



VIVA INSTITUTE OF TECHNOLOGY

Department of Electrical Engineering

Newsletter December 2024



Man's brain may be compared to an electric battery...a group of electric batteries will provide more energy than a single battery.

Napoleon Hill



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VISION, MISSION, AND PROGRAM EDUCATIONAL OBJECTIVE

Vision:

To aspire for excellence in imparting quality education in the field of Electrical Engineering with an eagerness of developing a professional mindset along with good human values.

Mission:

- To maintain a benchmark in quality of educational standards in the field of Electrical Engineering.
- To provide a platform for exploring a professional mindset.
- To promote ethical practices for developing good human values.

Program Educational Objectives:

- To provide students with the knowledge of basic sciences and social sciences in general and Electrical engineering in particular, so as to impart the necessary skills to analyze and synthesize electrical circuits, algorithms and complex apparatus.
- To inculcate in student Professional attitude, effective communication skills and capability to succeed in multi-disciplinary and diverse fields.
- To provide technical knowledge, skills and competence to identify, comprehend and solve problems in industry, research and academics related to power, information and hardware.
- To prepare and inspire the students to become future researchers/scientists with innovative ideas for a sustainable development.



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Program Outcomes:

- **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design & Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct Investigation of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
- **Modern Tools Usage:** Create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment & Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics, responsibilities, and norms of engineering practice.
- **Individual & Team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.



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- **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management & Finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long Learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

- The ability to analyze, design, and simulate electrical system, and implement them in various application.
- The ability to apply engineering knowledge, technical skill and solution of complex problem in various field of electrical engineering.



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About the Department:

The department is well established with number of experienced faculty members. The department moves with a mission to produce competent and disciplined electrical engineers.

Departmental laboratories are spacious and adequately equipped. The various faculties of department have presented/published papers in National/International Conferences and journals. Department organizes workshops/seminars in different areas. For all round development of student various expert lectures, industrial visits are periodically organized. The academic results are excellent.

Department of Electrical Engineering aims to establish and concentrate in various areas of electrical engineering such as power quality, energy management, audit etc. and to offer value added services to industries as well as society.

Laboratories:

The Department has six well-established laboratories and highly updated and advanced equipment that will help to enhance the student's technical knowledge to improve their technical skill that can be utilized to explore their knowledge in the outside industrial world.

List of laboratories

1. DC Machines Lab
2. AC Machines Lab
3. Power Electronics Lab
4. Measurement Lab
5. Communication Lab
6. PSPS Lab
7. Project Lab
8. BEE Lab
9. Computer Lab
10. Simulation Lab



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Message by Principal

Dear All,

It gives me an immense pleasure to welcome you to VIVA Institute of Technology, Virar affiliated to University of Mumbai, governed by Vishnu Waman Thakur Charitable Trust. We believe in the fact that “Education is a journey from Information to Knowledge and from Knowledge to Wisdom. The Engineering graduate should be capable to apply knowledge to real time engineering problems and provide solutions, which are technically sound as well as economically viable. Only creative minds can accomplish this task.

A newsletter mirrors the success story of an institution and act as a great medium to reach out to the outer world. It reflects upon the persistent and committed efforts made by faculty, and students for taking the institution one-step ahead. Continuing the same tradition, this issue of newsletter, reflects upon commendable contribution made by all members of Electrical engineering department in their fields of expertise as well as for the overall growth of the institute. I congratulate everyone for their value adding work for the institution and do expect the same in times to come. I also congratulate the editorial team for bringing out present issue of newsletter.

VIVA Institute of Technology nurtures a unique system of education for creating dynamic leaders in the corporate sector, entrepreneurs, academicians, researchers and professionals who contribute to the development of society and nation at large. It has an aesthetically designed and elegantly built campus furnished with state of art equipment and facilities. Here, education is not only focusing on 4 years B.E. degree course but also creating a platform for students to realize their dreams, hone their cognition, sharpen their competence and carve out a wholesome personality.

Wishing you all the best for the fruitful learning journey at VIVA Institute of Technology and for a bright future!

Principal
Dr. Arun Kumar



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HOD's Message

The Aim of Electrical engineering department is to provide quality education. The process of learning is extremely important in life. What you learn, how you learn and where you learn, play crucial role in developing your intellectual capability, besides career. I am proud to see that the students and faculty of our department have put in appreciable effort into creating this newsletter. This newsletter highlights the academic and non- academic activities of both, faculty and students of the Department of Electrical Engineering. I congratulate the editorial team for their brilliant and original efforts. I wish all the students and faculty a great academic career.

H.O.D

- Prof. Bhushan Save



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Teaching Staff Members:

Name	Dr. Deepak Sajnekar
Designation	Associate Professor
Qualification	Ph.D. in control system, M. E
Experience	Teaching: 25.5 Years
Total Experience	25.5 Years

Name	Prof. Bhushan Sharad Save
Designation	Assistant Professor (HOD)
Qualification	M.E.: EXTC
Experience	Teaching: 18.5 Years Industrial: 1 Year
Total Experience	19.5 Years

Name	Prof. Anoj Kumar Yadav
Designation	Assistant Professor
Qualification	M. Tech: Power Electronics & Drives
Experience	Teaching: 13.5 Years
Total Experience	13.5 Years

Name	Prof. Rahul Vijay Abhyankar
Designation	Assistant Professor
Qualification	M.E.: Power System Engineering
Experience	Teaching: 9 Years
Total Experience	9 Years

Name	Prof. Sangita Raju Kamble
Designation	Assistant Professor
Qualification	M. Tech.: P.E.P.S
Experience	Teaching: 6.5 Years Industrial: 2
Total Experience	8.5 Years



