6.5.2.The institution reviews its teaching and learning process, structures, and methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and records the incremental improvement in various activities.

Sr.No.	Program Name	Page No.
1	IQAC minutes record	2
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Pages 01 TO 212 are endorsed by Principal

PRINCIPAL

VISHNU WAMAN THAKUR CHARITABLE TRUST'S

VIVA INSTITUTE OF TECHNOLOGY

At Shirgaon
Post: Virar,
Tal : Vasai,
Dist Palghar,
VIRAR (EAST)

1

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE New Delhi, Recognized by DTE, Govt. of Maharashtra
And Affiliated to University of Mumbai
NAAC "B++" Grade

IQAC minutes record

A meeting of Internal Quality Assurance cell (IQAC) was held on 22.08.2024 at 3.00 pm in IQAC cell.

The following members who signed below were present

1. Mrs. Aparna Thakur - secretary
2. Mr. Nikhil Jain - Employer
3. Shri. Sanjeev Patil - Management member
4. Shri. S.N. Padhye - Local society
5. Shri. V.S. Patil - Sr. Admin officer
6. Shri. K.P.N. Kutty - Sr. Admin officer
7. Shri. Sanjay Pingulkar - stakeholder
8. Shri. Bharat Sharma - Industrialist
9. Dr. Arun Kumar - Principal
10. Dr. Deepak Sajnekar - Faculty
11. Mr. Akshay Mistry - Faculty
12. Dr. Archana Ingle - Faculty
13. Mrs. Chandani Patel - Faculty
14. Dr. Ashwini Save - Faculty
15. Dr. Trupti Patil - Faculty
16. Ms. Nibhat shaikh - Faculty
17. Mrs. Poonam Jadhav - Faculty
18. Mr. Swapnil Raut - Faculty
19. Mr. Vandan Tambe : Student
20. Mrs. Karishma Raut - co-ordinator (IQAC)

Agenda :
1. Confirmation of minutes of the last meeting.
2. Matter arising out of the last meeting
3. Amendment in college policies.
4. Youth Festival updates
5. Intercollegiate Techchase events
6. Guidance session for Hackathon and Avishkar through Research and Incubation center
7. Any other matter with permission of chair

The chairperson of IQAC, Dr. Arun kumar welcomed all the members and meeting commenced.

The discussion on above agenda has been given below.

1. Minutes of last meeting were read and confirmed by all the members.
2. The college policies were discussed for any amendment.
3. As per financial assistance policy, reimbursement data were collected.
4. All departments were informed to identify student groups to participate for various competitions like Avishkar, Hackathon, eYantra etc.
5. The Research and Incubation team will be guiding them and providing resources to acquire required skills.
6. The planning for Intercollegiate Techchase event were discussed with all departments and guidelines were given to student council.
7. The youth festival updates were taken.
8. The departments are informed to complete their academic audit to improve curriculum planning and execution.
9. The 100 hrs. training course on DATA ANALYTICS for final year students is organised through ICT academy in association with Infosys foundation.

Action Taken:

1. Department STTPs were conducted.
2. DAB was formed for CSE (AI &ML) dept
3. As per norms infrastructure has been rearranged.

meeting ended with vote of thanks by IQAC coordinator.
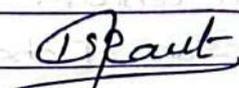
IQAC coordinator   chairperson
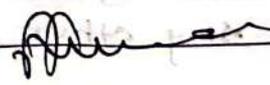
A meeting of Internal Quality Assurance cell (IQAC) was held on 10/12/2024 at 3:00PM in IQAC cell.

The following members who signed below were present.

1. Mrs. Aparna Thakur - Secretary
2. Mr. Nikhil Jain - Employer
3. Shri. Sanjeev Patil - Management Member
4. Shri. S.N. Padhye - Local Society
5. Shri. V.S. Patil - Sr. Admin officer
6. Shri. K.P.N. Kutty - Sr. Admin officer
7. Shri. Sanjay Pingulkar - Stakeholder
8. Shri. Bharat Sharma - Industrialist
9. Dr. Arun Kumar - Principal
10. Dr. Archana Ingle - Faculty
11. Dr. Deepak Sajnekar - Faculty
12. Dr. Ashwini Save - Faculty
13. Dr. Trupti Patil - Faculty
14. Mrs. Chandani Patel - Faculty
15. Mr. Akshay Mistry - Faculty
16. Ms. Nishat Shaikh - Faculty
17. Mrs. Poonam Jadhav - Faculty
18. Mr. Swapnil Raut - Faculty
19. Mr. Vandan Tambe - Student
20. Mrs. Karishma Raut - Coordinator

Agenda:-
1. Confirmation of minutes of the last meeting
2. Matter arising out of the last meeting
3. Academic Audit Review
4. NCREHB - 2025 pre-requisite
5. Planning for Hitakshi-2025
6. STTP review
7. AQAR 2023-24 review
8. Planning for next semester (Jan 2025)

9. Any other matter with permission of chair.

The chairperson of IQAC, Dr Arun Kumar welcomed all the members and meeting commenced. Discussion on above agenda is given below.

1. Minutes of the last meeting were read and confirmed by all the members.

2. All departments have successfully completed their internal and external academic audits and have been advised to implement corrective actions based on expert feedback.

3. The committees for NCREHB-2025 have been revised, and the ISBN number, along with ICT Academy permissions, has been secured.

4. Departments have successfully organized STTPs within their respective domains.

5. The first AQAR has been prepared and submitted to IQAC for review; it has been verified by all HODs and IQAC members and is now ready for submission.

6. Departments have been instructed to plan for the upcoming semester, including the preparation of the academic calendar, timetable and other related activities.

7. The Student council has been guided for Hitatchi 2025, with committees updated to include diploma and pharmacy faculty members.

8. The Registration of the Alumni Association has been completed and related activities have been scheduled.

Action taken! -
1. Techbase conducted.
2. Employment training for final year students completed.
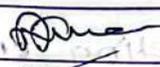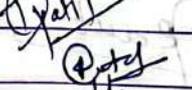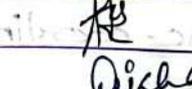
Meeting ended with vote of thanks by IQAC coordinator.

IQAC-coordinator   chairperson:

A Meeting of Internal Quality Assurance cell (IQAC) was held on 04/04/2025 at 3:00 pm in IQAC cell.

The following members who signed below were present

1. Mrs. Aparna Thakur - secretary
2. Mr Nikhil Jain - Employer
3. Shri. Sanjeev Patil - Management Member
4. Shri. S.N. Padhye - Local society
5. Shri. V.S. Patil - Sr Admin officer
6. Shri. K.P.N. Katty - Sr Admin officer
7. Shri. Sanjay Pingulkar - stakeholder
8. Shri. Bharat Sharma - Industrialist
9. Dr. Arun kumar - Principal
10. Dr. Archana Ingle - Faculty
11. Dr. Deepak Sajnekar - Faculty
12. Dr. Ashwini save - Faculty
13. Dr. Trupti Patil - Faculty
14. Mrs. Chandani Patel - Faculty
15. Mr. Akshay Mistry - Faculty
16. Ms. Nikat shaikh - Faculty
17. Mrs. Poonam Jadhav - faculty
18. Mr Swapnil Raut - Faculty
19. Mr. vandan Tambe - Student
20. Mrs. Karishma Raut - coordinator
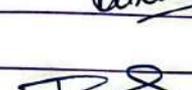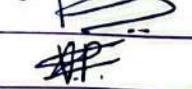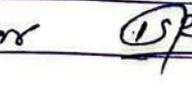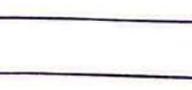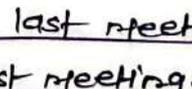
Agenda!

1. Confirmation of minutes of the last meeting.
2. Matter arising out of the last meeting.
3. HCREHB-2025 publications.
4. Hitaishi Review
5. ADP and STTP planning
6. Amendment of vision and mission statement of new departments.

7. Honors program, skill development program planning

8. Amendment of policies and data-formate.

9. Updates on seminar, guest lecture, workshop, project competition

10. Any other matter with permission of chair.

The chairperson of IQAC, Dr. Arun Kumar welcomed all the members and meeting commenced. Discussion on above agenda has been given below.

1. Minutes of the last meeting were read and confirmed by all the members.

2. The HCREHB-2025 conference was successfully conducted, with a total of 107 papers accepted and presented. The best papers from each domain have been recommended for submission to scopus-indexed journals.

3. Participation status for the HHalsbi-2025 event has been reviewed.

4. The IQAC team has scheduled Administrative Development Program (ADP) and short term Training Program (STTP) for the last week of June, incorporating suggestions received from all members.

5. The process of revising the vision and mission statements for the new departments in both the diploma and degree sections has been initiated.

6. Students are being guided for the Honors program and various skill development programs.

7. All departments have been instructed to mentor students regarding NEP Implementation and academic progression into the second year.

8. Department level subject choice guidance sessions for SE, TE, BE students have also been conducted.

9. Updates regarding seminars, guest lectures, workshops, and project competitions have been collected and forwarded for website updates.

10. Finally, amendments to institutional policies and data formats have been discussed.

Action taken!
1. Hitakshi-2025 and HereNB-2025 conducted.
2. AQAR-2023-24 submitted successfully and received review from NAAC

Meeting ended with vote of Thanks by IQAC coordinator
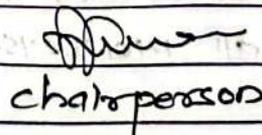
IQAC-coordinator   chairperson

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE New Delhi, Recognized by DTE, Govt. of Maharashtra
And Affiliated to University of Mumbai
NAAC "B++" Grade

Academic Calendars

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra Contact No. 7770002544 Website: www.viva-technology.org

NAAC "B++" Grade

Degree Engineering (Academic Year 2024-25)
First Year Engineering
Academic Calendar JAN 2025-JUNE 2025

	MON	TUES	WED	THURS	FRI	SAT	SUN
1			**JANUARY**				
1			1	2	3	4	5
1					HOD Meeting with Principal		
2	6	7	8	9	10	11	12
2	DEPT MEETING	Commencement of SEM II					
3	13	14	15	16	17	18	19
3			HITAISHI (Cultural & Sports Week)				
4	20	21	22	23	24	25	26
4	Mentor Sessions				DEPT MEETING		Republic Day
5	27	28	29	30	31		
5	IQAC Meeting						
5			**FEBRUARY**				
5						1	2
6	3	4	5	6	7	8	9
6	HOD Meeting with Principal	NAAC Meeting			DEPT MEETING		
7	10	11	12	13	14	15	16
7			1st Student Feedback				
8	17	18	19	20	21	22	23
8	Mentor Sessions		Chhatrapati Shivaji Maharai Jayanti		DEPT MEETING		
9	24	25	26	27	28		
9	Mentor Sessions		Mahashivratri		DEPARTMENT SOCIAL ACTIVITY		
9			**MARCH**				
9						1	2
10	3	4	5	6	7	8	9
10	HOD Meeting with Principal	NAAC Meeting					
10			IA 1		NCRENB 2025		
11	10	11	12	13	14	15	16
11	IQAC Meeting	DEPT MEETING			Dhulivandan		
12	17	18	19	20	21	22	23
12	Mentor Sessions			GUEST LECTURE	PARENT TEACHER MEET		
13	24	25	26	28	28	29	30
13	Mentor Sessions				DEPT MEETING		Gudhipadva
14	31						
14	Ramzan Eid						
14			**APRIL**				
14		1	2	3	4	5	6
14			2nd Student Feedback				Shriram Navmi
15	7	8	9	10	11	12	13
15	HOD Meeting with Principal	NAAC Meeting	DEPT MEETING	Mahavir Jayanti	IA 2		
16	14	15	16	17	18	19	20
16	Dr. Babasaheb Ambedkar Jayanti	IA 2	IA 2	Term End	Good Friday		
17	21	22	23	24	25	26	27
17			OR/PR exam				
18	28	29	30				
18		OR/PR exam					
18			**MAY**				
18				1	2	3	4
18				Maharastra Day			
19	5	6	7	8	9	10	11
19	HOD Meeting with Principal	NAAC Meeting					
20	12	13	14	15	16	17	18
20	Budhha Purnima	Commencement of Theory Examination II					
21	19	20	21	22	23	24	25
21							
22	26	27	28	29	30	31	
22			**JUNE**				
22							1
23	2	3	4	5	6	7	8
23	Commencement of Theory Examination(I/III/V/VII)					Bakri Eid	
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	24	28	29
27	30						
27			**JULY**				
27		1	2	3	4	5	6
27					HOD Meeting with Principal		
28	7	8	9	10	11	12	13

Department wise External Academic Audit	During Dec 2024 -Jan 2025
Defaulter list to be displayed & letter to parent	On 3rd day of every month
Declaration of result of IA- I	Within one week after UT exam
Development of Product, Project, Concept, Software, Ideas, etc.	Every Friday 3:15pm to 4:15pm
Remedial Lectures to be arranged at Department level as per requirement	During Feb 2025 to May 2025
Submission of Performance appraisal of faculty to the Principal	25th April 2025
One Week Faculty Development Program	During May 2025 to June 2025
Guest lecture/ Workshop/ Seminars/IV to be arranged at Department level	During Jan 2025 to April 2025(as per availability of experts/Industry.)
Maintenance work in all laboratories / workshop	On daily basis
Assessment & Moderation of Answer sheets	14th May 2025 onwards
Attending Seminar / Workshop organized by industry or other educational Institutions	As & when opportunity comes
Departmental Meeting	Twice in Month
HOD Meeting with Principal	Once in Month
DAB Meeting in every department	Once in a year
CDC Meeting	Twice in each semester
Board of Governors Meeting	Once in a year
Mentor Sessions	Twice in month
Consultancy Work	As and when demand comes

HEAD ACADEMICS   **PRINCIPAL**

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra Contact No. 7770002544 Website: www.viva-technology.org
NAAC "B++" Grade
Department of Humanities and Applied Sciences AY 2024-25 Semester I

Academic Calendar JULY 2024-JANUARY 2025

	MON	TUES	WED	THURS	FRI	SAT	SUN
	JULY						
	1	2	3	4	5	6	7
1st WK	8 HOD Meeting with Principal	9	10	11	12	13	14
2nd WK	15	16	17 Muharram	18	19	20	21
3rd WK	22 IQAC Meeting	23	24	25	26	27	28
4th WK	29	30	31				
	AUGUST						
				1	2	3	4
5th WK	5	6	7	8	9	10	11
6th WK	12 HOD Meeting with Principal	13	14	15 Independence Day	16	17	18
7th WK	19 IQAC Meeting	20	21	22	23	24	25
	Internal Audit AY 2023-24						
8th WK	26	27	28	29	30	31	
	TECHCHASE						
	SEPTEMBER						
							1
9th WK	2 HOD Meeting with Principal	3 Commencement of FE	4	5 (Teacher's Day)	6	7 Ganesh Chaturthi	8
	Induction Program					Mid-Term Break	
10th WK	9	10	11	12 Dept Meeting	13 Orientation program	14	15 (Engineer's Day)
	Mid-Term Break			Induction Program			
11th WK	16 Eid-e-Milad	17	18	19	20	21	22
12th WK	23 IQAC Meeting	24	25	26	27 Dept Meeting	28	29
13th WK	30						
	OCTOBER						
		1	2 Mahatma Gandhi Jayanti	3 (Blood Donation Camp)	4	5	6
14th WK	7 NCRENB Meeting HOD Meeting with Principal	8	9	10	11	12 Dassera	13
15th WK	14 IQAC Meeting	15	16	17	18	19	20
16th WK	21	22	23	24	25 Dept Meeting	26	27
	IA 1						
17th WK	28 Feedback 1	29	30 Parent Teacher Meeting	31			
	NOVEMBER						
					1 Laxmi pujan	2 Bali Pratipada Diwali padwa	3
18th WK	4 NCRENB Meeting HOD Meeting with Principal	5	6	7	8 Guest Lecture	9	10
19th WK	11	12	13	14	15 Guru Nanak Jayanti	16	17
20th WK	18	19	20	21	22	23	24
21st WK	25	26	27	28	29 Feedback 2 Course Exit Survey	30	
	DECEMBER						
							1
22nd WK	2	3	4	5	6	7	8
		IA 2		TermWork Submission	Term End		
23rd WK	9	10	11	12	13	14	15
	Oral/Practical Examination						
24th WK	16	17 Commencement of Theory Examination	18	19	20	21	22
25th WK	23	24	25 Christmas Day	26	27	28	29
26th WK	30	31					
	JANUARY						
		1	2	3	4	5	
27th WK	6 Commencement of Sem II HOD Meeting with Principal	7	8	9	10	11	12

Departmental Quality Circle Program	First Saturday of Every Month
Maintenance work in all laboratories / workshop	During Nov 2024 to Dec 2024
Attending Seminar / Workshop organized by industry or other Institutions	As & when opportunity comes
DAB Meeting	Once in a year
Remedial Lectures to be arranged as per requirement	During November to December 2024
Mentor Sessions	Twice in month

