Position Obtained	**Selected for Final Podium round**
Photographs	

University of Mumbai

19th Aavishkar

Inter-Collegiate / Institute / Department Research Convention
(Zonal Round)
Academic Year 2024-25

Certificate of Merit

This is to Certify that **Mr. Mohit Neha Ramesh** of **VIVA Insitute of Technology, Shirgaon, Virar** has participated and presented a Research Project titled **Women' Power Bang in Engineering and Technology** Category and **UG** Level at 19th Aavishkar: **Inter-Collegiate / Institute / Department Research Convention (Zonal Round)** organized by the University of Mumbai at Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai on December 15, 2024 for **Engineering Colleges/Institutes** Zone. The said Research Project is selected for 19th Aavishkar: Inter-Collegiate / Institute / Department Research Convention (Final Round).

Dr. Minakshi Gurav
CSD,
Aavishkar,
University of Mumbai

Dr. Sunil Patil
Director,
Department of Students' Development,
University of Mumbai

December 15, 2024
Koparkhairane, Navi Mumbai

University of Mumbai

19th Aavishkar

Inter-Collegiate / Institute / Department Research Convention
(Zonal Round)
Academic Year 2024-25

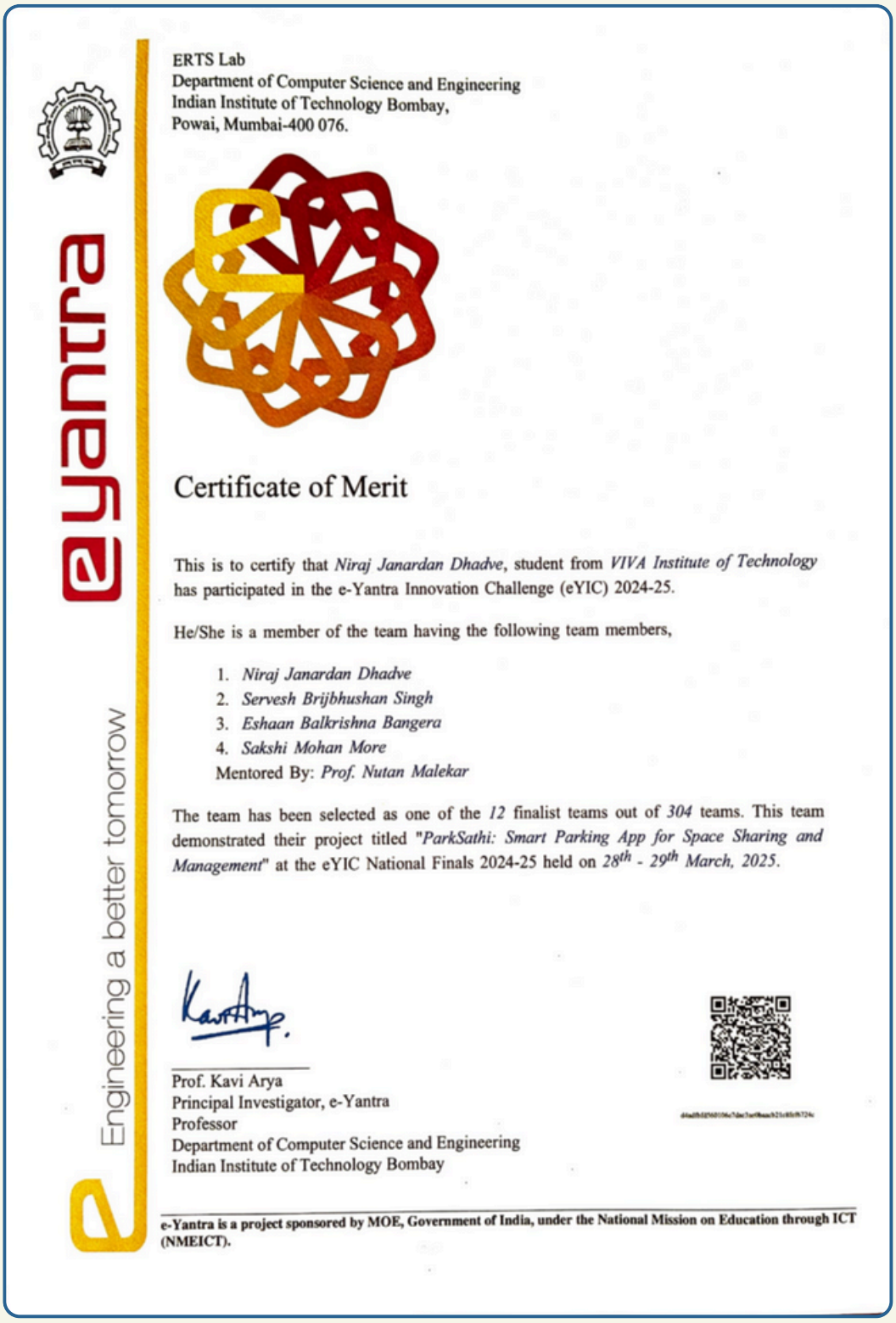
Certificate of Merit

This is to Certify that **Mr. Halli Omkar Chandrakant** of **VIVA Insitute of Technology, Shirgaon, Virar** has participated and presented a Research Project titled **Women' Power Bang** in **Engineering and Technology** Category and **UG** Level at 19th Aavishkar: Inter-Collegiate / Institute / Department Research Convention (Zonal Round) organized by the University of Mumbai at Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai on December 15, 2024 for **Engineering Colleges/Institutes** Zone. The said Research Project is selected for 19th Aavishkar: Inter-Collegiate / Institute / Department Research Convention (Final Round).

Dr. Minakshi Gurav
OSD,
Aavishkar,
University of Mumbai

Dr. Sunil Patil