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Name	Prof. Tejas Sankpal
Designation	Assistant Professor
Qualification	M.E Pursuing
Experience	Teaching: 2.5 Years Industrial: 1
Total Experience	3.5 Years

Name	Prof. Amit Kumar Vishwakarma
Designation	Assistant Professor
Qualification	M.E Pursuing
Experience	Teaching: 1.5 Years Industrial: 1
Total Experience	2.5 Years

Name	Prof. Sapna Gahlot
Designation	Assistant Professor
Qualification	M.E.: Power Electronics & Drives
Experience	Teaching: 4.5 Years Industrial: 0
Total Experience	4.5 Years

Name	Prof. Reema Gupta
Designation	Assistant Professor
Qualification	M.E Pursuing
Experience	Teaching: 2.5 Years Industrial: 1
Total Experience	3.5 Years



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Non-teaching Staff Members:

Name	Santosh Ashok Joshi
Designation	Lab Assistant
Qualification	M. Sc. Electronics & Communication (Pursuing)
Experience	Lab: 18.5 Years Industrial: 4 Years
Total Experience	22.5 Years

Name	Vaibhav Yashwant Patil
Designation	Lab Assistant
Qualification	I.T.I, NCVT & B. A
Experience	Lab: 11.5 Years Industrial: 5 Years
Total Experience	Years: 16.5 Years

Name	Lav Sham Jadhav
Designation	Lab Assistant
Qualification	Diploma in Electrical Engineering
Experience	Lab: 2.8 Years Industrial: 2.1 Years
Total Experience	Years: 4.9 Years

Name	Sanjay Gajanan Mohite
Designation	Peon
Qualification	S.S.C
Experience	Lab: 22.5 Years Industrial: 00 Years
Total Experience	Years: 22.5 Years



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Toppers List

B.E. Toppers (Semester VII)

Sr. No.	Rank	Name	CGPI
1.	First	Omkar Kurgutkar	8.71
2.	Second	Roshan Joil & Pratik Patil	8.14
3.	Third	Kartik Urumkar	8.10

T.E. Toppers (Semester V)

Sr. No.	Rank	Name	CGPI
1.	First	Bhoir Nilay & Waghela Shashank	7.95
2.	Second	Kunwar Ratanbahadur	7.82
3.	Third	Sane Jinesh & Tawade Prathamesh	7.27

S.E Toppers (Semester III)

Sr. No.	Rank	Name	CGPI
1.	First	Pawar Atharv	7.50
2.	Second	Patil Manad	7.08
3.	Third	Rajbhar Abhishek	6.79



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Welcome to the Electrical Engineering Department, where innovation sparks and dreams of electrifying the future come to life. This year the department conducted various events and activities to emphasize students overall development and improvement. Beyond the classroom, departments spearhead research endeavors, contributing to the advancement of knowledge. This includes academic as well as extracurricular activities. Students are motivated to participate and present papers at national-level conferences. Industrial visits are also arranged occasionally to get exposure to the industrial environment. Guest lectures are also organized by inviting resource persons from industries. The faculty development program, approved by ISTE, is also organized for their skill development.

● Faculty Workshop

On 3rd July 2024, A training program on EDBA software was successfully conducted for faculty members in the seminar hall. Under the guidance of Resource Person Mr. Vishal Kadam, Customer Success Engineer, UNI5 TECH LLP, Virar (West). For future advancement in staff portal.



Training Program on EDBA Software in Seminar Hall

● Departmental Meeting

On 4th July 2024, Monthly departmental meeting was conducted. The meeting was chaired by the Head of Department to address Commencement of Odd semester and Lab Audit Report Follow-up. All available faculty members and non-teaching staff members attended meeting.



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● Training & Placement Cell Event (Placement drive)

On 5th July 2024, the training and placement cell had organized a higher studies guidance program for BE students in seminar hall at 11 AM. Students from Bachelor of Engineering (BE) class had attended the event. Remaining students followed the curriculum timetable. The event was graced by NISIKI India Pvt. Ltd. The event aimed to provide valuable insights on opportunities for higher studies and career pathways, equipping students with the knowledge to make informed decisions about their future endeavor.



Highlights of Career Guidance Program

● Commencement of Odd semester

On 8th July 2024, the commencement of the Odd semester for students of Second Year (SE), Third Year (TE), and Fourth Year (BE) started as planned. All students were instructed to attend the college as per lectures and practical schedules. The guideline was provided to students on course registration. The faculty member provided guidance on using digital platforms for learning.

● NSS Event - World Population Day

On 11 July 2024, the NSS event, World Population Day, took place in the institute campus. Poster making and Awareness Program have been organized. The Principal, NSS coordinators and volunteers, staff and students participated in the event.



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● Mentor Meeting

On 15 July 2024, Every Monday for (SE and TE) students and every Friday for BE Students mentor meetings are conducted as per the scheduling by mentors offering personalized guidance, setting goals and addressing challenges. This support boosts performance, accountability, and motivation, helping students stay engaged in their learning.

● Guest Lecture

On 18th July 2024, A guest lecture was organized for the Final Year (BE) students conducted on “Systematic Literature Review: A Step-by-Step Guide” The guest speaker, Dr. Devshree Ugvekar, offers practical tips and guidance on how to efficiently collect, analyze, and report data from existing literature.