HEAD OF THE DEPARTMENT
PROF. MANJU MISHRA

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Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, MaharashtraContact No. 7770002544 Website: www.viva-technology.org
NAAC "B++" Grade
AY 2024-25 ODD Semester
Computer Science and Engineering (AI & ML)

Academic Calender JULY 2024-JANUARY 2025

	MON	TUES	WED	THURS	FRI	SAT	SUN
	JULY						
	1	2	3	4	5	6	7
1st WK	8 Commencement of next Term (SE/TE/BE) HOD Meeting with Principal	9	10	11	12	13	14
2nd WK	15 Commencement of SY MCA	16	17 Muharram	18	19	20	21
3rd WK	22 IQAC Meeting	23	24	25	26	27	28
4th WK	29	30	31				
	AUGUST						
				1	2	3	4
5th WK	5 Display of 1st Defaulter list	6	7	8	9	10	11
6th WK	12 HOD Meeting with Principal	13	14 1st Student Feedback	15 Independence	16	17	18
7th WK	19 IQAC Meeting	20	21	22 IA 1(for SE/TE/BE) Internal Audit AY 2023-24	23	24	25
8th WK	26	27	28	29	30	31 Parent Teacher Meeting TECHCHASE	
	SEPTEMBER						
							1
9th WK	2 HOD Meeting with Principal	3 Display of 2nd Defaulter	4 Commencement of FE	5 (Teacher's Day)	6	7 Ganesh Chaturthi Mid-Term Break	8
10th WK	9 Mid-Term Break	10	11	12	13 Commencement of	14	15 (Engineer's Day)
11th WK	16 Eid-e-Milad	17	18	19	20	21	22
12th WK	23 IQAC Meeting	24	25	26	27	28	29
13th WK	30			UT 1 SY MCA			
	OCTOBER						
		1	2 Mahatma Gandhi	3 Display of 3rd Defaulter list	4	5	6
14th WK	7 NCRENB Meeting HOD Meeting with Principal	8	9 2nd Student Feedback	10	11	12 Dassera	13
15th WK	14 IQAC Meeting	15 IA 2(for SE/TE/BE)	16	17 TermWork Submission	18 Term End (SE/TE/BE)	19	20
16th WK	21	22	23	24 IA 1(FE & ME) Oral/Practical Examination (SE/TE/BE)	25	26	27
17th WK	28	29	30 Oral/Practical Examination(SE/TE/BE)	31			
	NOVEMBER						
					1 Laxmi pujan	2 Bali Pratipada Diwali padwa	3
18th WK	4 NCRENB Meeting HOD Meeting with Principal	5	6	7 UT 1 FY MCA	8	9	10
19th WK	11 Commencement of Theory Examination (SEM III, V and VII)	12	13	14	15 Guru Nanak Jayanti	16	17
20th WK	18	19	20	21	22	23	24
21st WK	25	26	27	28	29	30	
	DECEMBER						
							1
22nd WK	2 Commencement of Theory Examination (SEM II, IV, VI, VIII) & SY MCA	3 IA 2(FE & ME)	4	5 TermWork Submission(FE &	6 Term End(FE &	7	8
23rd WK	9	10	11 Oral/Practical Examination (FE & ME)	12	13	14	15
24th WK	16	17 Commencement of Theory Examination (FE	18	19	20	21	22
25th WK	23	24	25 Christmas	26	27	28	29
26th WK	30	31					
	JANUARY						
			1	2 Commencement of Theory	3	4	5
27th WK	6 Commencement of next Term HOD Meeting with Principal	7	8	9	10	11	12

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One Week Departmental Faculty Development Program	**During Nov 2024 to Dec 2024**
Guest lecture/ Workshop/ Seminars to be arranged at Department level as per availability of experts.	**During July 2024 to Oct 2024**
Maintenance work in all laboratories / workshop	**During Nov 2024 to Dec 2024**
Industrial Visit	**As per departmental planning**
Attending Seminar / Workshop organized by industry or other Institutions	**As & when opportunity comes**
DAB Meeting	**Once in a year**
CDC Meeting	**Twice in each semester**
Board of Governors Meeting	**Once in a year**
Remedial Lectures to be arranged at Department level as per requirement	**During Aug 2024 to Oct 2024**
Mentor Sessions	**Twice in month**

Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, MaharashtraContact No. 7770002544 Website: www.viva-technology.org

NAAC "B++" Grade

Degree Engineering (Academic Year 2024-25)

Academic Calendar JAN 2025-JUNE 2025

	MON	TUES	WED	THURS	FRI	SAT	SUN
	JANUARY						
1			1	2	3	4	5
					HOD Meeting with Principal		
2	6	7	8	9	10	11	12
	Commencement of SEM IV/VI/VIII	Commencement of SEM II					
3	13	14	15	16	17	18	19
	HITAISHI (Cultural & Sports Week)						
4	20	21	22	23	24	25	26
							Republic Day
5	27	28	29	30	31		
	IQAC Meeting						
	FEBRUARY						
						1	2
6	3	4	5	6	7	8	9
	HOD Meeting with Principal	NAAC Meeting					
7	10	11	12	13	14	15	16
	1st Student Feedback						
8	17	18	19	20	21	22	23
			Chhatrapati Shivaji Maharaj Jayanti				
9	24	25	26	27	28		
			Mahashivratri				
	MARCH						
						1	2
10	3	4	5	6	7	8	9
	HOD Meeting with Principal	NAAC Meeting					
	IA 1				NCRENB 2025		
11	10	11	12	13	14	15	16
	IQAC Meeting				Dhulivandan		
12	17	18	19	20	21	22	23
13	24	25	26	27	28	29	30
							Gudhipadva
14	31						
	Ramzan Eid						
	APRIL						
		1	2	3	4	5	6
	2nd Student Feedback					Project Competition	Shriram Navmi
15	7	8	9	10	11	12	13
	HOD Meeting with Principal	NAAC Meeting		Mahavir Jayanti	IA 2		
16	14	15	16	17	18	19	20
	Dr. Babasaheb Ambedkar Jayanti	IA 2	IA 2	Term End	Good Friday		
17	21	22	23	24	25	26	27
	OR/PR exam						
	28	29	30				
18	OR/PR exam						
	MAY						
				1	2	3	4
				Maharastra Day			
19	5	6	7	8	9	10	11
	HOD Meeting with Principal	NAACMeeting					
20	12	13	14	15	16	17	18
	Budhha Purnima	Commencement of Theory Examination(II/IV/VI/VIII)					
21	19	20	21	22	23	24	25
22	26	27	28	29	30	31	
	JUNE						
							1
23	2	3	4	5	6	7	8
	Commencement of Theory Examination(I/III/V/VII)					Bakri Eid	
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	24	28	29
27	30						
	JULY						
		1	2	3	4	5	6
					HOD Meeting with Principal		
28	7	8	9	10	11	12	13
	Commencement of New Term						

Department wise External Academic Audit	During Dec 2024 -Jan 2025
Defaulter list to be displayed & letter to parent	On 3rd day of every month
Declaration of result of IA- I	Within one week after UT exam
Development of Product, Project, Concept, Software, Ideas, etc.	Every Friday 3:15pm to 4:15pm
Technical Paper presentation by students in each department	First week of March 2025
Remedial Lectures to be arranged at Department level as per requirement	During Feb 2025 to May 2025
Degree Distribution Ceremony	As per UoM guidelines
Submission of Performance appraisal of faculty to the Principal	25th April 2025
One Week Faculty Development Program	During May 2025 to June 2025
Guest lecture/ Workshop/ Seminars/IV to be arranged at Department level	During Jan 2025 to April 2025(as per availability of experts/Industry.)
Maintenance work in all laboratories / workshop	On daily basis
Development of Product, Project, Concept, Software, Ideas, etc.	Every Friday 3:30pm to 4:30pm
Assessment & Moderation of Answer sheets	14th May 2025 onwards
Attending Seminar / Workshop organized by industry or other educational Institutions	As & when opportunity comes
Departmental Meeting	Twice in Month
HOD Meeting with Principal	Once in Month
DAB Meeting in every department	Once in a year
CDC Meeting	Twice in each semester
Board of Governors Meeting	Once in a year
Mentor Sessions	Twice in month
Consultancy Work	As and when demand comes

HEAD ACADEMICS   **PRINCIPAL**

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, MaharashtraContact No. 7770002544 Website: www.viva-technology.org
NAAC "B++" Grade
Degree Engineering (Academic Year 2024-25)
Academic Calendar Civil JAN 2025-JUNE 2025

Civil Dept

	MON	TUES	WED	THURS	FRI	SAT	SUN
1			JANUARY				
			1	2	3 HOD Meeting with Principal	4	5
2	6 Commencement of SEM IV/VI/VIII	7 Commencement of SEM II	8	9	10	11	12
3	13	14	15	16	17	18	19
4	20	21 HITAISHI (Cultural & Sports Week)	22	23	24	25	26 Republic Day
5	27 IQAC Meeting	28	29	30	31		
			FEBRUARY			1	2
6	3 HOD Meeting with Principal	4 NAAC Meeting	5	6	7 Site Visit BE	8	9
7	10	11	12 1st Student Feedback	13	14	15	16
	17	18	19 Chhatrapati Shivaji Maharaj Jayanti	20	21	22	23
	24	25	26 Mahashivratri	27	28		
			MARCH			1	2
	3 HOD Meeting with Principal	4 NAAC Meeting IA 1	5	6	7 NCRENB 2025	8	9
	10 IQAC Meeting	11	12 Site Visit TE	13 Virtual lab SE/TE	14 Dhulivandan	15	16
	17	18	19	20 Guest lecture TE CIVIL	21	22	23
	24 Guest lecture BE CIVIL	25	26 Survey PROJECT SE	27	28	29	30 Gudhipadva
	31 Ramzan Eid						
			APRIL				
		1. Site Visit SE	2 Guest lecture BE CIVIL 2nd Student Feedback	3. Site Visit TE	4	5 Project Competition	6 Shriram Navmi
	7 HOD Meeting with Principal	8 NAAC Meeting/ Remidial class	9 Site Visit BE	10 Mahavir Jayanti	11 IA 2	12	13
	14 Dr. Babasaheb Ambedkar Jayanti	15 IA 2	16 IA 2	17 CONVOCATION Term End	18 Good Friday	19	20
	21	22	23 OR/PR exam	24	25	26	27
	28	29 OR/PR exam	30				
			MAY				
				1 Maharastra Day	2	3	4
			7	8	9	10	11
	5 HOD Meeting with Principal	6 NAACMeeting	14	15	16	17	18
	12 Budhha Purnima	13 Commencement of Theory Examination(II/IV/VI/VIII)	21	22	23	24	25
	19	20	28	29	30	31	
			JUNE				1
	26	27	4	5	6	7 Bakri Eid	8
	2 Commencement of Theory Examination(I/III/V/VII)	3	11	12	13	14	15
	9	10	18	19	20	21	22
	16	17	25	26	24	28	29
	23	24	JULY				
26	30		2	3	4 HOD Meeting with Principal	5	6
27		1	9	10	11	12	13
		8					

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VIVA Institute of
Shirgaon, Virar (East), Dist. Palghar-401305, MaharashtraContact No. 7770602544 Website www.viva-technology.org

NAAC "B++" Grade

AY 2024-25 ODD Semester

DEPARTMENT CALENDAR

Academic Calender JULY 2024-DECEMBER 2024

	MON	TUES	WED	THURS	FRI	SAT	SUN
				JULY			
					5	6	7
1st WK	1 8 Commencement of next Term (for SE/TE/BE) HOD Meeting with Principal	2 9	3 10	4 11	12	13	14
					19	20	21
2nd WK	15	16	17 Muharram	18	26	27	28
3rd WK	22 IQAC Meeting	23	24	25			
	29	30	31				
4th WK				**AUGUST**			
			1		2	3	4
5th WK	5 Display of 1st Defaulter list	6	7	8	9	10	11
6th WK	12 HOD Meeting with Principal	13	14	15 Independence Day	16	17	18
			1st Student Feedback				25
7th WK	19 IQAC Meeting	20	21	22 IA 1(for SE/TE/BE)	23	24	
		Internal Audit AY 2023-24			30	31 Parent Teacher Meeting	
	26	27	28	29	TECHCHASE		
8th WK				**SEPTEMBER**			1
					6	7 Ganesh Chaturthi	8
9th WK	2	3 Display of 2nd Defaulter list	4	5 (Teacher's Day)		Mid-Term Break	
					13	14	15 (Engineer's Day)
10th WK	9 HOD Meeting with Principal	10	11	12	20 (LV)	21	22
		Mid-Term Break				28	29
11th WK	16 Eid-e-Milad	17	18	19	27 (G.I.)		
12th WK	23 IQAC Meeting	24	25(LV)	26			
	30			**OCTOBER**			
						5	6
13th WK		1	2 Mahatma Gandhi Jayanti	3 Display of 3rd Defaulter list (Blood Donation Camp)	4	12 Dussera	13
				10(LV)	11		
14th WK	7 NCRENB Meeting HOD Meeting with Principal	8	9			19	20
		2nd Student Feedback	16	17 (G.I.)	18		
15th WK	14 IQAC Meeting	15(LV) IA 2(for SE/TE/BE)		Term Work Submission	Term End	26	27
16th WK	21	22	23	24 Oral Practical Examination	25		
	28	29 (G.I.) Oral Practical Examination	30	31			
				NOVEMBER			
17th WK					1 Laxmi pujan	2 Bali Pratipada Diwali padwa	3
18th WK	4 NCRENB Meeting HOD Meeting with Principal	5	6	7	8	9	10
19th WK	11 Commencement of Theory Examination (SEM III, V and VII)	12	13	14	15 Guru Nanak Jayanti	16	17
20th WK	18	19	20	21	22	23	24
	25	26	27	28	29	30	
21st WK				**DECEMBER**			1
22nd WK	2 Commencement of Theory Examination (SEM II, IV, VI, VIII)	3	4	5	6	7	8
23rd WK	9	10	11	12	13	14	15
24th WK	16	17	18	19	20	21	22
25th WK	23	24	25 Christmas Day	26	27	28	29
	30	31		**JANUARY**			
26th WK			1	2	3	4	5
27th WK	6 Commencement of next Term HOD Meeting with Principal	7	8	9	10	11	12

Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)
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DEPARTMENT OF COMPUTER ENGINEERING

AY 2024-2025

Academic Calender JULY 2024-JANUARY 2025

Month	Week		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Jul 2024				1	2	3	4	5	6	7
	1	SE Orientation	8 Commencement of Term (SE/TE/BE)	9	10	11	12	13	14
	2	BE project presentation I,Seminar for SE,CSI Monthly Event	15	16	17 Muharram	18	19	20	21
	3		22 IQAC Meeting	23	24	25	26	27	28
	4	T & P Seminar,Workshop for SE	29	30	31	1	2	3	4
Aug 2024	5	**Josh,Workshop for TE,BE**	5 Display of 1st Defaulter list	6	7	8	9	10	11
	6	Student Feedback I,Seminar for TE,BE	12	13	14	15 Independence Day	16	17	18
	7		19 IQAC Meeting	20	21 IA1(SE/TE/BE)	22 IA1(SE/TE/BE)	23 IA1(SE/TE/BE)	24	25
	8	Alumni Activity(Seminar),Work shop	26	27	28	29	30 TECHCHASE	31 TECHCHASE,Parent Teacher Meeting	1
Sep 2024	9		2	3 Display of 2nd Defaulter list	4	5 (Teacher's Day)	6	7 Ganesh Chaturthi	8 Mid-Term Break
	10		9 Mid-Term Break	10 Mid-Term Break	11 Mid-Term Break	12	13	14	15 (Engineer's Day)
	11	BE project presentation II	16 Eid-e-Milad	17	18	19	20	21	22
	12	Alumni Activity(Seminar),Work shop for SE,TE,BE	23 IQAC Meeting	24	25	26	27	28	29
	13	Seminar for SE	30	1	2 Mahatma Gandhi Jayanti	3 Display of 3rd Defaulter list (Blood	4	5	6
Oct 2024	14	Student Feedback II,CES, Quiz, Curriculum & Facility feedback	7 NCRENB Meeting, Synopsis Report Guide Sign	8	9 Synopsis Report HOD sign and Submission	10	11 BE project presentation III	12 Dassera	13
	15		14 IQAC Meeting, IA II (SE/TE/BE)	15 IA II (SE/TE/BE)	16 IA II (SE/TE/BE)	17 TermWork Submission	18 Term End	19	20
	16	Oral/Practical Examination	21	22	23	24	25	26	27
	17	Oral/Practical Examination	28	29	30	31	1 Laxmi pujan	2 Bali Pratipada	3 Bhai Dooj
Nov 2024	18		4 NCRENB Meeting	5	6	7	8	9	10
	19		11 Commencement of Theory Examination (SEM III, V and VII)	12	13	14	15 Guru Nanak Jayanti	16	17
	20		18	19	20	21	22	23	24
	21		25	26	27	28	29	30	1
Dec 2024	22		2 Commencement of Theory Exam (SEM II, IV, VI, VIII) 3	3	4	5	6	7	8
	23		9	10	11	12	13	14	15
	24		16	17	18	19	20	21	22
	25		23	24	25 Christmas	26	27	28	29
	26		30	31	1	2	3	4	5