Director,
Department of Students' Development,
University of Mumbai

December 15, 2024
Koparkhairane, Navi Mumbai



ERTS Lab
Department of Computer Science and Engineering
Indian Institute of Technology Bombay,
Powai, Mumbai-400 076.

eYantra

Engineering a better tomorrow

Certificate of Merit

This is to certify that *Niraj Janardan Dhadve*, student from *VIVA Institute of Technology* has participated in the e-Yantra Innovation Challenge (eYIC) 2024-25.

He/She is a member of the team having the following team members,

1. *Niraj Janardan Dhadve*
2. *Servesh Brijbhushan Singh*
3. *Eshaan Balkrishna Bangera*
4. *Sakshi Mohan More*

Mentored By: *Prof. Nutan Malekar*

The team has been selected as one of the *12* finalist teams out of *304* teams. This team demonstrated their project titled "*ParkSathi: Smart Parking App for Space Sharing and Management*" at the eYIC National Finals 2024-25 held on *28th - 29th March, 2025*.

Prof. Kavi Arya
Principal Investigator, e-Yantra
Professor
Department of Computer Science and Engineering
Indian Institute of Technology Bombay

e-Yantra is a project sponsored by MOE, Government of India, under the National Mission on Education through ICT (NMEICT).

Eshaan Bangera, Niraj Dhadve, Servesh Singh, and Sakshi More participated in the **e-Yantra Innovation Challenge (eYIC) 2024-25** with Project titles **"Parksathi: Smart Parking App for Space Sharing and Management"** and got selected as one of the 12 finalist teams out of 304 teams

Chaitanya Raut and Ganesh Torde participated in **School Challenge 2025** with project titled **"NeuroVibes Jacket : Smart Massager Jacket"** and **won 5th Prize.**

AGASTYA INTERNATIONAL FOUNDATION
Supported by Rafle Family Foundation & Others

THE SCHOOLS CHALLENGE
MUMBAI

Certificate of Excellence

THE FOLLOWING AWARD IS GIVEN TO

SWAPNIL BIRADAR

Your remarkable performance in The Schools Challenge Mumbai,2024-25 has earned you the *FOURTH PLACE* award.