Guest lecture for BE conducted by Dr. Devshree Ugvekar

● Industrial Visit

On 19th July 2024, Industrial Visit for Second year (SE), Third year (TE), Final year (BE) students was organized by the department. Many students were registered for the industrial visit to the Zenith Engineering Corporation, Vasai accompanied by 2 faculty members. The organization operates in the field of Electrical and Electronic Engineering applicable to various Industrial, Power, Infrastructure and Commercial Projects. Industrial visit was coordinated by Prof. Sapna Gahlot and Prof. Amit Vishwakarma, and guided by Mr. Mahatra, Manager at Zenith Engineering Corporation.



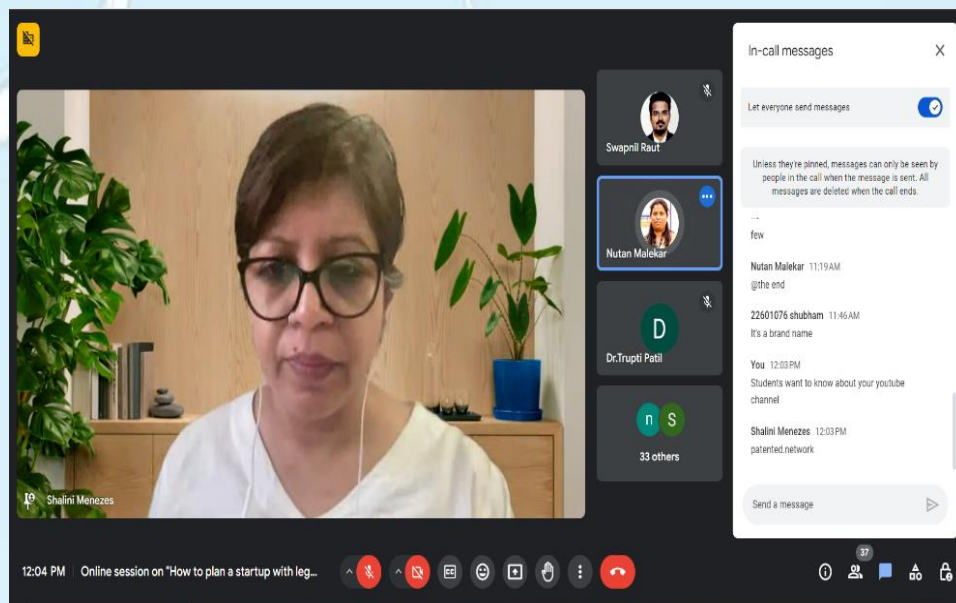
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● Power Seminar

On **19th July 2024**, the 1QAC cell of VIVA Institute of Technology in association with ICT academy and Cognizant Foundation Outreach program. Had organized a power seminar for the Third & Final Year students conducted on “Jobs of the Future” in online mode. The guest speaker Mr. Harish Gowda, Project Manager at Cognizant Foundation Outreach program.



Power Seminar by Mr. Harish Gowda Project Manager at Cognizant Foundation

● IIC Meeting

On **23rd July 2024**, the meeting was attended by the IIC members to discuss key matters related to innovation and institutional development. In addition, the members will plan and finalize the activities for the upcoming Quarter IV.

● NSS Seminar

On **25th July 2024**, a Seminar on “Investor Awareness” was organized with Dr. Mitez Sheth, Director (FMS Edutech), as the resource person. The seminar aimed to educate students, particularly NSS volunteers, on the importance of financial literacy and responsible investing.



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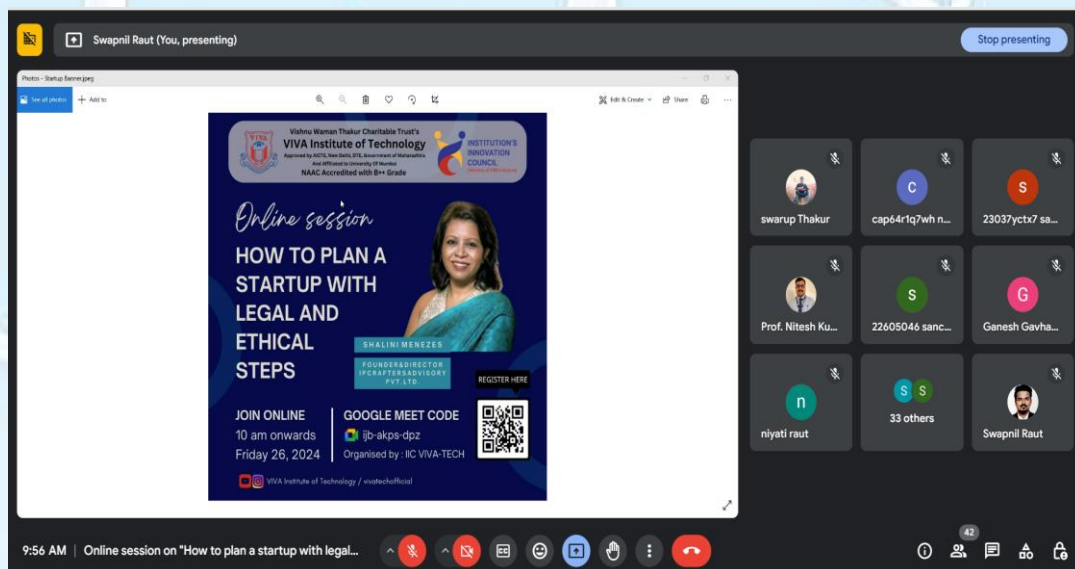
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Seminar For NSS by Dr. Mitez Sheth Director (FMS Edutech)

● IIC Session

On **26th July 2024**, the Institutions Innovation Council (IIC) of Viva Institute of Technology, in association with the MHRD's Innovation Cell (Government of India), has organized an online session on "How to Plan a Startup with Legal and Ethical Steps." The session was led by Ms. Shalini Sitharaman Menezes, an expert consultant from MIPS, who provided valuable insights into the legal and ethical aspects of planning and establishing a startup.