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DEPARTMENT OF COMPUTER ENGINEERING

AY 2024-2025

Academic Calender JULY 2024-JANUARY 2025

			6	Commencement of next Term	7	8	9	10	11	12

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DEPARTMENT OF COMPUTER ENGINEERING

AY 2024-2025

Academic Calender JULY 2024-JANUARY 2025

HOD Meeting with Principal	**Once in month(Monday)**
One Week Faculty Development Program	**During Nov 2024 to Dec 2024**
Guest lecture/ Workshop/ Seminars to be arranged at Department level as per availability of experts.	**During July 2024 to Oct 2024**
Deparmentwise External Academic Audit	**Before Nov 2024**
Maintenance work in all laboratories / workshop	**On daily basis (major During Nov 2024 to Dec 2024)**
Industrial Visit	**Once in a Year for each Class and Faculty**
Development of Product, Project, Concept, Software, Ideas, etc.	**Every Friday 3:30pm to 4:30pm**
Attending Seminar / Workshop organized by industry or other educational Institutions	**As & when opportunity comes**
DAB Meeting	**Once in a year**
CDC Meeting	**Twice in each semester**
Board of Governors Meeting	**Once in a year**
Remedial Lectures to be arranged at Department level as per requirement	**During Aug 2024 to Oct 2024**
Mentor Sessions & Reporting to Mentor head	**Once in month**
Department External Audit	**Before Nov 2024**
Lab incharges & Lab assistants reporting to Lab head	**Twice in month(alternate Tuesday)**

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VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, MaharashtraContact No. 7770002544 Website: www.viva-technology.org

NAAC "B++" Grade

Degree Engineering (Academic Year 2024-25)

Academic Calendar JAN 2025-JUNE 2025

	MON	TUES	WED	THURS	FRI	SAT	SUN
1	JANUARY						
1			1	2	3	4	5
1					HOD Meeting with Principal		
2	6	7	8	9	10	11	12
2	Commencement of SEM IV/VI/VIII	Commencement of SEM II					
3	13	14	15	16	17	18	19
3	HITAISHI (Cultural & Sports Week)						
4	20	21	22	23	24	25	26
4							Republic Day
5	27	28	29	30	31		
5	IQAC Meeting						
5	FEBRUARY						
6						1	2
6	3	4	5	6	7	8	9
6	HOD Meeting with Principal	NAAC Meeting					
7	10	11	12	13	14	15	16
7	1st Student Feedback						
8	17	18	19	20	21	22	23
8			Chhatrapati Shivaji Maharaj Jayanti				
9	24	25	26	27	28		
9			Mahashivratri				
9	MARCH						
10						1	2
10	3	4	5	6	7	8	9
10	HOD Meeting with Principal	NAAC Meeting					
10	IA 1				NCRENB 2025		
11	10	11	12	13	14	15	16
11	IQAC Meeting				Dhulivandan		
12	17	18	19	20	21	22	23
13	24	25	26	27	28	29	30
13							Gudhipadva
14	31						
14	Ramzan Eid						
14	APRIL						
15		1	2	3	4	5	6
15	2nd Student Feedback					Project Competition	Shriram Navmi
15	7	8	9	10	11	12	13
15	HOD Meeting with Principal	NAAC Meeting		Mahavir Jayanti	IA 2		
16	14	15	16	17	18	19	20
16	Dr. Babasaheb Ambedkar Jayanti	IA 2	IA 2	Term End	Good Friday		
17	21	22	23	24	25	26	27
17	OR/PR exam						
18	28	29	30				
18	OR/PR exam						
18	MAY						
19				1	2	3	4
19				Maharastra Day			
19	5	6	7	8	9	10	11
19	HOD Meeting with Principal	NAACMeeting					
20	12	13	14	15	16	17	18
20	Budhha Purnima	Commencement of Theory Examination(II/IV/VI/VIII)					
21	19	20	21	22	23	24	25
22	26	27	28	29	30	31	
22	JUNE						
23							1
23	2	3	4	5	6	7	8
23	Commencement of Theory Examination(I/III/V/VII)					Bakri Eid	
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	24	28	29
27	30						
27	JULY						
27		1	2	3	4	5	6
27					HOD Meeting with Principal		
28	7	8	9	10	11	12	13
28	Commencement of New Term						

Department wise External Academic Audit	During Dec 2024 -Jan 2025
Defaulter list to be displayed & letter to parent	On 3rd day of every month
Declaration of result of IA- I	Within one week after UT exam
Development of Product, Project, Concept, Software, Ideas, etc.	Every Friday 3:15pm to 4:15pm
Technical Paper presentation by students in each department	First week of March 2025
Remedial Lectures to be arranged at Department level as per requirement	During Feb 2025 to May 2025
Degree Distribution Ceremony	As per UoM guidelines
Submission of Performance appraisal of faculty to the Principal	25th April 2025
One Week Faculty Development Program	During May 2025 to June 2025
Guest lecture/ Workshop/ Seminars/IV to be arranged at Department level	During Jan 2025 to April 2025(as per availability of experts/Industry.)
Maintenance work in all laboratories / workshop	On daily basis
Development of Product, Project, Concept, Software, Ideas, etc.	Every Friday 3:30pm to 4:30pm
Assessment & Moderation of Answer sheets	14th May 2025 onwards
Attending Seminar / Workshop organized by industry or other educational Institutions	As & when opportunity comes
Departmental Meeting	Twice in Month
HOD Meeting with Principal	Once in Month
DAB Meeting in every department	Once in a year
CDC Meeting	Twice in each semester
Board of Governors Meeting	Once in a year
Mentor Sessions	Twice in month
Consultancy Work	As and when demand comes

HEAD ACADEMICS   **PRINCIPAL**

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, MaharashtraContact No. 7770002544 Website: www.viva-technology.org
NAAC "B++" Grade
Department of Electronics & Telecommunication Engineering
Academic Calendar JAN 2025-JUNE 2025

	MON	TUES	WED	THURS	FRI	SAT	SUN
1					**JANUARY**		
			1	2	3	4	5
				Department Meeting	HOD Meeting with Principal		
2	6	7	8	9	10	11	12
	Orientation Program		Final Year Project Review			Department Meeting	
	Mentor Session						
	Commencement of SEM IV/VI/VIII	Commencement of SEM II					
3	13	14	15	16	17	18	19
			HITAISHI (Cultural & Sports Week)				
4	20	21	22	23	24	25	26
	Mentor Session				Guest Lecture		Republic Day
5	27	28	29	30	31		
	IQAC Meeting				Industrial Visit		
					FEBRUARY		
						1	2
						Department Meeting	
						DAB Meeting	
6	3	4	5	6	7	8	9
	Mentor Session						
	HOD Meeting with Principal	NAAC Meeting			Guest Lecture		
7	10	11	12	13	14	15	16
	Guest Lecture						
			1st Student Feedback				
8	17	18	19	20	21	22	23
	Mentor Session		Chhatrapati Shivaji Maharaj Jayanti		Department Meeting		
9	24	25	26	27	28		
			Mahashivratri				
					MARCH		
						1	2
10	3	4	5	6	7	8	9
	HOD Meeting with Principal	NAAC Meeting				Department Meeting	
		IA 1		Paper Presentation	NCRENB 2025		
11	10	11	12	13	14	15	16
	Mentor Session						
	IQAC Meeting				Dhulivandan		
12	17	18	19	20	21	22	23
				Workshop			
13	24	25	26	27	28	29	30
	Mentor Session				Department Meeting		Gudhipadva
14	31						
	Ramzan Eid						
					APRIL		
		1	2	3	4	5	6
			2nd Student Feedback			Project Competition	Shriram Navmi
15	7	8	9	10	11	12	13
	Mentor Session				Department Meeting		
	HOD Meeting with Principal	NAAC Meeting		Mahavir Jayanti	IA 2		
16	14	15	16	17	18	19	20
	Dr. Babasaheb Ambedkar Jayanti	IA 2	IA 2	Department Meeting	Good Friday		
				Term End			
17	21	22	23	24	25	26	27
			OR/PR exam				
18	28	29	30				
		OR/PR exam					
					MAY		
				1	2	3	4
				Maharastra Day	Department Meeting		
19	5	6	7	8	9	10	11
	HOD Meeting with Principal	NAACMeeting			Department Meeting		
20	12	13	14	15	16	17	18
	Budhha Purnima	Commencement of Theory Examination(II/IV/VI/VIII)					
21	19	20	21	22	23	24	25
22	26	27	28	29	30	31	
					JUNE		
							1
23	2	3	4	5	6	7	8
	Commencement of Theory Examination(I/III/V/VII)				Department Meeting	Bakri Eid	
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	24	28	29
					Department Meeting		
27	30						
					JULY		
		1	2	3	4	5	6
					HOD Meeting with Principal	Department Meeting	
28	7	8	9	10	11	12	13
	Commencement of New Term						

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Department wise External Academic Audit	During Dec 2024 -Jan 2025
Defaulter list to be displayed & letter to parent	On 3rd day of every month
Declaration of result of IA- I	Within one week after UT exam
Development of Product, Project, Concept, Software, Ideas, etc.	Every Friday 3:15pm to 4:15pm
Technical Paper presentation by students in each department	First week of March 2025
Remedial Lectures to be arranged at Department level as per requirement	During Feb 2025 to May 2025
Degree Distribution Ceremony	As per UoM guidelines
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Maintenance work in all laboratories / workshop	On daily basis
Development of Product, Project, Concept, Software, Ideas, etc.	Every Friday 3:30pm to 4:30pm
Assessment & Moderation of Answer sheets	14th May 2025 onwards
Attending Seminar / Workshop organized by industry or other educational Institutions	As & when opportunity comes
Departmental Meeting	Twice in Month
HOD Meeting with Principal	Once in Month
DAB Meeting in every department	Once in a year
CDC Meeting	Twice in each semester
Board of Governors Meeting	Once in a year
Mentor Sessions	Twice in month
Consultancy Work	As and when demand comes

Head of Department   **Head Academics**   27   **PRINCIPAL**

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NAAC "B++" Grade
Department of Electronics and Telecommunication Engineering
AY 2024-25 ODD Semester
Academic Calender JULY 2024-JANUARY 2025

	MON	TUES	WED	THURS	FRI	SAT	SUN
				JULY			
	1	2	3	4	5	6	7
1st WK	8 **Commencement of next Term (for SE/TE/BE) HOD Meeting with Principal**	9	10	11	12	13	14
2nd WK	15 **Seminar**	16	17 **Muharram**	18	19	20	21
3rd WK	22 **IQAC Meeting**	23	24	25	26	27	28
4th WK	29	30	31	**Workshop**			
				AUGUST			
5th WK				1	2	3	4
	5 **Display of 1st Defaulter list**	6	7	8	9 **Industrial Visit**	10	11
6th WK	12 **Guest Lecture HOD Meeting with Principal**	13	14	15 **Independence Day**	16	17	18
			1st Student Feedback				
7th WK	19 **IQAC Meeting**	20	21	22	23	24	25
			IA 1(for SE/TE/BE)				
8th WK	26	27	28	29 **IA 1Result**	30	31 **Parent Teacher Meeting**	
				Internal Audit AY 2023-24			
						TECHCHASE	
				SEPTEMBER			
9th WK							1
	2 **Guest Lecture**	3 **Display of 2nd Defaulter list**	4	5 **(Teacher's Day)**	6	7 **Ganesh Chaturthi**	8
10th WK							**Mid-Term Break**
	9	10	11	12	13	14	15 **(Engineer's Day)**
11th WK	16 **Eid-e-Milad**	17	18	19	20	21	22
			Mid-Term Break				
12th WK	23 **IQAC Meeting**	24	25	26	27	28	29
13th WK	30						
				OCTOBER			
		1	2 **Mahatma Gandhi Jayanti**	3 **Display of 3rd Defaulter list (Blood Donation Camp)**	4	5	6
14th WK	7 **NCRENB Meeting HOD Meeting with Principal**	8	9	10	11	12 **Dassera**	13
			2nd Student Feedback				
15th WK	14 **IQAC Meeting**	15	16	17	18	19	20
		IA 2(for SE/TE/BE)		**IA Result &TermWork Submission**	**Term End**		
16th WK	21	22	23	24	25	26	27
			Oral/Practical Examination				
17th WK	28	29	30	31			
		Oral/Practical Examination					
				NOVEMBER			
					1 **Laxmi pujan**	2 **Bali Pratipada Diwali padwa**	3
18th WK	4 **NCRENB Meeting HOD Meeting with Principal**	5	6	7	8	9	10
19th WK	11 **Commencement of Theory Examination (SEM III, V and VII)**	12	13	14	15 **Guru Nanak Jayanti**	16	17
20th WK	18	19	20	21	22	23	24
21st WK	25	26	27	28	29	30	
				DECEMBER			
							1
22nd WK	2 **Commencement of Theory Examination (SEM II, IV, VI, VIII)**	3	4	5	6	7	8
23rd WK	9	10	11	12	13	14	15
24th WK	16	17	18	19	20	21	22
25th WK	23	24	25 **Christmas Day**	26	27	28	29
26th WK	30	31					
				JANUARY			
		1	2	3	4	5	
27th WK	6 **Commencement of next Term HOD Meeting with Principal**	7	8	9	10	11	12

One Week Departmental Faculty Development Program	**During Nov 2024 to Dec 2024**
Attending Seminar / Workshop organized by industry or other Institutions	**As & when opportunity comes**
DAB Meeting	**In Even Semester**
Remedial Lectures to be arranged at Department level as per requirement	**During Aug 2024 to Oct 2024**
Mentor Sessions	**Twice in month**
Department External Audit for AY 2023-24	**Befor Nov 2024**
Bridge Course	**During July 2024 to Oct 2024**

HEAD ACADEMICS   **PRINCIPAL**
Dr. Archana Ingle   **Dr. Arunkumar**

Academic Calendar (2024-2025)
JANUARY-2025 TO JUNE-2025

Date	Event/ Activity
13/01/2025	Commencement of Term for First Year Semester-2 students
13/01/2025 to 17/01/2025	Hitaishi
13/01/2025 to 31/01/2025	Project Synopsis Submission of Second Year Semester-4 students
13/01/2025 to 24/01/2025	Mini Project details Submission of Second Year Semester-2 students
Every Thursday Submission of Mini Project Log Book of First year Semester-2 students	
2nd and 4th Tuesday of every month	Mentoring activity of First year semester-2 students
03/02/2025	Defaulter list will be displayed for the month of January-2025
1st Saturday of every month / As and when required	Departmental meeting
In the month of February	Convocation Ceremony
01/02/2025 to 05/02/2025	Submission of 1st Progress report for Second Year Semester-4 students
February-2025 to April-2025	Arrangement of Workshop/Seminar/Guest Lecture/FDP for faculty and Student as per availability of Resource Person
03/03/2025	Defaulter list will be displayed for the month of February-2025
03/03/2025 to 08/03/2025	Submission of 2nd Progress report and research paper for Second Year Sem-4
07/03/2025 to 08/03/2025	NCRENB-2025 Conference
Last week of March 2025	Feedback from-1 First year Semester-2 students
03/04/2025	Defaulter list will be displayed for the month of March-2025
01/04/2025 to 05/04/2025	Unit Test for First year semester-2 students
02/04/2025 to 05/04/2025	Submission of 3rd Progress Report for Second Year Semester-4
07/04/2025 to 11/04/2025	Mini Project presentation and Document submission for First year Semester-2 students.
11/04/2025	Declaration of result of Unit Test-I for First Year Semester-2
Last week of April 2025	Feedback from-2 First year Semester-2 students
28/04/2025	Term End of First Year Semester-2 students
29/04/2025 to 30/04/2025	Final Submission of Journals, Project for first year Semester-2 students
02/05/2025 to 09/05/2025	Project and Research paper presentation 1 for Second Year Semester-4
03/05/2025	Defaulter list will be displayed for the month of April-2025
05/05/2025 to 10/05/2025	Practical/Viva Exam and Theory Exam as per university timetable for First Year semester-2 students
19/05/2025 to 07/06/2025	Sem-I, II, III, Bridge Course Theory Exam as per university timetable
26/05/2025	Online Assessment & Moderation of Answer sheets as per University requirement
26/05/2025 to 30/05/2025	Project and Research paper presentation 2 for Second Year Semester-4
2nd Week of June 2025	Final Submission of Project Black book and Research Paper
21/06/2025	Yoga Day Celebration
Last week of June	Sem-IV Internship Project final exam
ISR Activity as and when opportunity comes	
MOOC/ Certification course – guidance / enrollment / progress status twice in a semester	
Attending Seminar/ Workshop organized by other institute or industry as and when opportunity comes	

Prof. Chandani Patel
HOD- MCA

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Department of Mechanical Engineering