MR. K. THIAGARAJAN – EXEC. VICE CHAIRMAN,
AGASTYA INTERNATIONAL FOUNDATION

Sahil Kadam, Shubham Dangle, Swapnil Biradar and Darshan Patil participated in **School Challenge 2025** with project titled **"MediDose : Precision Medicine Dispenser"** and **won 4th Prize.**

St. Francis Institute of Technology
Mount Poinsur, S.V.P. Road, Borivali (West), Mumbai 400 103
Approved by AICTE | ISO 9001: 2015 Certified | Permanently affiliated to University of Mumbai
All eligible courses are NBA accredited | NAAC A+ Grade

Conception EXTC

Certificate of Excellence

This is to certify that Mr./Ms. OMKAR HALLI, from VIVA INSTITUTE OF TECHNOLOGY has won the SECOND prize for the project titled "DRAGIFY" under the SOFTWARE category from the COMMUNICATION SYSTEMS & NETWORKING domain in the Intercollege Poster Presentation Competition, CONCEPTION 2025, conducted by the Electronics and Telecommunication Engineering department at the St. Francis Institute of Technology, Borivali, on 9th April, 2025.

Dr. Ravindra Chaudhari
Project Coordinator, EXTC Dept

Dr. Kevin Noronha
Convener and HOD, EXTC Dept

Dr. Sincy George
Principal

Omkar Halli and Neha Mohit participated in Intercollege Poster Presentation Competition, CONCEPTION 2025, **St. Francis Institute of Technology**, Borivali with Project titled **"DRAGIFY"** and won **2nd Prize.**

अंतरिक्ष विभाग /DEPARTMENT OF SPACE
भारत सरकार/GOVERNMENT OF INDIA
भारतीय अंतरिक्ष अनुसंधान संगठन /INDIAN SPACE RESEARCH ORGANISATION
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

नामांकन सं. / Enrolment No.: 20241472544371

CERTIFICATE OF MERIT
ONLINE COURSE

यह प्रमाणपत्र
MR. BHAVESH BHASKAR SHETTY
को " सुदूर संवेदन एवं अंकीय छवि विश्लेषण "
में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है।
इस ऑनलाइन पाठ्यक्रम का आयोजन 2024-08-27 से 2024-09-20 (कुल पाठ्यक्रम की अवधि = 24 घंटे) के दौरान किया गया।
(संबन्धित आई.आई.आर.एस नोडल केंद्र- VIVA प्रौद्योगिकी संस्थान)

THIS CERTIFICATE IS
AWARDED TO
MR. BHAVESH BHASKAR SHETTY
ON COMPLETION OF THE ONLINE COURSE ON
"Remote Sensing and Digital Image Analysis"
THIS ONLINE COURSE WAS CONDUCTED DURING 27 August 2024 to 20 September 2024 (Total course duration = 24 hrs).
(Concerned IIRS Nodal Centre- VIVA Institute of Technology)

Online Exam Grade: A
Attendance: 100 %

Date: 21-10-2024
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/ Institution

निदेशक/ Director
आई.आई.आर.एस, देहरादून/ IIRS, Dehradun

Bhavesh Shetty, SE EXTC Student completed **"Remote Sensing and Digital Image Analysis"** online course conducted by ISRO, Dehradhun.

THE Open GROUP
The Open Group India Awards 2024
Certificate of Recognition
VIVA Institute of Technology
Team Brainly Fools
INITIATE Enterprise Architecture Competition for Students

Team Brainly Fools (BE EXTC Students, Firoz Ali , Priyanshu Singh, Eshaan Bangera, Omkar Halli and Bhalchand Gaund) have been appreciated for their commitment, teamwork and dedication in Initiate Enterprises Architecture Competition organized by The Open Group (Innovation & Excellence in the use of Open Standards and Open Source)

Niraj Dhadve student of EXTC department at VIVA Institute of Technology, grabbed **1st position** in the Space Station Making competition at the **Cosmic Fest 2025** by the Sky Explorers on 25th April 2025.