How to Plan a Startup with Legal and Ethical Steps



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● Guest Lecture

On 2nd August 2024, A guest lecture for faculty on the topic of "Protocols for Scholarly Publication" took place. This session has provided an in-depth exploration of essential guidelines and best practices for successful academic publishing, including selecting the right journal, adhering to submission standards, and understanding ethical considerations.



Guest Lecture for Faculty by Dr. Devshree Ugvekar

● Departmental Meeting

On 2nd August 2024, Monthly departmental meeting was conducted. The meeting is about Review of Syllabus Coverage and Committee Revision. All available faculty members and non-teaching staff members attended meeting.

● Compensatory Leave

On 3rd August 2024, The institute approved a compensatory leave to all staff members on 3rd August 2024, in advance of their participation in the TECHCHASE-2024 event scheduled for 31st August 2024.

● Display the Defaulter list-I

On 5th August 2024, Every month the defaulter list is displayed as a reminder of the shortage of attendance of Second Year (SE), Third Year (TE), and Fourth Year (BE) students. Students are advised to maintain 75% attendance and take necessary actions to improve their academic requirements. The department is committed to maintaining transparency throughout the academic year for the well-being and academic success of all students.



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● IIC Session

On **9th August 2024**, The (IIC) of Viva Institute of Technology has organized an online session on "Intellectual Property Rights and IP Management for Startups". The session was conducted by Adv. Anand Mahurkar, Founder Partner of AM Legal Associates, Pune. Provided valuable insights into the importance of protecting intellectual property and the strategies for effective IP management in startups.



Intellectual Property Rights and IP Management for Startups

● Workshop

On **12 August & 13 August 2024**, The department organized a workshop for SE, TE and BE students for two days on the topic of "My Dream Job and Required Skills Worksheet" and "My Class Projects and Research Projects." The Workshop was organized under EESA. The workshop was successfully conducted and encouraged students to think about skills required for their dream Job and difference between class projects and research projects.



Day 1: My Dream Job and Required Skills Worksheet



Day 2: My Class Projects and Research Projects



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● NSS UNIT

On **14th August 2024**, the "Swachh Bharat: Ek Nayi Soch" campaign was organized to spread awareness regarding the importance of cleanliness and sanitation in our daily lives. The event aimed to inspire individuals to adopt clean habits and contribute to a healthier environment.



Swachh Bharat: Ek Nayi Soch

● Student Feedback-I

On **14th August 2024**, the feedback session was conducted for Third Year (TE), and Fourth Year (BE) students to express their opinions and suggestions regarding teaching methodology and course content. Suggestions taken through feedback, improve communication channels between students and faculty.

● IIC Session

On **14th August 2024**, the Institutions Innovation Council (IIC) of Viva Institute of Technology has organized an online session on "Incubation - Opportunities for Students and Faculty as Early-Stage Entrepreneurs". The session had been conducted by Dr. Vivek Sunnapawar, the Principal of K. J. Somaiya Institute of Technology, Sion, Mumbai. Dr. Sunnapawar, an expert in the field of entrepreneurship and innovation, shared valuable insights into the incubation process and how students and faculty can leverage incubation opportunities to develop their early-stage entrepreneurial ventures.



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Incubation - Opportunities for Students and Faculty as Early-Stage Entrepreneurs

● ICT based Training

On **16th August 2024**, the IQAC cell of the institute in association with ICT Academy and Infosys foundation has organized 100 hours (Core Skills- 80Hrs. and Soft Skill- 20 Hrs.) This intensive activity-based training on “Data Analytics and Soft Skills”. This certificate Program is fully sponsored by Infosys and ICT Academy and offered free of cost to the Youth Students.

● Youth Festival

On **18th August 2024**, 47 students from our college are participating in the 57th youth festival at L.R. Tiwari College of Engineering, Mira road, east. Students from Electrical Department is another department is actively participated in events. For individual department individual faculty is assigned.



57th youth festival at L.R. Tiwari College of Engineering, Mira road



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● **Sadbhavana Diwas**

On **20th August 2024**, the NSS UNIT commemorated the birth anniversary of former Prime Minister Rajiv Gandhi on the occasion of Sadbhavana Diwas. The event included a pledge-taking ceremony, participants took an oath to promote peace, harmony and national integrity.

● **IA 1**

From **21st to 23rd August 2024**, Internal Assessment 1 (IA1) was conducted for Second Year (SE), Third Year (TE) & Fourth Year (BE) students of semesters III, V, and VII to evaluate the student's knowledge regarding course material as per Mumbai University schedule.

● **Display the Result of IA 1**

On **26th August 2024**, the Internal Assessment (IA1) result displayed that Second Year (SE), Third Year (TE), and Fourth Year (BE) students showed performance and identified areas for improvement. The examination evaluated the student's academic progress.

● **World Entrepreneurship Day**

On **28th August 2024**, the Entrepreneurship Cell of Viva Institute of Technology has organized a session on "Shaping the Future: Insights on World Entrepreneurship Day" to celebrate World Entrepreneurship Day. Mr. Ashutosh Gahiwal, an innovative IT entrepreneur and technology visionary from CSism Technology, had led the session.



Shaping the Future: Insights on World Entrepreneurship Day



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● Remedial Lectures

On 28th & 29th August 2024, the remedial lectures were conducted for academic improvement regarding subjects of Second Year (SE), Third Year (TE), and Fourth Year (BE) students. The lectures are provided to students for extra help in understanding the subjects. These lectures covered the specific areas of difficulty identified through assessments.