Academic Year 2024-25

Academic Calendar Jan 2025 to May 2025

Week	MON	TUE	WED	THU	FRI	SAT	SUN
			JANUARY				
1			1	2	3	4	5
2	6 Commencement of SEM IV, VI, VIII	7 Commencement of SEM II	8	9	10 HITAISHI	11	12
3	13	14	15	16	17	18	19
			HITAISHI (Cultural & Sports Week)				
4	20	21	22	23	24	25	26 Republic Day
	27	28	29	30	31		
5			FEBRUARY				
						1	2
6	3	4	5	6	7	8	9
7	10	11	12	13	14	15	16
8	17	18	19 Chhatrapati Shivaji Maharaj Jayanti	20	21	22	23
	24	25	26 Mahashivratri	27	28		
9			MARCH				
						1	2
10	3	4	5	6	7	8	9
	IA 1 And Student's First Academic Feedback				NCRENB 2025		
11	10	11	12	13	14 Dhulivandan	15	16
12	17	18	19	20	21	22	23
13	24	25	26	27	28	29	30 Gudhi Padwa
	31 Ramzan Eid						

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Department of Mechanical Engineering

Academic Year 2024-25

Academic Calendar Jan 2025 to May 2025

Week	MON	TUE	WED	THU	FRI	SAT	SUN
14				APRIL			
		1	2	3	4	5 Project Competition	6 Shriram Navmi
15	7	8	9	10 Mahavir Jayant	11 IA2	12	13
16	14 Dr.Babasaheb Ambedkar Jayanti	15 IA2 & 2nd Aademic feedback	16	17 Term End	18 Good Friday	19	20
17	21	22	23	24 OR/PR exam	25	26	27
	28	29 OR/PR exam	30				
18				MAY			
				1 Maharashtra Din	2	3	4
19	5	6	7	8	9	10	11
20	12 Buddha pournima	13 Commencement of Theory Examination(II/IV/VI/VIII)	14	15	16	17	18
21	19	20	21	22	23	24	25
	26	27	28	29	30	31	
22				JUNE			
							1
23	2 Commencement of Theory Examination(I/III/V/VII)	3	4	5	6	7 Bakri Eid	8
24		10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	27	28	29
27	30						

VIVA INSTITUTE OF TECHNOLOGY

Department of Mechanical Engineering

Academic Year 2024-25
Academic Calendar Jan 2025 to May 2025

Event Name	Duration
Department External Academic Audit	During April 2025
Defaulter list to be displayed	On 3rd day of every month
Declaration of result of IA- I and IA-II	Within one week after IAT exam
Remedial Lectures to be arranged as per requirement	IA 1- Three weeks after result IA 2- Two weeks afer result
One Week Faculty Development Program	During May 2025 to June 2025
Guest lecture/ Workshop/ Seminars to be arranged	During Jan 2025 to April 2025(as per availability of experts.)
Maintenance work in all laboratories / workshop	On daily basis
Departmental Meeting	At least one in a month
Industrial Visit	During Feb 2025 - March 2025 (As per availability of industry)

Academic Calender Incharge
Dept. of Mech Engg.

HOD
Dept. of Mech Engg.

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Department of Mechanical Engineering

Academic Year 2024-25
Academic Calendar July 2024 to Dec 2024

Week	MON	TUE	WED	THU	FRI	SAT	SUN
	JULY						
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
	Commencement of SE, TE, BE						
3	15	16	17	18	19	20	21
			Muharram				
4	22	23	24	25	26	27	28
5	29	30	31				
		Finalised project group					
	AUGUST						
				1	2	3	4
6	5	6	7	8	9	10	11
	Display of 1st Defaulter list			Project topic selection & Presentation			
7	12	13	14	15	16	17	18
				Independence Day	Final Topic Selection		
8	19	20	21	22	23	24	25
			IA 1(for SE/TE/BE) & Student's Feedback 1				
9	26	27	28	29	30	31	
						Parents Teacher Meeting	
					TECHCHASE		
	SEPTEMBER						
							1
10	2	3	4	5	6	7	8
		Display of 2nd Defaulter list		Teacher's Day		Ganesh Chaturthi	Mid term break
11	9	10	11	12	13	14	15
	Mid term break						Engineer's Day
12	16	17	18	19	20	21	22
	Eid-e-Milad						
13	23	24	25	26	27	28	29
	Synopsis Review 1			Synopsis Review 2			
14	30						
	Synopsis Review 3						

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Department of Mechanical Engineering

Academic Year 2024-25
Academic Calendar July 2024 to Dec 2024

Week	MON	TUE	WED	THU	FRI	SAT	SUN
			OCTOBER				
14		1	2	3	4	5	6
			Mahatma Gandhi Jayanti	Synopsis Presentation	Display of 3rd Defaulter list		
15	7	8	9	10	11	12	13
	Synopsis Submission					Dassera	
16	14	15	16	17	18	19	20
	IA 2(for SE/TE/BE) & Student's feedback II			Submissions	Term End		
17	21	22	23	24	25	26	27
	Oral / Practical Examinatin						
18	28	29	30	31			
	Oral / Practical Examinatin						
			NOVEMBER				
					1	2	3
					Laxmi pujan	Diwali	
19	4	5	6	7	8	9	10
20	11	12	13	14	15	16	17
	Commencement of Theory Examination (SEM III, V and VII)				Guru Nanak Jayanti		
21	18	19	20	21	22	23	24
22	25	26	27	28	29	30	
			DECEMBER				
							1
23	2	3	4	5	6	7	8
	Commencement of Theory Examination (SEM II, IV, VI, VIII)						
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	27	28	29
			Christmas Day				
27	30	31					
			JANUARY				
			1	2	3	4	5
28	6	7	8	9	10	11	12
	Commencement of next Term						

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Department of Mechanical Engineering

Academic Year 2024-25
Academic Calendar July 2024 to Dec 2024

Event Name	Duration
Department External Academic Audit	During March 2024 -April 2024
Defaulter list to be displayed	On 3rd day of every month
Declaration of result of IA- I	Within one week after UT exam
Remedial Lectures to be arranged as per requirement	IA 1- Three weeks after result IA 2- Two weeks afer result
One Week Faculty Development Program	During May 2024 to June 2024
Guest lecture/ Workshop/ Seminars to be arranged	During Jan 2024 to April 2024(as per availability of experts.)
Maintenance work in all laboratories / workshop	On daily basis
Departmental Meeting	At least one in a month
Industrial Visit	During Feb 2024 - April 2024 (As per availability of industry)

Academic Calender
Incharge

HOD
Mechanical Engg Dept.

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Department of Mechanical Engineering

Academic Year 2024-25
Academic Calendar July 2024 to Dec 2024

VIVA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL ENGINEERING
DEPARTMENTAL CALENDER Odd Sem A.Y. 2024-25

Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event
1-Jul	Mon	Lab Audit	31-Jul	Wed		30-Aug	Fri	TECHCHASE	29-Sep	Sun		29-Oct	Tue	Oral/Practical Examination	28-Nov	Thu	
2-Jul	Tue	Lab Audit	1-Aug	Thu		31-Aug	Sat	Parent Teacher Meeting TECHCHASE	30-Sep	Mon	Mentor Meeting (SE/TE)	30-Oct	Wed	Oral/Practical Examination	29-Nov	Fri	
3-Jul	Wed	Lab Audit Edba software session	2-Aug	Fri	Mentor Meeting (BE) Department Meeting GL	1-Sep	Sun		1-Oct	Tue		31-Oct	Thu	Oral/Practical Examination	30-Nov	Sat	
4-Jul	Thu	Lab Audit Depatment Meeting	3-Aug	Sat	Compensatory leave (TECHCHASE)	2-Sep	Mon	Mentor Meeting (SE/TE)	2-Oct	Wed	Holiday (Mahatma Gandhi Jayanti)	1-Nov	Fri	Holiday (Laxmi Pujan)	1-Dec	Sun	
5-Jul	Fri	Lab Audit Placement Drive	4-Aug	Sun		3-Sep	Tue	Display of 2nd Defaulter list	3-Oct	Thu	Display of 3rd Defaulter list (Blood Donation Camp)	2-Nov	Sat	Holiday (Bali Pratipada Diwali padwa)	2-Dec	Mon	Commencement of Theory Examination (SEM II, IV,
6-Jul	Sat	Lab Audit	5-Aug	Mon	Display of 1st Defaulter list Mentor Meeting (SE/TE)	4-Sep	Wed		4-Oct	Fri		3-Nov	Sun		3-Dec	Tue	
7-Jul	Sun		6-Aug	Tue		5-Sep	Thu	Teacher's Day	5-Oct	Sat		4-Nov	Mon	NCRENB Meeting HOD Meeting with	4-Dec	Wed	
8-Jul	Mon	Commencement of next Term(for SE/TE/BE)	7-Aug	Wed		6-Sep	Fri		6-Oct	Sun		5-Nov	Tue		5-Dec	Thu	
9-Jul	Tue		8-Aug	Thu		7-Sep	Sat	Holiday (Ganesh Chaturthi)	7-Oct	Mon	NCRENB Meeting HOD Meeting with Principal	6-Nov	Wed		6-Dec	Fri	
10-Jul	Wed	EESA Committee Meeting	9-Aug	Fri	Mentor Meeting (BE) IIC Session	8-Sep	Sun		8-Oct	Tue	2nd Student Feedback	7-Nov	Thu		7-Dec	Sat	
11-Jul	Thu		10-Aug	Sat		9-Sep	Mon	HOD Meeting with Principal Mid-Term Break	9-Oct	Wed	2nd Student Feedback	8-Nov	Fri		8-Dec	Sun	
12-Jul	Fri		11-Aug	Sun		10-Sep	Tue	Mid-Term Break	10-Oct	Thu	2nd Student Feedback	9-Nov	Sat		9-Dec	Mon	
13-Jul	Sat		12-Aug	Mon	HOD Meeting with Principal 1st Student Feedback	11-Sep	Wed	Mid-Term Break	11-Oct	Fri	2nd Student Feedback Mentor Meeting (BE)	10-Nov	Sun		10-Dec	Tue	
14-Jul	Sun		13-Aug	Tue	1st Student Feedback Workshop(TE/BE)	12-Sep	Thu	Internal Audit AY 2023-24	12-Oct	Sat	Holiday (Dassera)	11-Nov	Mon	Commencement of Theory Examination (SEM III, V	11-Dec	Wed	
15-Jul	Mon	Mentor Meeting (SE/TE)	14-Aug	Wed	1st Student Feedback IV(TE/BE) IIC Session	13-Sep	Fri	Mentor Meeting (BE)	13-Oct	Sun		12-Nov	Tue		12-Dec	Thu	
16-Jul	Tue		15-Aug	Thu	Holiday (Independence Day)	14-Sep	Sat		14-Oct	Mon	IQAC Meeting IA 2 Course Exit Survey	13-Nov	Wed		13-Dec	Fri	
17-Jul	Wed	Holiday (Muharram)	16-Aug	Fri	1st Student Feedback Mentor Meeting (BE)	15-Sep	Sun	Engineer's Day	15-Oct	Tue	IA 2(for SE/TE/BE) Student Subject Choice Meeting	14-Nov	Thu		14-Dec	Sat	
18-Jul	Thu	GL (BE)	17-Aug	Sat		16-Sep	Mon	Holiday (Eid-e-Milad)	16-Oct	Wed	IA 2(for SE/TE/BE)	15-Nov	Fri	Holiday(Guru Nanak Jayanti)	15-Dec	Sun	
19-Jul	Fri	Mentor Meeting (BE) IV (SE/TE/BE)	18-Aug	Sun	Youth Festival	17-Sep	Tue		17-Oct	Thu	TermWork Submission	16-Nov	Sat		16-Dec	Mon	
20-Jul	Sat		19-Aug	Mon	IQAC Meeting Internal Audit AY 2023-24	18-Sep	Wed		18-Oct	Fri	Term End Retest Exam	17-Nov	Sun		17-Dec	Tue	
21-Jul	Sun		20-Aug	Tue	Internal Audit AY 2023-24	19-Sep	Thu		19-Oct	Sat		18-Nov	Mon		18-Dec	Wed	
22-Jul	Mon	IQAC Meeting Mentor Meeting (SE/TE)	21-Aug	Wed	IA 1(for SE/TE/BE) Internal Audit AY 2023-24	20-Sep	Fri	Mentor Meeting (BE)	20-Oct	Sun		19-Nov	Tue		19-Dec	Thu	
23-Jul	Tue	IIC Meeting	22-Aug	Thu	IA 1(for SE/TE/BE) Internal Audit AY 2023-24	21-Sep	Sat		21-Oct	Mon	Oral/Practical Examination Retest Exam	20-Nov	Wed		20-Dec	Fri	
24-Jul	Wed		23-Aug	Fri	IA 1(for SE/TE/BE) Internal Audit AY 2023-24	22-Sep	Sun		22-Oct	Tue	Oral/Practical Examination Retest Exam	21-Nov	Thu		21-Dec	Sat	
25-Jul	Thu	NSS Seminar	24-Aug	Sat		23-Sep	Mon	IQAC Meeting Flip class Mentor Meeting (SE/TE)	23-Oct	Wed	Oral/Practical Examination	22-Nov	Fri		22-Dec	Sun	
26-Jul	Fri	Mentor Meeting (BE) IIC Session	25-Aug	Sun		24-Sep	Tue	Flip class	24-Oct	Thu	Oral/Practical Examination	23-Nov	Sat		23-Dec	Mon	
27-Jul	Sat		26-Aug	Mon	Mentor Meeting (SE/TE) Remedial lecture(SE/TE/BE)	25-Sep	Wed	Flip class	25-Oct	Fri	Oral/Practical Examination	24-Nov	Sun		24-Dec	Tue	
28-Jul	Sun		27-Aug	Tue	Department Audit Remedial lecture(SE/TE/BE)	26-Sep	Thu	Flip class	26-Oct	Sat		25-Nov	Mon		25-Dec	Wed	Holiday (Christmas Day)
29-Jul	Mon	Mentor Meeting (SE/TE)	28-Aug	Wed	Slow Learner Activity Fast Learner Activity	27-Sep	Fri	Flip class Mentor Meeting (BE)	27-Oct	Sun		26-Nov	Tue		26-Dec	Thu	
30-Jul	Tue		29-Aug	Thu	Slow Learner Activity Fast Learner Activity	28-Sep	Sat		28-Oct	Mon	Oral/Practical Examination	27-Nov	Wed		27-Dec	Fri	

Weekly task	**Mentors** - every Monday, **Project Group followup** - evey Friday, **Bridge Course** - as per timetable
Monthly task	**Display of Defaulter list & letter to Parents** - 3rd of Each Month, **Feedback** - Feedback I in 1st month, feedback II in 3rd month, **Syllabus coverage report** - Last date of Each Month, **Remedial**
events	**Guest Lectures, Indusrial Visits and Training & Placement activitites -** As per availaibility of Guest & Industry, **Parents and Teachers meeting** - 1st Saturday of August
Semester End tasks	Course Exit Survey & Program Exit Survey - During IA - II, Maintenance work in Laboratories - Nov & Dec 2024

VIVA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL ENGINEERING
DEPARTMENTAL CALENDER Even Sem A.Y. 2024-25

Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event
1-Jan	Wed		31-Jan	Fri		2-Mar	Sun		1-Apr	Tue	Mentor Meeting (BE)	1-May	Thu	Maharastra Day	31-May	Sat	
2-Jan	Thu		1-Feb	Sat	Departmental Meeting / Industrial Visit	3-Mar	Mon	HOD Meeting with Principal / IA 1	2-Apr	Wed	2nd Student Feedback	2-May	Fri		1-Jun	Sun	
3-Jan	Fri	HOD Meeting with Principal Departmental	2-Feb	Sun		4-Mar	Tue	NAAC Meeting / IA 1	3-Apr	Thu	Mini Project Review II (TE)	3-May	Sat	Departmental Meeting	2-Jun	Mon	Commencement of Theory Examination(I/III/V/VII)
4-Jan	Sat	Compensatory leave	3-Feb	Mon	HOD Meeting with Principal / Defaulter List I Mentor Meeting	5-Mar	Wed	IA 1 / Defaulter List II	4-Apr	Fri	Mini Project Review II (TE)	4-May	Sun		3-Jun	Tue	
5-Jan	Sun		4-Feb	Tue	NAAC Meeting / Letter to Parents Mentor	6-Mar	Thu	Letter to Parents	5-Apr	Sat	Project Competition / Departmental Meeting	5-May	Mon	HOD Meeting with Principal	4-Jun	Wed	
6-Jan	Mon	Commencement of SEM IV/VI/VIII	5-Feb	Wed		7-Mar	Fri	NCRENB 2025	6-Apr	Sun	Shriram Navmi (Holiday)	6-May	Tue	NAAC Meeting	5-Jun	Thu	
7-Jan	Tue	Commencement of SEM II	6-Feb	Thu		8-Mar	Sat	NCRENB 2025 / Departmental Meeting	7-Apr	Mon	HOD Meeting with Principal / Mentor Meeting (SE,TE)	7-May	Wed		6-Jun	Fri	
8-Jan	Wed		7-Feb	Fri	Industrial Visit	9-Mar	Sun		8-Apr	Tue	NAAC Meeting / Mentor Meeting (BE)	8-May	Thu		7-Jun	Sat	Bakri Eid (Holiday)
9-Jan	Thu		8-Feb	Sat		10-Mar	Mon	IQAC Meeting / Mentor Meeting (SE,TE)	9-Apr	Wed	Defaulter List III	9-May	Fri		8-Jun	Sun	
10-Jan	Fri		9-Feb	Sun		11-Mar	Tue	Declaration of result of IA- I / Mentor Meeting (BE)	10-Apr	Thu	Mahavir Jayanti (Holiday)	10-May	Sat		9-Jun	Mon	
11-Jan	Sat	Working due to Hitashi	10-Feb	Mon	Mentor Meeting (SE,TE)	12-Mar	Wed	Slow learner	11-Apr	Fri	IA 2 / Course Exit Survey (SE)	11-May	Sun		10-Jun	Tue	
12-Jan	Sun		11-Feb	Tue	1st Student Feedback / Mentor Meeting (BE)	13-Mar	Thu		12-Apr	Sat		12-May	Mon	Budhha Purnima (Holiday)	11-Jun	Wed	
13-Jan	Mon	HITAISHI (Cultural & Sports Week) Mentor	12-Feb	Wed		14-Mar	Fri	Dhulivandan (Holiday)	13-Apr	Sun		13-May	Tue	Commencement of Theory Examination(II/IV/VI/VIII)	12-Jun	Thu	
14-Jan	Tue	HITAISHI (Cultural & Sports Week) Mentor	13-Feb	Thu		15-Mar	Sat		14-Apr	Mon	Dr. Babasaheb Ambedkar Jayanti (Holiday)	14-May	Wed		13-Jun	Fri	
15-Jan	Wed	HITAISHI (Cultural & Sports Week)	14-Feb	Fri		16-Mar	Sun		15-Apr	Tue	IA 2 / Program Exit Survey	15-May	Thu		14-Jun	Sat	
16-Jan	Thu	HITAISHI (Cultural & Sports Week)	15-Feb	Sat		17-Mar	Mon	Remedial Lectures / Mentor Meeting (SE,TE)	16-Apr	Wed	IA 2 / Subject Exit Survey	16-May	Fri		15-Jun	Sun	
17-Jan	Fri	HITAISHI (Cultural & Sports Week)	16-Feb	Sun		18-Mar	Tue	Remedial Lectures / Mentor Meeting (BE)	17-Apr	Thu	Term End / Submission of term work	17-May	Sat		16-Jun	Mon	
18-Jan	Sat		17-Feb	Mon	Training and Placement Drive / Mentor Meeting	19-Mar	Wed	Remedial Lectures	18-Apr	Fri	Good Friday (Holiday)	18-May	Sun		17-Jun	Tue	
19-Jan	Sun		18-Feb	Tue	Mentor Meeting (BE)	20-Mar	Thu	Remedial Lectures / Mini Project Review II (SE)	19-Apr	Sat		19-May	Mon		18-Jun	Wed	
20-Jan	Mon	Major Project Review I (BE) Mentor Meeting	19-Feb	Wed	Chhatrapati Shivaji Maharai Jayanti (Holiday)	21-Mar	Fri	Remedial Lectures / Mini Project Review II (SE)	20-Apr	Sun		20-May	Tue		19-Jun	Thu	
21-Jan	Tue	Mini Project Review I (TE) / Mentor Meeting (BE)	20-Feb	Thu	Guest Lecture	22-Mar	Sat		21-Apr	Mon	OR/PR exam	21-May	Wed		20-Jun	Fri	
22-Jan	Wed	Mini Project Review I (TE)	21-Feb	Fri		23-Mar	Sun		22-Apr	Tue	OR/PR exam	22-May	Thu		21-Jun	Sat	
23-Jan	Thu		22-Feb	Sat		24-Mar	Mon	Flip Classroom / Mentor Meeting (SE,TE)	23-Apr	Wed	OR/PR exam	23-May	Fri		22-Jun	Sun	
24-Jan	Fri	Major Project Review I (BE)	23-Feb	Sun		25-Mar	Tue	Flip Classroom / Mentor Meeting (BE)	24-Apr	Thu	OR/PR exam	24-May	Sat		23-Jun	Mon	
25-Jan	Sat		24-Feb	Mon	Mentor Meeting (SE,TE)	26-Mar	Wed	Flip Classroom	25-Apr	Fri	OR/PR exam / Submission of Project and Black	25-May	Sun		24-Jun	Tue	
26-Jan	Sun	Republic Day (Holiday)	25-Feb	Tue	Mentor Meeting (BE)	27-Mar	Thu	Flip Classroom / Major Project Review II (BE)	26-Apr	Sat		26-May	Mon		25-Jun	Wed	
27-Jan	Mon	IQAC Meeting / Mini Project Review I (SE)	26-Feb	Wed	Mahashivratri (Holiday)	28-Mar	Fri	Flip Classroom / Major Project Review II (BE)	27-Apr	Sun		27-May	Tue		26-Jun	Thu	
28-Jan	Tue	Mini Project Review I (SE) / Mentor Meeting (BE)	27-Feb	Thu		29-Mar	Sat		28-Apr	Mon	OR/PR exam	28-May	Wed		27-Jun	Fri	
29-Jan	Wed	Guest Lecture	28-Feb	Fri		30-Mar	Sun	Gudhipadva (Holiday)	29-Apr	Tue	OR/PR exam	29-May	Thu		28-Jun	Sat	
30-Jan	Thu		1-Mar	Sat	Compensatory leave	31-Mar	Mon	Ramzan Eid (Holiday)	30-Apr	Wed	OR/PR exam	30-May	Fri		29-Jun	Sun	

Weekly task	**Mentors** - Monday & Tuesday, **Project Group followup** - evey Friday, **Bridge Course** - as per timetable
Monthly task	**Display of Defaulter list & letter to Parents** - 3rd of Each Month, **Feedback** - Feedback I in 1st month, feedback II in 3rd month, **Syllabus coverage report** - Last date of Each Month, **Remedial**
events	**Guest Lectures, Indusrial Visits and Training & Placement activitites -** As per availaibility of Guest & Industry, **NCRENB** - 1st Friday & Saturday of March
Semester End tasks	Course Exit Survey & Program Exit Survey - During IA - II, Maintenance work in Laboratories - May & June 2025

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Academic Audit Reports

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

NAAC "B++" Grade

Name of the department: Master of Computer Applications

Audit for A.Y. 2024-25   **Date: 1st November 2025**

Remarks by External Auditor

Sr. No.	Description	Observations	Remarks
1.	Attendance	45-50%	Need improvement Defaulters are informed.
2	Coverage of syllabus	95-100%	Records are maintained
3	Student feedback	Teaching Learning Feedback Curriculum & Facility Feedback	Feedback taken and Records are maintained
4	Continuous Evaluation	Monthly Syllabus Completion, Mentoring, Assignments, Case Study	Records are maintained
5	Quality of Internal.Assessment paper	QP Pattern as per UoM Verification done by HOD and Exam In-charge.	Appropriately Done
6	Analysis of University result ODD 62.79 90.63 EVEN 78.57 100	Need Improvement in Sem-I Result.	Overall - Good result and academic performance
7	Remedial classes	Not conducted	Need to conduct for betterment.
8	Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	Guest lecture-4, Workshop- 2, Seminar-1 Soft Skill -1 ISR activities-2	Good numbers of programs arranged. Records are Maintained
9	Industrial Visits	1	Need improvement
10	Value Added Courses	2	Records are maintained
11	Student counseling	Mentoring System 1:15	Files are properly available
12	Faculty Development Programs organized	AICTE-ISTE approved STTP Faculty Orientation Program conducted at University of Mumbai	Remarkable contribution at University of Mumbai

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13	Infrastructure	Adequate Infrastructure	Available as per norms
14	Self-Learning resources	Google classroom, NPTEL Courses, Virtual Lab, Faculty You Tube channel	Records Maintained
15	Student Participation and achievements Inhouse Other	MOOC-39 Publication-18 Other certification courses -27	Student participation in external events/competition needs improvement.
16	Internal Quality Assurance related activities	ISR, Presentation, Training Sessions, Bridge Course, Orientation Program,	Records Maintained
17	Placement	62% Highest: 8.47 LPA	Satisfactory placement; still, improvement is desirable.
18	Internship	Total - 32 19 with Stipend 13 without Stipend	Excellent efforts Students receiving stipends during internships is highly appreciable.
19	Student – Teacher Ratio	1:11	Maintained as per requirement. Faculty provided inter-departmental academic support.
20	MoUs	Total - 04	Active - 03
21	Faculty Publications Conferences Journals	Total -12	Faculty publications in conference and reputed journals need improvement.
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	Total - 30 Outside VIT - 16	Active participation observed
23	SWOC	S- Experienced Staff, Internship, Projects W-Research publications of Faculty and Students O- Alumni engagement, Industry Collaboration C- Employability sill, Placement	-
24	Newsletter/ Magazine	Newsletter 1 Magazine 1	Available
25	Alumni Engagement	Total - 6 Activity	Excellent Efforts

External Academic Audit Report

Remarks by External Auditor:

1. Faculty efforts in syllabus coverage and continuous evaluation are appreciable.
2. Good academic results reflect effective teaching and strong student engagement.
3. To enhance student's technical skills, the department conducts and maintains a good number of workshops, value-added courses and training sessions.
4. The department has maintained an excellent record of students securing paid internships.
5. The department has actively contributed to curriculum design in collaboration with the Board of Studies, University of Mumbai. Faculty members have also served as paper setters, examiners, and moderators at the University of Mumbai.
6. The efforts taken for alumni engagement have been highly appreciable.
7. To improve academic quality, the department should ensure every workshop and training session is mapped with relevant CO–POs and supported by structured feedback.
8. Faculty engagement in research and scholarly publications requires improvement.
9. The department needs to place greater emphasis on improving student attendance.
10. Maintain a mapping record to track the implementation status of activities against the planned academic calendar.
11. The department is advised to schedule remedial lectures to provide additional learning support.

Dr. Rashmita Pradhan
Assistant Professor, Academic coordinator
Late Bhausaheb Hiray S.S. Trust's
Institute of Computer Application
(External Auditor)

Prof. Chanani Patel
H.O.D- MCA

Prof. Karishma Raut
IQAC Coordinator

Dr. Arun Kumar
Principal

Name of the department: MCA

Audit for AY: 2024-25   Date: 15-09-2025

Remarks by interdepartmental Audit Committee

Sr. No.	Description	Observations	Remarks
1.	Attendance	45-50%	Need improvement
2	Coverage of syllabus	95-100%	Records are Maintained
3	Student feedback	Facility feedback Teaching Learning and Curriculum Feedback	As per guidelines
4	Continuous Evaluation	Monthly Syllabus completion Mentoring, Assignments, Case Study	Records Maintained
5	Quality of Internal Assessment paper	Pattern as per UoM, Domain expert and HOD verification	
6	Analysis of University result <table><tr><td>ODD</td><td>62.79</td><td>90.63</td></tr><tr><td>EVEN</td><td>78.57</td><td>100</td></tr></table>		Results are good as Compared with University Result. Still scope of improvement in lower semesters.
7	Remedial classes	Not conducted	Need to conduct for betterment.
8	Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	Guest lecture-4, Workshop-2, Seminar-1 ISR activities-2	Records are maintained
9	Industrial Visits	1	Need improvement
10	Value Added Courses	2	40 students benefited
11	Student counseling	Mentoring System 1:15	Files are properly available

12	Faculty Development Programs organized	1 AICTE-ISTE approved 1 University BoS Orientation	Excellent
13	Infrastructure	Adequate	Available as per norms
14	Self-Learning resources	Google classroom, NPTEL Courses, Virtual Lab, Faculty You Tube channel	Records Maintained
15	Student Participation and achievements Inhouse Other	MOOC- 39 Publication– 18 Other -27	Encourage students for intercollegiate participation
16	Internal Quality Assurance related activities	ISR, Presentation, Training Sessions, Bridge Course, VAD	Excellent Efforts
17	Placement	62%	Highest: 8.47 LPA Lowest: 1.2 LPA
18	Internship	19 with Stipend 13 without Stipend	Excellent efforts
19	Student – Teacher Ratio	1:20	As per required
20	MoUs	3 Active	Increase number of MoUs and activities through them.
21	Faculty Publications Conferences Journals	NCRENB-12	Publish in international conferences/ Reputed Journals (UGC care/scopus indexed/SCI journal publications)
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	16	Faculty: FDP/MOOC-20 Workshop-7
23	SWOC	S- Experienced Staff, Internship, Projects W-Research publications of Faculty and Students	O-Strong Alumni, Industry Collaboration C- Fluctuations in Job Market
24	Newsletter/ Magazine	Newsletter 1 Magazine 1	Enhancement suggested
25	Alumni Engagement	4 Guest Lectures 2 Expert Talk	Excellent

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Remarks

1. The department has made excellent contributions through active participation in the Board of Studies (BoS), University of Mumbai.
2. Alumni engagement initiatives have been highly commendable.
3. Improvement is required in student attendance and academic results, particularly during the first year.
4. Faculty and students should be further encouraged to engage in research, and to participate/publish in international conferences and reputed journals (UGC Care, Scopus indexed, SCI).
5. Student participation in curricular, extracurricular activities, and competitions needs to be enhanced.
6. The quality of the departmental magazine should be further improved, and steps should be taken to obtain an ISSN.
7. Teaching plans should be carefully verified against the number of available lectures, as significant variation has been observed across subjects.
8. The number of MoUs and activities conducted through them should be increased.

Auditors name and signature

Dr. Archana Ingle (Vice-Principal and HOD EXTC Dept)
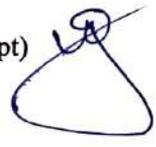
Prof. Bhushan Save (HOD ECS Dept)
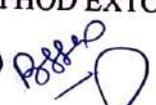
Dr. Niyati Raut (HOD Mechanical Dept)
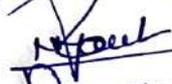
Dr. Ashwini Save (HOD Computer Dept)

Dr. Trupti Patil (Humanities and Sciences Dept)

Prof. Akshay Mistry (HOD Civil Dept)

Prof. Anoj Kumar Yadav (ECS Dept)

Prof. Minakshi Gaonkar (CSE AI &ML) Dept)

Prof. Karishma Raut

(IQAC coordinator)

Dr. Arun Kumar

Principal

VISHNU WAMAN THAKUR CHARITABLE TRUST'S

VIVA INSTITUTE OF TECHNOLOGY

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VIVA Institute of Technology

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ACCREDITED by NAAC with "B++" Grade

Name of the department: Mechanical Engineering

Date: 10/09/2025

Audit for AY 2024-2025

Remarks by the interdepartmental Audit Committee

Sr. No	Description	Observations	Remarks
1	Attendance	Average attendance is 70-75 %	A letter to parents was issued after defaulter 1, and a call was made to parents after defaulter 2. Records are maintained.
2	Coverage of Syllabus	95 to 100 % syllabus coverage	Records are maintained.
3	Student Feedback	Faculty Feedback: Twice a Semester Facility Feedback: Once a Year Curriculum Feedback: Once a Year	Records are maintained.
4	Continuous Evaluation	Monthly syllabus coverage report Assignment and Quiz taken Rubrics for assessment Major and mini project evaluation	Records are maintained.
5	Quality of unit test paper	As per the format. All COs are covered. PI code and BL mentioned in the IA Q.P.	Records are maintained.
6	Analysis of University Result (in %) 	2024-25	SE	TE	BE
ODD	17	29	76
EVEN	22	71	88		Gazette copy and Analysis Result Analysis	Lower semester results can be improved.
7	Remedial Classes	Remedial Classes were taken based on IA 1, IA 2, and end semester exam	Records are maintained.
8	Seminars/Guest Lectures/ Workshop IPR/softskill/other	No. of Guest lectures arranged: 06 No. of Workshops arranged: 01	Records are maintained.
9	Industrial visits	Industrial visits Student 02 Industrial visits Faculty 03	The number of visits for students can be improved.
10	Value-added courses	No. of value-added courses arranged: 5	Records are maintained.
11	Student Counselling	Mentor to mentee ratio 1:18	Records are maintained.