FACULTY ACHIEVEMENTS

Dr. Archana Ingle	**NPTEL | IIT Kharagpur** Roadmap for Patent Creation- 75% **Elite Silver Certificate**, Jan-Mar 2025
Mr. Pratik Parsewar	**NPTEL | IIT Madras** Wireless Ad Hoc and Sensor Networks- 68% **Elite Certificate**, Jan-March 2025
Mrs. Meena Perla	**NPTEL | IISC Bangalore** Roadmap for Patent Creation- 58% **Certificate**, Jan-Mar 2025
Ms. Nutan Malekar	**NPTEL | IIT Madras** Experimental Robotics- 91% **Elite Gold Certificate** Feb-March 2025
Mrs. Sonali Gaikwad	**NPTEL | IIT Kharagpur** Roadmap for Patent Creation- 80% **Elite Silver Certificate,** Jan-Mar 2025
Mrs. Jyoti Deore	**NPTEL | IISC Bangalore** Teaching And Learning in Engineering (TALE)- 63% **Elite Certificate,** Jan-Feb 2024

CONGRATULATIONS

TOP RANKER CGPI

BE EXTC (SEM VIII)

SERVESH SINGH

7.86

ESHAAN BANGERA

7.53

SAKSHI MORE

7.35

CONGRATULATIONS

COLLEGE PLACEMENTS

[redacted] [redacted]

SERVESH SINGH

GET / Jerai Fitness Equipment

FIROZ ALI

GET / Jerai Fitness Equipment

NIRAJ DHADVE

GET / Jerai Fitness Equipment

[redacted] [redacted]

CLASS PHOTO (AY 2024-25)

[redacted] [redacted]

B.E [redacted]

T.E [redacted]

S.E [redacted]

DEGREE DISTRIBUTION CEREMONY

[redacted] [redacted]

[redacted] [redacted]

[redacted]

[redacted]

ALUMNI CORNER: STUDENT SPEAKS

MS. SAKSHI MORE

Spending four years at VIVA Institute of Technology as an Electronics and Telecommunication Engineering student has been a truly transformative experience. The academic environment was both challenging and supportive, allowing me to grow intellectually and personally. With the guidance of knowledgeable and dedicated professors, I developed a strong foundation in core technical subjects and gained exposure to advanced technologies that prepared me well for my career.

Beyond academics, the college offered numerous opportunities that contributed to my overall development. Actively participating in student bodies and organizing various panels helped me sharpen my communication, leadership, and teamwork skills. Engaging in seminars, extracurricular activities, and collaborative projects enriched my learning journey and broadened my perspective.

What truly made my time at VIVA special was the constant support from both teaching and non-teaching staff. Their encouragement and understanding created a positive atmosphere that motivated me to give my best.

I am proud to be a graduate of VIVA Institute of Technology—a place that has shaped me into a confident, capable, and well-rounded individual.

MR. MANAS LAGORI

“It’s an absolute pleasure to share what has truly been a transformative journey for us at the VIVA Institute of Technology, pursuing our Bachelor's in Electronics and Telecommunication Engineering.

Over the past four years, this experience has been nothing short of enriching and immensely beneficial. Under the guidance of our highly competent professors, we explored a wide range of hard skills and technologies—gaining not just technical knowledge but invaluable expertise.

The journey through the EXTC department was filled with diverse learning experiences. From delving into both digital and analog electronics to exploring cutting-edge telecommunications technologies, every aspect of the curriculum broadened our understanding of the engineering field. Engaging lectures, hands-on experiments, and collaborative projects shaped not only our technical acumen but also fostered critical thinking and problem-solving skills.

Beyond academics, involvement in student bodies and panels allowed us to grow through non-academic soft skills. Extracurricular activities like seminars and collaborative projects further expanded our horizons—instilling teamwork, leadership, and a sense of cooperation.

What made this experience truly special was the support from both teaching and non-teaching staff. Their encouragement created an environment that nurtured both personal and academic growth.

To sum up, the vibrant academic atmosphere and the amazing faculty of the EXTC department made our time here both rewarding and inspiring. We leave with knowledge, memories, friendships, and the confidence to pave the way for a fulfilling career in the ever-evolving world of engineering.”