● Tech Chase 2024

On 30th & 31st August 2024, the institute organized an annual technical event, “Tech Chase 2024” On 30th August, Inauguration Program and 31st August, Prize Distribution is conducted. Students of the electrical engineering department had prepared 5 different technical games for the event. Also, all faculty members and students visited other departments to participate in games organized by them.



Tech Chase 2024

● Parents Teachers Meeting

On 31st August, 2024, the parents-teacher association meeting was held from 9.15 AM to 11.00 AM as planned in the academic calendar to discuss department activities, student progress and performance. The Parents were intimated about the meeting well in advance. Meeting started with welcome speech and faculty introduction followed by department presentation, address by HOD, Parents interaction. Parents also visited classrooms and practical labs.



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Parents Teachers Meeting

• Display the Defaulter list-II

On 3rd September 2024, Every month the defaulter list is displayed as a reminder of the shortage of attendance of Second Year (SE), Third Year (TE), and Fourth Year (BE) students. Students are advised to maintain 75% attendance and take necessary actions to improve their academic requirements.

• Workshop

On 3rd & 4th September 2024, The department organized a workshop for SE, TE and BE students for two days on the topic of “Master MATLAB & Simulink”. Workshop was conducted by Mr. Ankit Kumar, Founder, Mathworks, Vasai. 35 students participated in the workshop and the remaining students followed the curriculum timetable. The hands-on workshop was successfully conducted.



Workshop on Master MATLAB & Simulink by Mr. Ankit kumar, Founder, Mathworks, Vasai



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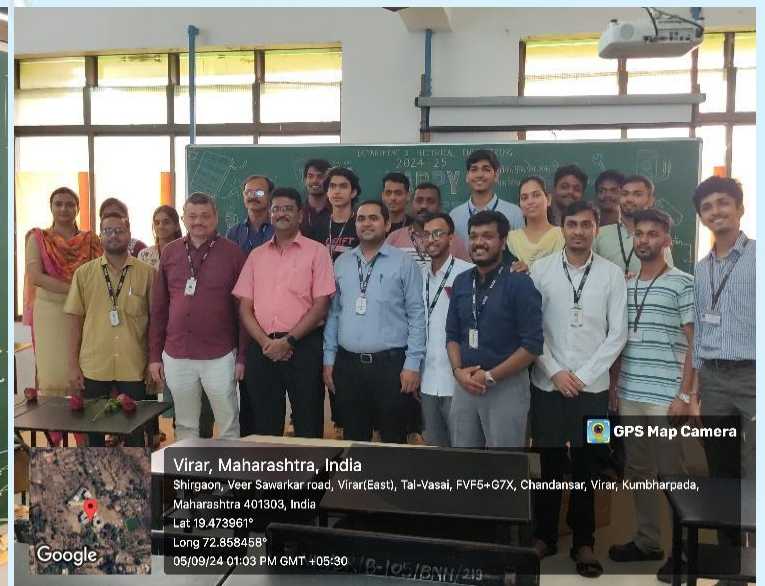
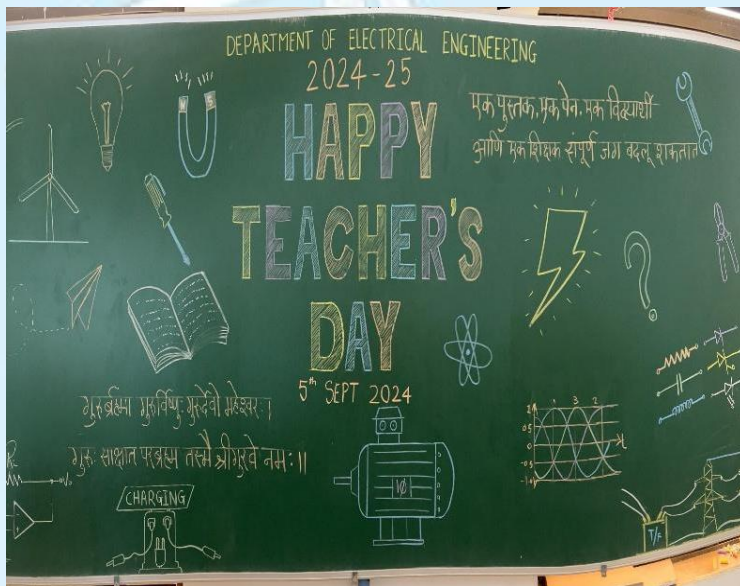
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● Guest Lectures

On 5th September 2024, A guest lecture was organized for Second Year (SE), Third Year (TE) & Fourth Year (BE) students in the department on “Entrepreneurial mindset”. The guest speaker Mr. Rakesh Zaveri, shared valuable experiences and challenges of entrepreneurship.

● Teachers’ Day

On 5th September 2024, Teachers’ Day was celebrated by the department with participation from all students, faculty members, non-teaching staff and HOD sir. The event recognized the hard work and dedication of all teachers, and everyone gathered to express their gratitude and appreciation.



Celebrating Teacher's Day

● Departmental Meeting

On 6th September 2024, Monthly departmental meeting was conducted. The meeting is about Personal Accident Policy for staff members, Internal Audit on 12th Sept. 2024, and Faculty Industrial Visit on 13th Sept. 2024. All available faculty members and non-teaching staff members attended meeting.

● Mid Term Break

On 07th September 2024, the institute remained closed on the occasion of Shri Ganesh Chaturthi. The institute also awarded a mid-term break from 7th September to 11th September, 2024 to all the staff members.