12	Faculty Development Program	One 6-day ISTE-approved STTP was organised.	Records are maintained.
13	Infrastructure	classroom 03, Lab 10, Drawing hall 01, Welding Excellence Centre 01	As per the requirement
14	Self-Learning Resources	ISHRAE activity, Department Library, Value-added course, Virtual Lab, Google Classroom, E-journals,	Records are maintained.
15	Students Participation Achievement	Participation: In-house participation: 151, Other: 58 Achievement: In-house: 32, Other: 41 Received a research grant of 50,000	A good number of participants and achievements.
16	International Quality Assurance-related activity	Domain Expert, Remedial lectures, Internship, Industrial visits, STTP and FDP, Industrial Project, self learning Courses	Records are maintained.
17	Placement	100% Placement.	2.5 LPA- 3.75 LPA Excellent placements
18	Internship	Total Number of Students who completed Internship: 38	Records are maintained.
19	Student-Teacher Ratio	Odd Sem 1:15 Even Sem 1:11	Records are maintained.
20	MoUs	Active MOU: 03	Records are maintained.
21	Faculty Publications Conferences Journals	NCRENB: 23 UGC/ Scopes: 02+02 under process Non UGC International Journal: 03 + 23 (under process)	A good number of publications. Records are maintained.
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	STTP In-house: 02 by 14 faculties outside: 7 by 4 faculties NPTEL: 11 by 5 faculties	Records are maintained.
23	SWOC	S: Experienced Faculty, core placement W: Low admissions, Resource constraints O: Research grant, alumni, Internship C: high student drop-out rate, skilled lab assistant	

24	Newsletter/ Magazine	Two newsletters per year. One magazine per year.	Records are maintained. Technical content should be included in technical Magazine.
25	Alumni Engagement	A total of 4 activities were done by the Alumni	Records are maintained.

Remarks by the Interdepartmental Audit Committee

1. A commendable number of student achievements have been observed in various technical events.
2. Focused efforts are required to improve the academic performance of students in the lower semesters.
3. The department has achieved strong placements in core industries.
4. Suitable measures should be implemented to reduce the student dropout rate.
5. Alumni engagement needs to be strengthened, particularly for delivering guest lectures and facilitating industrial visits.
6. The number of industrial visits for students should be further increased.
7. The Technical Magazine should feature a greater number of quality technical articles.

Auditor's name and signature

Prof. Bhushan Save (HOD Electrical & Computer Dept)

Dr. Ashwini Save (HOD Computer Dept)

Prof. Manju Mishra (HOD Humanities and Sciences Dept)

Prof. Chandani Patel (HOD MCA Dept)

Prof. Akshay Mistry (HOD Civil Dept)

Prof. Anojkumar Yadav (Electrical & Computer Dept)

Prof. Minakshi Vikas Gaonkar (CSE (AI &ML) Dept)
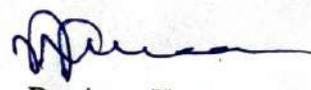
Prof. Karishma Raut

(IQAC coordinator)

Dr. Arun Kumar

Principal

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Name of the department: **Mechanical Engineering**

Audit for AY **2024-25**   Date: **14/10/2025**

Remarks by interdepartmental Audit Committee

Sr. No.	Description	Observations	Remarks
1.	Attendance	good practice of taking signature	Must staut automation for attendance marking
2	Coverage of syllabus	Plan for rata. less no.	must plan for min prescribed no of lectures.
3	Student feedback	good feed beele system	staut standardisation of formats, staut giving Numbers to the form.
4	Continuous Evaluation	good maintenance of CE, compaeing	must take some efforts to impore result based on last year result
5	Quality of Unit test paper	= using BLT	must have some stratogy to use BLT
6	Analysis of University result 47% 29%	gnereale in Result as compaeed to last Year	2nd year Result in concerning must think of this
7	Remedial classes	Remedial is taken after IAE1 22,	must follow Rubric to identify slow learner,
8	Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	GL=6 WIS = Project Enhibition=0	
9	Industrial Visits (student & feeeulty) S=2 F=9	alongwith student fuerlties also visiting	good practice
10	Value Added Courses	Toteel =5	good enough - question paper & Grade sheet needed
11	Student counseling	Good maintered file	Good practice
12	Faculty Development Programs organised	01 Dept level STTP	✔
13	Infrastructure	physical Infra,	Available as per Requirement

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14	Self-Learning resources	Self learning material available	✓
15	Student Participation and achievements Inhouse & Other	Achievers = 16 Activity = 17 Total students = 84	good participation
16	Internal Quality Assurance related activities	Remedial & cont. evaluation	work for slow learner.
17	Placement	Placements good enough	✓
18	Internship	Well maintained File.	
19	Student – Teacher Ratio	SFR is very large.	may be due to less no. of students. Faculty count is enough. Good practice.
20	MoUs	MoU = 5 Activity-3	
21	Faculty Publications Conferences Journals	Journal = 5 published Nat. conference = 23	publication count should be increased.
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	STTP = 34, examiner paper setting Year 4 per faculty	good enough.
23	SWOC	Need to overcome weakness and challenges.	✓
24	Newsletter/ Magazine	01 Annual magazine 02 newsletter	good practice
25	Alumni Engagement	4 Activities. 01 Alumni meet	Need to maintain Alumni Record & update

Remarks

1) All files are maintained properly.

2) In some files updation is required (Refer Remarks)

3) Work on standardization documents.

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4) Good no. of student activities, placement & participation.

Auditors name and signature
14/01/25

Dr. K.S. Rambhad.

VIVA INSTITUTE OF TECHNOLOGY

Department of Mechanical Engineering

External Audit 2024-2025

Faculty Attendance

SR. No.	Name of The Faculty	Signature
01	Hiyati Raut	*(signed)*
02	Omkar K. Joshi	*(signed)*
3	Pratik P. Raut	*(signed)*
4	Tejas H. Chaudhari	*(signed)*
5.	Mr. Swapnil Raut	*(signed)*
6.	Mr. Priyank M. Vartak	*(signed)*
7	Mr. Suneet Mehta	*(signed)*
8.	Mrs. Henisha A. Raut	*(signed)*
9.	Ms. Chhaya S. Patil	*(signed)*

(signed) 14/10/2025

External Auditor

(signed)

HOD

Department of Mechanical Engg.

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NOTICE

VIT/ CIVIL/ 12 / 2025-26   Date:26.09.2025

There will be external academic audit of year 2024-25 on 26th September 2025 in the department at 9:30am onwards. All faculty members should be present on that day , remain in department and keep the files ready for inspection until the audit is over.

Venue: Civil Engineering department

Time: 9:30am onwards

Prof.Ramya Raju   Prof.Akshay Mistry

Audit incharge   H.O.D CIVIL

Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra, Affiliated to University of Mumbai

At- Shirgaon, Post-Virar (E.), Tal-Vasai, Dist-Palghar – 401 305.

Tel.: 777 000 2544 • Website : www.viva-technology.org

NAAC "B++" Grade

Civil Engineering Department

To,   23/9/25

The Principal

VIVA Institute of Technology,

Virar (E)

Subject: Permission for External Academic Audit of AY 2024-25.

Respected Sir,

       We would like to conduct External Academic Audit for our civil engineering department of academic year 2024-25 on 29/9/2025, Monday.

Kindly grant us the permission for the same.

Thanking you,

Prof.Ramya Raju

Audit incharge

Prof.Akshay Mistry

H.O.D Civil Engg.

Permitted

23.9.25

P TO

No. VIVA / VIT / 280 / 2025-26

Date : 30|09|2025

To,
Mr. Ashok Meti,
St. John College of Engineering and Management,
Palghar-Manor road, near Shakti Udyog,
Palghar, Maharashtra 401404.

Sub: Letter of Appreciation.

Respected Sir,

We are thankful to you for your valuable time and effort as External Academic Auditor for our Civil Engineering department on 29th September 2025. Your guidance was very much informative, knowledgeable and motivating to our faculty members.

Your valuable suggestions will be helpful for the growth of department and institute.

Hope for similar support in future too.

Thanking you.

Principal
Dr. Arun Kumar

Civil Engineering Department

External Audit Report   **Date: 29.09.2025**

Name of Department: Civil Engineering

Audit year : 2024-25

Remarks by External Auditor

1. All departmental files are well maintained as per records.
2. Syllabus coverage and course file of all subjects are well maintained.
3. Gaps between the syllabus and the industry was identified and the bridge courses were conducted.
4. Projects must be aligned with vision mission and sustainable development goals.
5. Multi-disciplinary projects can be promoted.
6. Consultancy activities in collaboration with diploma can be planned.
7. ISTE Students chapter can be started
8. Faculties must attend the ATAL, SWAYAM, MOOC, NPTEL Courses
9. Final Year projects can be published under international Scopus indexed journals and conferences
10. Extra lectures are provided for DSC students with 100% syllabus coverage
11. Alumini interactions are appreciable.
12. Identify the weak students and special mentoring can be provided for improving their performance

Audit Signatories

External Auditor: 29/9/25 Ashok.M SJ CEM, palghar

Audit incharge

                                                29/9/25

H.O.D

IQAC coordinator

Principal

Dr.Arun Kumar

Vishnu Waman Thakur Charitable Trust's
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Academic Audit Report

Name of the department: Civil Engineering

Audit for AY 2024-25

Date: 19/09/2025

Remarks by interdepartmental Audit Committee

Sr. No.	Description	Observations	Remarks
1.	Attendance	60-70 %	Attendance can be improved
2	Coverage of syllabus	100 %	Records are maintained
3	Student feedback	Twice / semester HOD feedback	Records are maintained
4	Continuous Evaluation	Syllabus covered + Completion report taken	Records are maintained
5	Quality of Unit test paper	As per format, Verified by domain in-charge	Records are maintained
6	Analysis of University result <table><tr><td>14</td><td>33.3</td><td>68</td></tr><tr><td>48</td><td>32</td><td>84</td></tr></table>	Overall poor results	Need proper guidance to students and monitoring
7	Remedial classes	Based on IAT-I & IAT-II	For ESE not conducted
8	Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	Guest lect - 08	Records are maintained
9	Industrial Visits	08	Records are maintained
10	Value Added Courses	03	Records are maintained
11	Student counseling	1:15	Records are maintained
12	Faculty Development Programs organised	Not conducted	Need proper planning and execution
13	Infrastructure	Sufficient	As per norms
14	Self-Learning resources	Virtual labs, GC, Flip classroom	MOOC and NPTEL should be included
15	Student Participation and achievements	144=136+08	Can be maintained properly

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	Inhouse Other	Youth, Hitaishi, Sports, NCRENB	
16	Internal Quality Assurance related activities	Flip classroom, Remedial	Role play & case study can be included
17	Placement	out of 67, 11 placement and 2 Higher education	Placement percentage should be increased
18	Internship	14	Internship data not present
19	Student – Teacher Ratio	odd- 1: 9 Even- 1: 14	Records are maintained
20	MoUs	03	Documentation work can be improved
21	Faculty Publications Conferences Journals	Conferences 16+2	Target scopus publications
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	15	Records are maintained
23	SWOC	S-Experienced faculties W-Lack of organised work O-Publication in UGC C-Gap Exists between curriculum and industry	Department can work on opportunities and workshops, Industry institute interaction. Internships can help to improve it further.
24	Newsletter/ Magazine	Prepared	Quality of Newsletter and Technical magazine can be improved.
25	Alumni Engagement	04	Records are maintained

Remarks by Interdepartmental Audit Committee

. Improvement has been observed in faculty participation and research publications.

. Faculty members should be further encouraged to publish research papers in UGC-CARE and other reputed journals.

. Students should be motivated to pursue internships and certification courses to enhance their skills and employability.

. The department's efforts in producing the newsletter and technical magazine are commendable; however, adherence to proper guidelines is recommended.

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And Affiliated to University of Mumbai
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5. Semester results are below expectations and require immediate corrective measures.

6. Student involvement and achievements in various extracurricular activities are appreciable.

7. All departmental work must be aligned with IQAC guidelines,

Auditors name and signature

Dr. Archana Ingle (Vice-Principal and HOD EXTC Dept)

Prof. Bhushan Save (HOD ECS Dept)

Dr. Niyati Raut (HOD Mechanical Dept)

Dr. Trupti Patil (Humanities and Sciences Dept)

Prof. Chandani Patel (HOD MCA Dept)

Prof. Sunita Naik (Computer Dept)

Prof. Meena Perla (EXTC Dept)

rof. Karishma Raut

IQAC coordinator)

Dr. Arun Kumar

Principal

Academic Year 2025 – 26
Audit Report for Academic Year 2024 – 25

Name of Auditor: - Dr. Tatwadarshi P. N.
Date: - 15/10/2025

It is based on code of conduct and actions taken in relation to continuous improvement.

Remarks by External Auditor –

1. Student participation and achievement count at national, state, inter and intra-institutional levels are very good.
2. Faculty publication at national and international level is appreciable.
3. Include the exam policy document in the exam file.
4. Attach the university paper solutions in exam file.
5. Maintain one page report for elective subject orientation program.
6. Maintain employer feedback for student internships as per given by AICTE.

Dr. Tatwadarshi P. N.
Associate Professor
HOD, AI &DS , VCET

Dr. Arun Kumar
Principal
VIVA Institute of Technology

Dr. Ashwini Save
HOD, Computer Engg.
VIVA Institute of Technology

Prof. Karishma Raut
IQAC co coordinator
VIVA Institute of Technology

Academic Year 2025 - 26
Academic Audit (External) of Year 2024 - 25

Date: - 15/10/2025

Name of Auditor: - Dr. Tatwadarshi P. N.

Designation: - Associate Professor and Head of Department of Artificial Intelligence and Data Science

Institute: - Vidyavardhini's College of Engineering and Technology, Vasai

Sr. No.	Name	Sign
1	Dr. Ashwini Save	
2	Prof. Sunita Naik	
3	Prof. Reshma Chaudhari	
4	Prof. Saniket Kudoo	
5	Prof. Bhavika Thakur	
6	Prof. Kirtida Naik	
7	Prof. Akshata Raut	
8	Prof. Hima Kantharia	
9	Prof. Aniket Elinje	AB
10	Prof. Mitali Ghadigaonkar	
11	Mr. Dinesh Ugale	AB
12	Mrs. Sampda Patil	AB
13	Mrs. Vishakha Thakur	AB
14	Mr. Mayur Mhatre	
15	Mr. Vishal Gawde	

Name and Sign of Auditor

Dr. Tatwadarshi P. N.

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NAAC "B++" Grade

Name of the department: C O M P U T E R E N G I N E E R I N G

Audit for AY- 2024-2025___

Date: 12/9/2025

Remarks by interdepartmental Audit Committee

Sr. No.	Description	Observations	Remarks
1.	Attendance	65-70%	Need Improvement
2	Coverage of syllabus	100%	Records were available
3	Student feedback	Twice	Records should be maintained along with appreciation letter
4	Continuous Evaluation	• Teaching Plan • Syllabus coverage report • Mentors	Records were maintained
5	Quality of Unit test paper	• All CO'S, PI'S covered • Verified by Domain Expert & HOD	Appropriately done
6	Analysis of University result 78.08 86.15 100 80.82 95.38 100	Excellent Results	Excellent Results
7	Remedial classes	Remedial classes for I.A, University Fail students.	Analysis of remedial lectures done & Records were maintained
8	Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	9	Records were maintained
9	Industrial Visits	2	More visits can be organized
10	Value Added Courses	3	Records were maintained
11	Student counseling	Once in month	Records were maintained
12	Faculty Development Programs organized		Records were maintained
13	Infrastructure	Appropriate Infrastructure	Proper maintenance is done on regular basis

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14	Self-Learning resources	• Departmental library • Google classroom • Certification course	-
15	Student Participation and achievements Inhouse Other	Out house activity 15 In-house activity 217	Out house activity can be increased
16	Internal Quality Assurance related activities	• Domain experts • Project • Case study • Flip class	-
17	Placement	10	Serious attention is required
18	Internship	57	Good number but can be improved
19	Student – Teacher Ratio	Odd sem- 18.56 Even sem- 19.03	Records were maintained
20	MoUs	3 active	Try to improve it
21	Faculty Publications Conferences Journals	• Book chapter -02 • Patent – 03 • Paper publication- 32	Very good contribution
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	• Outside- 28 • Inside- 12	Good numbers
23	SWOC	Strength- mini/major projects, number of IPR'S Weakness- placement, Alumni engagement, lack of resources Opportunities- training and Research Challenges- placements & Faculty retention	Increase the number of alumni engagements, and startup or Enterprenureship
24	Newsletter/ Magazine	Newsletter 2 per year Magazine 1 per year	Maintained
25	Alumni Engagement	02	Try to increase the numbers

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Remarks

1. The academic results are commendable and noteworthy.
2. Faculty efforts in syllabus coverage and continuous evaluation are appreciable, and their active participation in MOOC courses further enhances academic quality.
3. The number of industrial visits should be enhanced to strengthen placement opportunities.
4. Alumni engagement needs to be further increased.
5. Placement performance is currently unsatisfactory and requires urgent improvement measures.
6. The number of active MoUs should be expanded.
7. Student participation and achievements are appreciable.