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● Internal Academic Audit for AY 2023-24

On **12th September 2024**, an internal audit conducted by the Heads of Departments (HODs) from various departments took place. The purpose of this internal audit is to evaluate the performance of departmental processes, verify adherence to policies and regulations, assess the adequacy of internal controls, and identify areas for improvement.



Internal Academic Audit for AY 2023-24

● Faculty Industrial Visit

On **13th September 2024**, A faculty industrial visit to Stelmec Limited, Usgaon, was organized to provide valuable insights into the company's advanced manufacturing processes and technologies. This experience aimed to bridge the gap between academic knowledge and industry practices, fostering a deeper appreciation of real-world applications.



Faculty industrial visit to Stelmec Limited, Usgaon



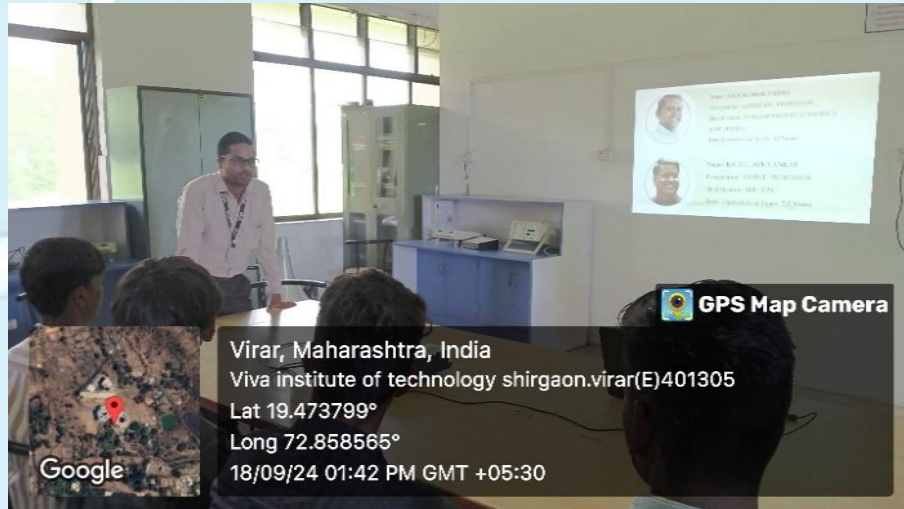
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● Orientation Program DSE

On **18th September 2024**, An orientation program for Direct Second Year (DSE) students was conducted to help them transition smoothly into their new academic environment. The program focused on familiarizing students with the curriculum, campus facilities, and available resources.



Orientation Program DSE

● Major Project Review 1

On **23rd September 2024**, The review evaluated the research objectives and primary findings of BE students' guided by the allotted panel. The faculty members provided feedback and suggestions for further development.



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● MOU

On **25th September 2024**, The Memorandum of Understanding (MOU) for the academic year 2024-25 was signed between ROBOKART, Borivali and VIVA Institute of Technology, Virar. The MOU sets the foundation for future projects and mutual support, fostering innovation and growth.



MOU signed between VIVA Institute of technology and ROBOKART

● Mini Project Review 1

On **27th September 2024**, The review was conducted to evaluate the initial findings and objectives of the Mini-project under the guidance of the allotted panel undertaken by TE students. The faculty provided valuable feedback and further suggestions for their project.

● IA 1-DSE

From **1st October 2024**, Internal Assessment 1 (IA1) was conducted for Second Year (DSE) students of semesters III to evaluate the student's knowledge regarding course material as per Mumbai University schedule.

● Display the Defaulter list-III

On **3rd October 2024**, Every month the defaulter list was displayed as a reminder of the shortage of attendance of Second Year (SE), Third Year (TE), and Fourth Year (BE) students. Students are advised to maintain 75% attendance and take necessary actions to improve their academic requirements. The department is committed to maintaining transparency throughout the academic year for the well-being and academic success of all students.

● Student Feedback-I

On **4th October 2024**, The feedback session was conducted for Direct Second Year (DSE) students to express their opinions and suggestions regarding teaching methodology and course content. Suggestions taken through feedback, improve communication channels between students and faculty.



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● Departmental Meeting

On 5th October 2024, the departmental meeting was held to discuss the Course Outcomes (CO) and Program Outcomes (PO) for the Odd semester 2024-25. The meeting focused on achieving greater efficiency and accuracy in documentation processes for continuous improvement and excellence.

● Mini Project Review 1

On 5th October 2024, the review was conducted to evaluate the initial findings and objectives of the Mini-project under the guidance of the allotted panel undertaken by SE students. The faculty provided valuable feedback and further suggestions for their project.

● Student Feedback 2

On 10th October 2024, the feedback session was conducted for Second Year (SE), Third Year (TE) & Fourth Year (BE) students to express their opinions and suggestions regarding teaching methodology. Suggestions taken through feedback improve communication channels between students and faculty.

● Course Exit Survey

On 14th October 2024, a course exit survey was taken from Third Year (TE) and Fourth Year (BE) students in the department. The survey was conducted to take feedback regarding course content, teaching methodologies, and academic support provided by the department. The survey process was confidential to ensure students felt comfortable sharing their opinions.

● Subject Choice Meeting

On 15th October 2024, the subject choice meeting was conducted for Second Year (SE) and Third Year (TE) students for the upcoming V and VII semesters from their respective optional subjects. The faculty member provided detailed information about the curriculum, learning outcomes, and career prospects associated with various subject options. The focus was on the importance of balancing core subjects and elective subjects.

● IA 2

From 14th to 16th October 2024, Internal Assessment 2 was conducted for Second Year (SE), Third Year (TE) & Fourth Year (BE) students of semesters III, V, and VII to evaluate the student knowledge regarding course material as per Mumbai University schedule.

● Submission of Term Work

On 17th October 2024, the submission of term work was organized for Second Year (SE), Third Year (TE), and Fourth Year (BE) students including term work, assignments, projects, and other academic activities. The faculty members provided necessary guidance and support to ensure the completion and submission of term work.

● Mini Project Review 2

On 17th October 2024, the review was conducted to evaluate the progress and outcomes of the Mini-project under the guidance of the allotted panel undertaken by SE students. The faculty provided valuable feedback and further suggestions for their project.



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● Term End

On **18th October 2024**, there was a term end for Second Year (SE), Third Year (TE) and Fourth Year (BE) students. Along with the syllabus, projects, assignments, and practical sessions of semesters III, V, and VII completed before term end.

● Display the Result of IA 2

On **22th October 2024**, the Internal Assessment (IA2) result displayed of Second Year (SE), Third Year (TE), and Fourth Year (BE) shows student performance and identifies areas for improvement. The examination evaluated the student's academic progress.

● Oral and Practical examination

From **23th to 30th October 2024**, Students appeared for an oral (viva) and practical examination of semesters III, V, and VII as scheduled. The examination aimed to evaluate students' ability to apply theoretical concepts to real-world scenarios.

● Interaction with Shri. Hitendraji Thakur

On **25th October 2024**, An interaction session with Hon. Shri. Hitendraji Thakur, President of Vishnu Waman Thakur Charitable Trust, is scheduled at VIVA College (Old Campus), Virar West. All teaching and non-teaching staff members of VIVA Institute of Technology are invited to attend this important meeting. The session has provided an opportunity to discuss problem related to campus, lab and college for the betterment of college and future of its staff.

● Major Project Review 2

On **28th October 2024**, the review was conducted to evaluate research objectives and outcomes related to a major project under the guidance of an allotted panel undertaken by BE students. The faculty members gave suggestions regarding simulation and hardware models.

● Departmental Meeting

On **4th November 2024**, the departmental meeting was focused on course file submission, exam duty allocation. Faculty members discussed and finalized the procedures and deadlines for course file submission. Exam duties were allocated to ensure the smooth conduct of the examination.

● STTP

From **4th to 11th November 2024**, the University of Mumbai and ISTE Approved one-week Short Term Training Program was conducted on "**Power Load Forecasting Using Machine Learning**" organized by the Department of Electrical Engineering and Electronics and Telecommunication Engineering Department" together.



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Details of the speakers are as follows:

Sr. No.	Name of the Speaker	Designation	Topic
1.	Prof. Sonia Dubey	Assistant Professor	Overview of Data Science and Machine Learning
2.	Dr. Brijesh Joshi	Associate Professor	Introduction to Kaggle Database & ML Algorithm
3.	Dr. Tatwadarshi Nagarhalli	Associate Professor	Data Handling and Preprocessing, Exploratory Data Analysis (EDA)
4.	Ms. Esha Prakash	Data Science Domain Expert	Data Collection & Preprocessing, Modelling training & Evaluation
5.	Ms. Esha Prakash	Data Science Domain Expert	Feature Engineering, Model Development & Reporting
6.	Mr. Chandan Kolvankar	Training and Development Manager	Future Development and Application of AI & ML

All the speakers were well received by the attendees. The attendees gave very good feedback to all the speakers. A total of 17 participants participated in the week (6 days) training program.

An intelligent computer uses AI to think like a human and perform tasks on its own. Machine learning is how a computers system develops its intelligence. One way to train a computer to mimic human reasoning is to use a neural network, which is a series of algorithms that are modeled after the human brain was introduced by speakers through their immense knowledge to the all Electrical and Electronics faculty members.

The successful completion of STTP focusing on the innovative topic of “Power Load Forecasting Using Machine Learning” The session initiative was designed to provided faculty members hands on session and an understanding of Machine Learning.



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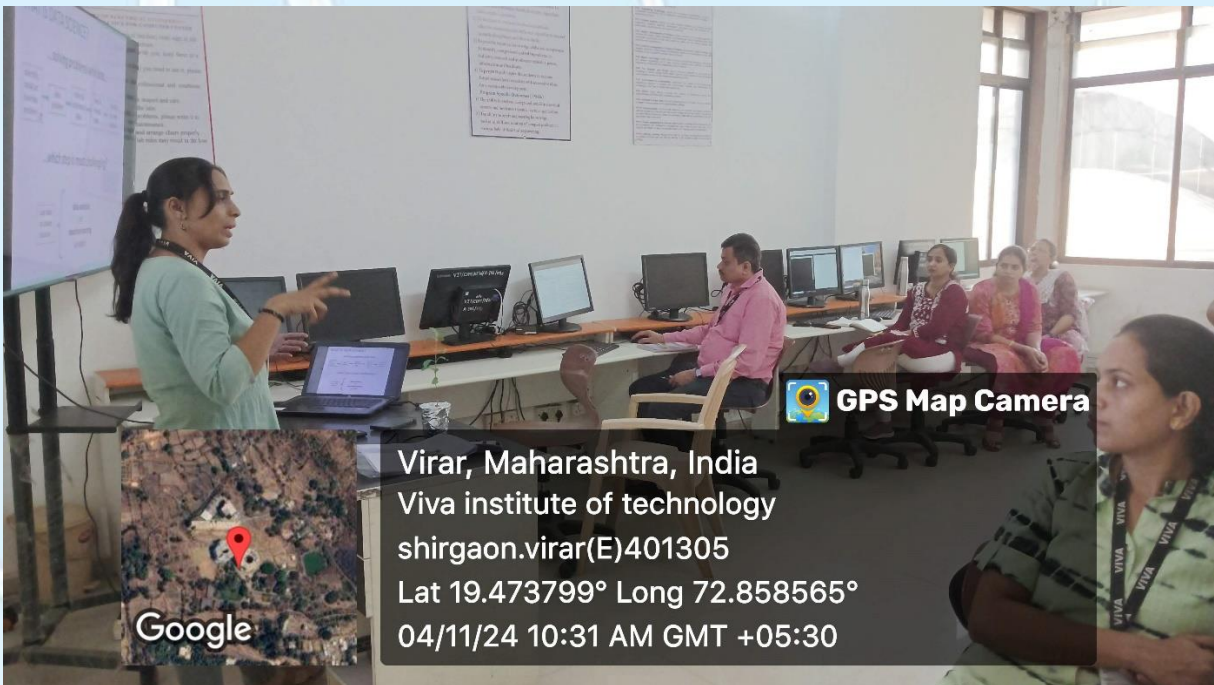
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 **GPS Map Camera**