Auditors name and signature

Dr. Archana Ingle (Vice-Principal and HOD EXTC Dept)

Prof. Bhushan Save (HOD ECS Dept)

Prof. Manju Mishra (HOD Humanities and Sciences Dept)

Prof. Chandani Patel (HOD MCA Dept)

Prof. Pratik Raut (Mechanical Dept)

Prof. Minakshi Gaonkar (CSE (AI &ML) Dept)

Prof. Ramya Raju (CIVIL Dept)

Prof. Anoj Kumar Yadav (ECS Dept)

Prof. Karishma Raut
(IQAC coordinator)

Dr. Arun Kumar
Principal

PRINCIPAL
VISHNU WAMAN THAKUR CHARITABLE TRUST'S
VIVA INSTITUTE OF TECHNOLOGY

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Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)
Shirgaon, kumbharpada, Virar(E), Taluka- Vasai- 401 305, Phone no:7770002544 Website: www.viva-technology.org

DEPARTMENT OF COMPUTER ENGINEERING

Academic Year 2024 - 25
Attendance for Internal Academic Audit

Date:- 12/09/2025

Sr. No.	Name of Auditor	Sign
1.	Karishma Raut	DRaut
2.	Pradnya A. Mhatre	mmhatre
3.	Meena N. Perla	Leena
4.	Akshay Mistry	AS
5.	Pratik Raut	BRaut
6.	Anojkumar yadav.	P.K.
7.	Manju Mishra	Manju
8.	Minakshi Gaonkar	MGut
9.	Bhushan Sawe	BSW

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Academic Year 2024 - 25
Attendance for Internal Academic Audit

Date:- 12/09/2025

Sr. No.	Name of Teaching Staff	Sign
1	Dr. Ashwini Save	
2.	Sunita Naik	
3.	Reshma Chaudhari	
4.	Bhavika Thaku	
5.	Kirtida Naik	
6.	Saniket m. Kudoo	
7.	Hima Kemthasica	
8.	ANIKET ELINJE	
9.	Akshata Raut	
10	Mitali Ghadigaonkar	

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Academic Audit Report

e of the department: Computer Science & Engineering (Artificial Intelligence & Machine Learning)

it for AY 2024-25   **Date: 18/09/2025**

arks by interdepartmental Audit Committee

Description	Observations	Remarks
Attendance	50 – 75%	Defaulters are informed Letters are issued. Attendance can be improved
Coverage of syllabus	100%	Records are maintained
Student feedback	Academic feedback - Twice Curriculum & Facility feedback – Once	Feedback taken and Records are maintained
Continuous Evaluation	Monthly syllabus completion Report, Teaching plan, Monthly Attendance	Records are maintained
Quality of Unit test paper	All CO's are covered. POs, Bloom Level are properly referred. Verification done by HOD and Exam In-charge.	Appropriately Done
Analysis of University result Sem-3 53.02% Sem-5 94,44% Sem-4 75.59% Sem-6 93.33%	Need Improvement in Sem-III Result.	Overall - Good result and academic performance
Remedial classes	Conducted	Records are maintained
Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	Seminar/Guest Lect - 09 Workshop - 03	Good numbers of programs arranged. Records are maintained.
Industrial Visits	02	Records are maintained
Value Added Courses	17	Students completed online courses on platform like Coursera/Udemy.
Student counseling	Mentor system is implemented with ratio of 1:30. Parent teachers meeting has been conducted annually.	Need to improve ratio.

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2	Faculty Development Programs organized	01	Records are maintained
3	Infrastructure	Infrastructure resources are shared with other departments.	Dedicated infrastructure required with respect to student enrollment.
4	Self-Learning resources	Google classroom, Virtual Lab, NPTEL, Infosys springboard	Records are maintained
5	Student Participation and achievements Inhouse Other	Total Participation – 271 In house – 251 Outside – 20 Achievement -22	Students participation and achievements are appreciable. Enhanced student participation in outside events.
6	Internal Quality Assurance related activities	Workshop, Seminar, Technical event, IV, Student professional body	Records are maintained
7	Placement	Not Applicable	–
8	Internship	Total -30 Paid Internship - 12	Students receiving stipends is appreciable Need to increase internship count.
9	Student – Teacher Ratio	SFR – 23.94	Need Improvement
20	MoUs	03	Activities conducted
21	Faculty Publications Conferences Journals	Conference – 3 Journal -2	Scopus publications are a notable achievement
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	ATAL /FDP – 14 Courses -08	Active participation observed
23	SWOC	S - Good student enrollment W - Sharing of resources and infrastructure, Faculty retention O - Faculty participation and publication, industry interaction C – To achieve good Placement	-
24	Newsletter/ Magazine	Newsletter – 1 Magazine – 1	Available
25	Alumni Engagement	Not Applicable	-

narks by Interdepartmental Audit Committee

1. Faculty efforts in syllabus coverage and continuous evaluation are appreciable, and their active participation in MOOC courses further enhances academic quality.
2. Good academic results reflect effective teaching and strong student engagement.
3. To enhance student's technical skill a good number of workshops, value added courses and training sessions are properly conducted and maintained by the department.
4. Students participation in internships and technical activities is commendable; efforts are needed to involve more students in external competitions and events.
5. Faculty publications in reputed journals are appreciable; efforts are needed to involve more faculty in research and publication.
6. Dedicated infrastructure is recommended to enhance teaching and learning.
7. The department is advised to optimize the student-faculty ratio to strengthen departmental activities.

ditors name and signature

Archana Ingle (Vice-Principal and HOD EXTC Dept)

f. Bhushan Save (HOD ECS Dept)

Niyati Raut (HOD Mechanical Dept)

f. Manju Mishra (HOD Humanities and Sciences Dept)

f. Akshay Mistry (HOD Civil Dept)

f. Chandani Patel (HOD MCA Dept)

f. Sunita Naik (Computer Dept)

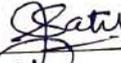f. Omkar Joshi (Mechanical Dept)

f. Karishma Raut

AC coordinator)
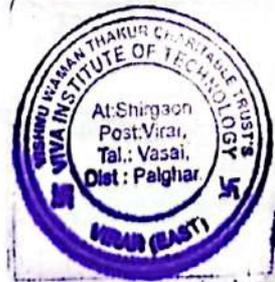
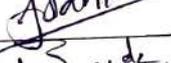Dr. Arun Kumar

Principal
PRINCIPAL

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
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13	Infrastructure			Available as per requirement
		Classroom	02	
		Tutorial Room	01	
		Staff Room	01	
		Laboratory	07	
		Laboratory Dedicated to FE	01	
14	Self-Learning resources	Google Classroom NPTEL Video Lectures Virtual Lab MOOC Courses Department Library		Records are maintained
15	Student Participation and achievements Inhouse Other	In-house 17 Achievement, 11 winners (1 kho kho team, 1 table tennis team)		Motivate students for outhouse participation
16	Internal Quality Assurance related activities	Flipclass and Virtual Lab TPO session file Project competition		Appropriate process followed
17	Placement	100% Placement		Placement numbers are appreciable.
18	Internship	Total Number of Students who completed Internship: 36		Good participation
19	Student – Teacher Ratio			Records are maintained

2024-25	Odd	Even	Avg
Student-Teacher ratio	12.75	13.27	13.01

20	MoUs	MOU: 03	Active MOU 02
21	Faculty Publications Conferences Journals	Conferences: 13 Journals: 10 National Journal 02 International Journal	Participation needed in paper publication in UGC/SCOPUS
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	STTP In-house: 17 outside: 03 Total No. of Faculties Registered for NPTEL Course 07	Records are Maintained
23	SWOC	Strengths: Experienced and well-qualified faculty. Weaknesses: Lower student intake in core branches. Opportunities: Need industry collaborations for internships, workshops, and practical projects. Challenges: Attracting and retaining skilled faculty	Need effort to improve lower semester result.
24	Newsletter/ Magazine	Two newsletters per year. One magazine per year.	Records are maintained

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NAAC "B++" Grade

Name of the department: Electrical Engineering

Audit for AY 2024-2025   Date: 16/09/2025

Remarks by interdepartmental Audit Committee

Sr. No.	Description	Observations	Remarks
1	Attendance	Range: 65-75 %	Records are maintained
2	Coverage of syllabus	100 % syllabus coverage	Monthly Syllabus Coverage 40-50% in IA 1 95-100% in IA 2
3	Student feedback	Student Feedback: Twice a Sem Facility Feedback: Once a Year Curriculum Feedback: Once a Year	Taken as per guidelines.
4	Continuous Evaluation	Monthly syllabus coverage report Monthly defaulter list Mentor meeting Weekly Remedial Lecture based on IA and University results	Records are maintained
5	Quality of Unit test paper	As per the format. All COs are covered. PI code and Bloom Level mentioned in the IA Q.P.	Internal assessment question paper is as per format and verified by domain expert and HOD
6	Analysis of University result	Gazette copy and Analysis Result Analysis	More attention needed on sem III & IV results
7	Remedial classes	Remedial Classes taken based on IA 1, IA 2. and university Exam results	Records are maintained as per format
8	Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	No. of Guest lectures arranged: 03 No. of Workshops arranged: 02	Records are maintained
9	Industrial Visits	Student IV 06 Faculty IV 01	Records are maintained
10	Value Added Courses	No. of value-added courses arranged: 03, Each of 30 hours	Records are maintained
11	Student counseling		Records are maintained
12	Faculty Development Programs organised	Power Load Forecasting Using Machine Learning" was held during 4th November to 11th November 2024	Records are maintained

Table within Sr. No. 6:

2024-25	SE	TE	BE
ODD	32.90	51.13	60.47
EVEN	63.33	70.00	95.00

Table within Sr. No. 11:

Total No. of Mentors	7
Total No. of Mentees	120
Ratio of Mentor to Mentees	1:17

OnlinePhotoScanner.com

Remarks

1. Faculty contributions toward syllabus coverage and continuous evaluation are commendable

2. Strong academic results reflect effective teaching practices and active student engagement

3. The department has demonstrated good performance in core placements, however, placement data calculation and reporting processes need refinement for improved accuracy and analysis.

4. Faculty members are encouraged to actively utilize the institute's financial assistance scheme to upgrade their skills and knowledge.

5. Participation of faculty in external FDPs and of students in technical competitions requires further improvement.

6. Research output needs significant enhancement, as there is a noticeable lack of publications in reputed journals (Scopus/UGC CARE).

7. Alumni engagement initiatives are noteworthy and appreciated.

8. The number of active MoUs should be increased to strengthen academic–industry collaboration.

Auditors name and signature

Dr. Archana Ingle (Vice-Principal and HOD EXTC Dept)

Dr. Niyati Raut (HOD Mechanical Dept)

Prof. Manju Mishra (HOD Humanities and Sciences Dept)

Prof. Akshay Mistry (HOD Civil Dept)

Prof. Pradnya Mhatre (MCA Dept)

Prof. Sunita Naik (Computer Dept)

Prof. Karishma Raut
(IQAC coordinator)

Dr. Arun Kumar
Principal
VIVA INSTITUTE OF TECHNOLOGY

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Department of Electronics and Telecommunication Engineering

Academic Audit Report

Academic Audit for AY 2024-25 of Electronics & Telecommunication engineering department is conducted on 10th October 2025 by external auditor.

It is based on code of conduct and actions taken in relation to continuous improvement.

Remarks by External Academic Auditor-

The following points were noted during the visit.

1. **Course file:** Include College Vision and Mission along with the Department Vision and Mission at the beginning of the course file.

   Same file should include IA solution, University paper solution, Assignment with solution and Quiz paper.

2. **Faculty Feedback:** Issue Warning letter to low feedback faculty.

3. **PO mapping:** Cover PO mapping through assigning Assignment or giving case study to satisfy blooms level.

4. **Activity Report** should include photos, student feedback (Bridge course/guest lecture/workshop/IV/ Appreciation to student/Internship)

5. **Mentor book:** mention the telephonic conversion done by faculty on counselling page

6. Financial Assistant detailed should be signed by all faculties.

7. Self-learning material can include small experimental video created by faculty/experts for students.

8. Placement record maintain properly in file showing no. of offers to per student with package.

9. Internship report marks consider for internal term work for mini project/project.

10. Increase no. of MOUs and placement.

11. Student teacher ratio is to calculate as per sanctioned intake or actual intake whichever is highest.

12. Show separate Project lab in department as required by NBA.

13. Include student name along with faculty in Technical magazine editorial board.

14. Increase Alumni Engagement for NBA point of view.

Department of Electronics and Telecommunication Engineering

Department strength:

1. Teaching-learning records are maintained very well.
2. Self-learning of faculties through FDP/ NPTEL is appreciable.
3. Good student achievements.
4. Strong alumni network.

Department weakness:

1. Collaborative Research publications and consultancy projects need to be increased by faculties/students.
2. Need to initialize proposals for research funding.

Dr. Amrita Ruperee
Professor & HOD EXTC, VCET, Vasai

Dr. Archana Ingle
HOD EXTC, VIVA Institute of Technology

Prof. Karishma Raut
IQAC Coordinator, VIVA Institute of Technology

Principal
VIVA Institute of Technology

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Academic Audit : AY 2024-25

External Audit   Date: 10th October 2025

Sr. No.	Name of Faculty	Sign
1	Dr. Archana Ingle	
2	Tejashri Thorat	
3	Sonali Gaikwad	
4	KUSHAL SUVARNA	
5	Meena Perla	
6	Nutan Malekar	
7	Pratik Parsewar	
8	Ashwini Sanlee	
9	Bharat Wande	
10		
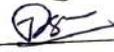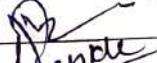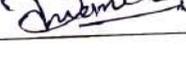
Auditor Name with Sign:

Dr. Amrita Ruperee
Associate Professor
VCET, Vasai

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Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

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and Affiliated to University of Mumbai NAAC " B++" Grade

Shri. Hitendra V. Thakur	Ms. Aparna P. Thakur	Dr. Arun Kuma
President	Secretary	Principal

Ref. No. : VIVA / VIT / 319 / 2025- 26

Date : 10|10|2(

To,

Dr. Amrita Ruperee,

Associate Professor,

HOD, Electronics and Telecommunication Engineering,

Vidyavardhini's College of Engineering & Technology,

Vasai (W), Dist-Palghar, Maharashtra.

Subject: Letter of Appreciation.

Dear Madam,

We are really grateful to you for your valuable time and effort as **External Academic Auditor** for our Electronics and Telecommunication Engineering department on **10th October 2025.** Your guidance was very much informative, knowledgeable and motivating to our faculty members.

Your valuable suggestions will be helpful for the growth of department and institute.

Hope for similar support in future too.

Thanking You.

Received
ARuperee

Yours faithfully,

10·10·2025

Dr. Arun Kumar
Principal

VIVA Technical Campus, At. Post Shirgaon, Virar (East), Dist. Palghar - 401 305.
Tel. :77700 02544 ✦ Web Fax : 9122 3916 7294 ✦ Website : www.viva-technology.org
E-mail : contact@viva-technology.org / principal@viva-technology.org

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Name of the department: Electronics and Telecommunication (EXTC) Engg

Audit for AY: 2024-2025   **Date:** 11/09/2025

Remarks by interdepartmental Audit Committee

Sr. No.	Description	Observations	Remarks
1.	Attendance	60-65%	Need improvement
2	Coverage of syllabus	95-100%	Records Maintained
3	Student feedback	Academic– Twice in Semester Facility- Once in Year	Records Maintained
4	Continuous Evaluation	Syllabus Completion Report, Mentoring, Remedial, Faculty Meeting.	Records Maintained
5	Quality of Unit test paper	70-80% Change, Co Coverage, Verification Process.	Records Maintained
6	Analysis of University result 53 / 71 / 94 46 / 84 / 100		SE Result can be improved by focusing more on tough subjects.
7	Remedial classes	Conducted	Records Maintained
8	Seminars/ guest lecture / Workshops Domain IPR/Soft skill/ICT/other	Seminar/GL- 06 Worksho-02	Records need to verify
9	Industrial Visits	04	Good No. of IV's
10	Value Added Courses	05	Good. Records Maintained
11	Student counseling	Mentoring, Orientation, PTM.	Records Maintained

12	Faculty Development Programs organised	01	Records Maintained
13	Infrastructure	As per norms	
14	Self-Learning resources	G-Classroom, NPTL, V Lab, Dept Library, MOOC.	
15	Student Participation and achievements Inhouse Other	In-house:128 Out of VIVA-Tech: 91 Achievements: 15 NPTEL courses:08 IIRS-03	Very good participation and achievements
16	Internal Quality Assurance related activities	Presentations, Flip-class, Remedial, MOU, ISRO Prog.	Records need to verify
17	Placement	06 Students (80%)	Offer Letters need to maintained.
18	Internship	48 students	Letters need to maintained.
19	Student – Teacher Ratio	10.65 10.84 Avg- 10.75	Good SFR.
20	MoUs	04	MoU activity list to be include in file.
21	Faculty Publications Conferences Journals	Conferences -5+2 Journal-00 Design Patent 01	Maintain proper records.
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	06	Very Good.
23	SWOC	S: Experience Faculties W: PhD faculties O: Publications C: Placement	Additional, Auto Rickshaw consultancy
24	Newsletter/ Magazine	Yearly prepared and Uploaded.	
25	Alumni Engagement	07	

Remarks:

1. The department has made excellent contributions through active participation in the Board of Studies (BoS), University of Mumbai.
2. Alumni engagement initiatives have been highly commendable.
3. The department has demonstrated good student participation and notable achievements.
4. A commendable number of FDPs, STTPs, ATAL FDPs, and NPTEL courses have been successfully completed by the faculty and students.
5. Faculty research publications need further improvement, with a focus on publishing in reputed journals.
6. Proper documentation and systematic maintenance of records in designated files is required.