Virar, Maharashtra, India
Viva institute of technology
shirgaon.virar(E)401305
Lat 19.473799° Long 72.858565°
04/11/24 10:15 AM GMT +05:30



 **GPS Map Camera**

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Viva institute of technology
shirgaon.virar(E)401305
Lat 19.473799° Long 72.858565°
04/11/24 10:31 AM GMT +05:30

Day 1: Prof. Sonia Dubey addresses Electrical and Electronics engineering department faculty members.



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Day 2: Dr. Brijesh Joshi addresses Electrical and Electronics engineering department faculty members.



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Day 3: Dr. Tatwadarshi Nagarhalli addresses Electrical and Electronics engineering department faculty members.



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Day 4: Ms. Esha Prakash addresses Electrical and Electronics engineering department faculty members.



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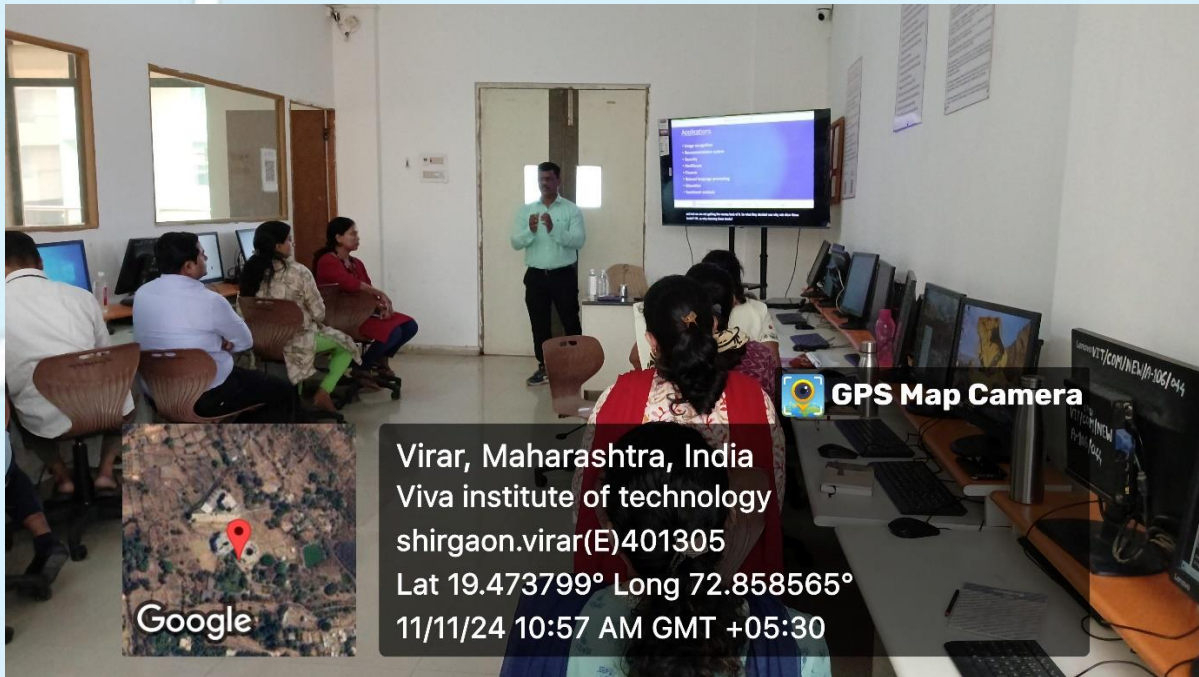
Day 5: Ms. Esha Prakash and Mr. Ashish Shetty addresses Electrical and Electronics engineering department faculty members.



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Day 6: Mr. Chandan Kolvankar addresses Electrical and Electronics engineering department faculty members.



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● External Academic Audit

On **6th November 2024**, the audit was conducted to observe the overall quality of education. Dr. Tatwadarshi Nagarhalli, Associate professor at Vidyavardhini's College of Engineering and Technology, Vasai Road, performed the external academic audit. The audit process included documentation reviewed.



External Academic Audit by Dr. Tatwadarshi Nagarhalli

● Commencement of Theory Examination

On **11th November 2024**, Regular semesters III, V, and VII of the theory examination commenced as per the university schedule. The examinations were planned and executed to ensure adherence to academic standards. Faculty members contributed their expertise to prepare examination papers that evaluate student's understanding and application of course materials.



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This academic year has been a period of remarkable achievements and valuable experiences across all departmental activities. The diverse and comprehensive academic programs have enhanced our knowledge while encouraging critical thinking and innovation among students. By engaging in rigorous coursework, collaborative projects, and dynamic extracurricular activities, we have effectively tackled the challenges of the academic landscape.

Thank You