Auditors name and signature
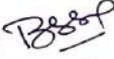
Prof. Bhushan Save (HOD ECS Dept)

Dr. Ashwini Save (HOD Computer Dept)
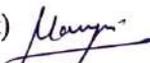
Prof. Manju Mishra (HOD Humanities and Sciences Dept)

Prof. Akshay Mistry (HOD Civil Dept)

Prof. Chandani Patel (HOD MCA Dept)

Prof. Pratik Raut (Mechanical Dept)
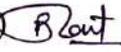
Prof. Minakshi Gaonkar (CSE (AI &ML) Dept)

Prof. Karishma Raut

(IQAC coordinator)

Dr. Arun Kumar

Principal

PRINCIPAL
VISHNU WAMAN THAKUR CHARITABLE TRUST'S
VIVA INSTITUTE OF TECHNOLOGY

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Academic Audit : AY 2024-25

Internal Audit   **Date:** 11/09/2025
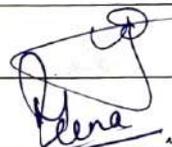
Sr. No.	Name of Faculty	Sign
1	Dr. Archana Ingle	
2	Mrs. Meena N. Perla	
3	Mrs. Sonali Gaikwad	
4	KUSHAL SUVARNA	
5	Bharat Wamde	
6	Dr. Ashwini Save	
7	Karlo	
8		
9		
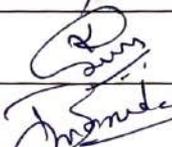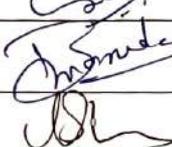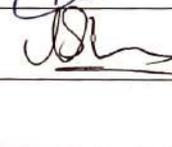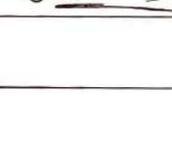
Auditor Name with Sign:

Dr. Ashwini Save.

BSSUP :- B. Sau
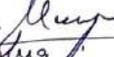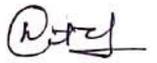
BRaut

Kartishreg Raut

Manju Mistra

Chandani Patel

Akshay Mistry
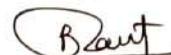
Pratik Raut

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VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

Name of the department: Humanities and Applied Sciences

Audit for AY: 2024-25

Date:17.09.2025

Remarks by interdepartmental Audit Committee

Sr. No.	Description	Observations	Remarks
1.	Attendance	67-83% odd term 71-86% even term	Records are maintained
2	Coverage of syllabus	100%	Records are maintained
3	Student feedback	Student twice/ sem Facility and curriculum once /year	Records maintained as per IQAC
4	Continuous Evaluation	Teaching Plan; Mentor, syllabus completion, course file	Records are maintained
5	Quality of Unit test paper	As per format	All Co'S are covered with Bloom level and PI indicator
6	Analysis of University result 27.8% 40.41%	Gazette copy and result analysis available	Records maintained and results can be improved with proper guidance
7	Remedial classes	Taken for IA 1 and university exam results	Records are maintained
8	Seminars/ guest lecture / Workshop Domain IPR/Soft skill/ICT/other	03	02 internal faculty 01 external faculty
9	Industrial Visits	-	-
10	Value Added Courses	01	Records are maintained
11	Student counseling	1:33	Records are maintained
12	Faculty Development Programs organised	NA	NA
13	Infrastructure	05 CLASS ROOM STAFF ROOM 01 LAB 02	Sufficient
14	Self-Learning resources	Google classroom; Department library; department book bank	Records are maintained

15	Student Participation and achievements Inhouse Other	Inhouse -22 Others -03	Student Participation can be improved outside VIT
16	Internal Quality Assurance related activities	Quiz; flip classroom, remedial test ; aptitude test	Records are maintained
17	Placement	NA	NA
18	Internship	NA	NA
19	Student – Teacher Ratio	SEM I 1:20 SEM II 1:18	Records are maintained
20	MoUs	NA	NA
21	Faculty Publications Conferences Journals	Conference 06 BOOK PUBLICATION 01 INTERNATIONAL JOURNAL 01	Records are maintained
22	FDP/STTP attended (Outside VIT) ATAL/SWAYAM/NPTEL	STTP 10 FDP 03 SWAYAM 02	Good participation is observed
23	SWOC	S: Experienced faculty from various discipline W: Academic result and to involve students for certified courses. O:To prepare students to be all round engineers C:Shortage of Teaching staff	-
24	Newsletter/ Magazine	News letter 01	Technical Magazine can be started
25	Alumni Engagement	NA	NA

Remarks

1. The faculty has published a book and contributed to paper setting and moderation at the University of Mumbai.
2. Students are encouraged to pursue certified courses and actively participate in intercollegiate activities.

3. Faculty participation in SWAYAM/NPTEL courses needs to be enhanced. It is recommended that every faculty undertakes at least one course or training program each year for continuous professional development.
4. Faculties are encouraged to publish in Scopus-indexed journals and to develop learning resources leveraging the expertise of senior members.
5. The department is appreciated for its newsletter initiatives; however, it is recommended to develop a technical magazine in line with standard guidelines.

Auditors name and signature

Dr. Archana Ingle (Vice-Principal and HOD EXTC Dept)
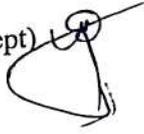
Prof. Bhushan Save (HOD ECS Dept)
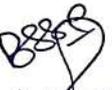
Dr. Niyati Raut (HOD Mechanical Dept)

Prof. Akshay Mistry (HOD Civil Dept)

Prof. Chandani Patel (HOD MCA Dept)

Prof. Sunita Naik (Computer Dept)
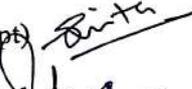
Prof. Meena Perla (EXTC Dept)

Prof. Karishma Raut

(IQAC coordinator)

Dr. Arun Kumar

Principal

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
VIVA INSTITUTE OF TECHNOLOGY

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STTP
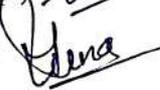
(Short Term Training Program)

Departmental Activity for Faculties

Academic Year 2024-25

Index

Sr. No.	Topic	Pg. No.
1	ISTE Letter	1
2	College Circular	3
3	List of Participant	4
4	Attendance Record	5
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भारतीय तकनीकी शिक्षा संस्था
INDIAN SOCIETY FOR TECHNICAL EDUCATION
(Under the Societies' Registration Act XXI of 1860)

Dr. S.M. Ali
Executive Secretary

ISTE/Proceedings/STTP/FDP-SF-MAH-142/2024-25   December 02, 2024

Proceedings of Executive Secretary, ISTE

Sub. : Sanction to conduct full time Faculty Development Programme on Self-financing basis for the financial year 2024-2025.

Sanction is hereby accorded to the following institution for the conduct of the SF-STTP/FDP programme indicated below:

Name of Institution	:	Viva Institute of Technology Virar (E), Dist. Palghar - 401305
Topic	:	**Microsoft Azure AI Engineer Associate**
Name & Address of Coordinators	:	Mrs. Karishma Raout Mrs. Chandani Patel HOD HOD
Duration	:	One Week
Proposed dates	:	**09.12.2024 to 14 -12-2024**

Terms and Conditions

The Institution offering the Programmes should be approved by AICTE and must be Institutional Member of ISTE. Institutions having ISTE Faculty Chapter and Students Chapter shall be preferred. There will be no financial commitment on the part of ISTE on account of this programme. The fee of one **proposal is Rs. 1180/- (Incl. 18% GST)** paid by NEFT/RTGS along with proposal in the following ISTE Account **(Name of Account: ISTE Membership Fee, Account No: 6707247614 Bank: Indian Bank IFSC Code: IDIB000M089 Branch: Mehrauli Road New Delhi).**

1 This will be a Self Financing program of the duration of 1 week/2 weeks/4 weeks.

2 The registration fee of the participants may be fixed by the host institution.

3 ISTE Life membership is necessary for participants to attend SF programmes. Minimum 25 Participants are must for conducting the FDP/STTP. However, If any participant is not having life membership he/she may take the membership of ISTE before the commencement of the programme via web portal https://membership.isteonline.in

4 The final report as mentioned in these guidelines is to be submitted to ISTE within 15 days after completion of the Programme.

5 The institute should ensure that the Resource Persons should be well known personalities having thorough knowledge and he/she should be from an Institute or Industry.

-2/-

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ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Date: 9th Dec to 14th Dec 2024

Organised by: Department of Master of Computer Applications, Department of Computer Engineering, Department of Computer Science and Engineering (AI & ML)

List of Participants

Sr. No.	Name of the Participant	ISTE Membership number
1	Karishma Raut	LM76834
2	Minakshi Gaonkar	LM138801
3	Vrunal Gharat	LM141462
4	Nivedha Raut	LM141433
5	Dr. Ashwini Save	LM76828
6	Sunita Naik	LM76825
7	Reshma Chaudhari	LM91569
8	Saniket Kudoo	LM107081
9	Bhavika Thakur	LM123741
10	Kirtida Naik	LM135215
11	Chandani Patel	LM107082
12	Pradnya Mhatre	LM107084
13	Nitesh Kumar	LM107086
14	Sonia Dubey	LM107088
15	Brijesh Joshi	LM140243
16	Kshiteeja Churi	LM141519
17	Poonam Jadhav	LM141526
18	Akshata Suraj Raut	LM138802
19	Prof. Krutika Vartak	LM107090

Sign of STTP Co-ordinators:
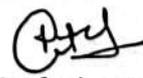
Prof. Karishma Raut   Dr. Ashwini Save   Prof. Chandani Patel

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Shri. Hitendra V. Thakur	Ms. Aparna P. Thakur	Dr. Arun Kumar
President	Secretary	Principal

Ref. No. : VIVA / VIT / 1421A / 2024-25

Date : 02.12.2024

CIRCULAR

All the faculty members are hereby informed that the ISTE approved one week STTP is organized by Department of Master of Computer Applications, Department of Computer Engineering, Department of Computer Science and Engineering (AI & ML) on the topic **"Microsoft Azure AI Engineer Associate"** from 9th Dec to 14th Dec 2024. All the faculties are requested to attend the same.

Detailed Schedule:

Date	Topic	Timing
9/12/2024	Get Started with Azure AI Services	9am to 11am
	Analyze Images with Azure AI Vision	11:15 am to 1pm
	Read Text in Images	1:30pm to 4pm
10/12/2024	Classify images with a Azure AI Vision custom model	9am to 11am
	Analyze Text	11:15 am to 1pm
	Create a Question Answering Solution	1:30pm to 4pm
11/12/2024	Create a language understanding model with the Language service	9am to 11am
	Recognize and synthesize speech	11:15 am to 1pm
	Integrate Azure OpenAI into your app	1:30pm to 4pm
12/12/2024	Utilize prompt engineering in your app	9am to 1pm
	Use your own data with Azure OpenAI	1:30pm to 4pm
13/12/2024	Create a Custom Skill for Azure AI Search	9am to 1pm
	Extract Data from Forms	1:30pm to 3:30pm
	Feedback 1	3:30pm to 4pm
14/12/2024	Real Time Applications of AI services	9am to 2:30pm
	Feedback 2 and Quiz	2:30pm to 4pm
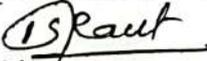
Prof. Karishma Raut	Dr. Ashwini Save	Prof. Chandani Patel
HOD of CSE(AI&ML)	HOD of Computer Engg.	HOD of MCA
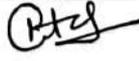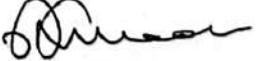
Principal

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VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Date: 9th Dec to 14th Dec 2024

Organized by: Department of Master of Computer Applications, Department of Computer Engineering, Department of Computer Science and Engineering (AI & ML)

List of Participants

Sr. No.	Name of the Participant	ISTE Membership number	Quiz Score Out of (10)
1	Karishma Raut	LM76834	09
2	Minakshi Gaonkar	LM138801	09
3	Vrunal Gharat	LM141462	08
4	Nivedha Raut	LM141433	10
5	Dr. Ashwini Save	LM76828	07
6	Sunita Naik	LM76825	10
7	Reshma Chaudhari	LM91569	08
8	Saniket Kudoo	LM107081	08
9	Bhavika Thakur	LM123741	10
10	Kirtida Naik	LM135215	08
11	Chandani Patel	LM107082	09
12	Pradnya Mhatre	LM107084	09
13	Nitesh Kumar	LM107086	10
14	Sonia Dubey	LM107088	10
15	Brijesh Joshi	LM140243	09
16	Kshiteeja Churi	LM141519	08
17	Poonam Jadhav	LM141526	08
18	Akshata Suraj Raut	LM138802	08
19	Prof. Krutika Vartak	LM107090	07

Sign of STTP Co-ordinators:

Prof. Karishma Raut

VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Attendance Record

DAY 1: 9th Dec 2024

Topic: Azure AI services

Sr. No.	Name of the Participant	Morning Session	Afternoon Session
1	Karishma Raut	*signature*	*signature*
2	Minakshi Gaonkar	*signature*	*signature*
3	Vrunal Gharat	*signature*	*signature*
4	Nivedha Raut	*signature*	*signature*
5	Dr. Ashwini Save	*signature*	*signature*
6	Sunita Naik	*signature*	*signature*
7	Reshma Chaudhari	*signature*	*signature*
8	Saniket Kudoo	*signature*	*signature*
9	Bhavika Thakur	*signature*	*signature*
10	Kirtida Naik	*signature*	*signature*
11	Chandani Patel	*signature*	*signature*
12	Pradnya Mhatre	*signature*	*signature*
13	Nitesh Kumar	*signature*	*signature*
14	Sonia Dubey	*signature*	*signature*
15	Brijesh Joshi	*signature*	*signature*
16	Kshiteeja Churi	*signature*	*signature*
17	Poonam Jadhav	*signature*	*signature*
18	Akshata Suraj Raut	*signature*	*signature*
19	Shaad Ajij Shaikh	*signature*	*signature*
20	Kranti Narayan Gule		
21	Prof. Krutika Vartak	*signature*	*signature*
22	Chinmay Patre		

Name & Sign of Guest: Mr. Abhay Shashikant Dhanmeher *signature*

Sign of STTP Co-ordinators:

signature
Prof. Karishma Raut

signature
Dr. Ashwini Save

signature
Prof. Chandani Patel

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ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Attendance Record

DAY 2: 10th Dec 2024

Topic: Azure AI Vision

Sr. No.	Name of the Participant	Morning Session	Afternoon Session
1	Karishma Raut	(15 Raut)	(15 Raut)
2	Minakshi Gaonkar		
3	Vrunal Gharat	Vpharat	Vpharat
4	Nivedha Raut		
5	Dr. Ashwini Save		
6	Sunita Naik		
7	Reshma Chaudhari		
8	Saniket Kudoo		
9	Bhavika Thakur		
10	Kirtida Naik		
11	Chandani Patel		
12	Pradnya Mhatre	PAMhatre	PAMhatre
13	Nitesh Kumar		
14	Sonia Dubey		
15	Brijesh Joshi		
16	Kshiteeja Churi		
17	Poonam Jadhav	Jadhav	Jadhav
18	Akshata Suraj Raut	Raut	Raut
19	Shaad Ajij Shaikh		
20	Kranti Narayan Gule		
21	Prof. Krutika Vartak	Kvartak	Kvartak
22	Chinmay Patre		

Name & Sign of Guest: Mr. Abhay Shashikant Dhanmeher

Sign of STTP Co-ordinators:

Prof. Karishma Raut   Dr. Ashwini Save   Prof. Chandani Patel

ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Attendance Record

DAY 3: 11th Dec 2024

Topic: Azure AI - Language service

Sr. No.	Name of the Participant	Morning Session	Afternoon Session
1	Karishma Raut	*(signed)*	*(signed)*
2	Minakshi Gaonkar	*(signed)*	*(signed)*
3	Vrunal Gharat	*(signed)*	*(signed)*
4	Nivedha Raut	*(signed)*	*(signed)*
5	Dr. Ashwini Save	*(signed)*	*(signed)*
6	Sunita Naik	*(signed)*	*(signed)*
7	Reshma Chaudhari	*(signed)*	*(signed)*
8	Saniket Kudoo		*(signed)*
9	Bhavika Thakur	*(signed)*	*(signed)*
10	Kirtida Naik	*(signed)*	*(signed)*
11	Chandani Patel	*(signed)*	*(signed)*
12	Pradnya Mhatre	*(signed)*	*(signed)*
13	Nitesh Kumar	*(signed)*	*(signed)*
14	Sonia Dubey	*(signed)*	*(signed)*
15	Brijesh Joshi	*(signed)*	*(signed)*
16	Kshiteeja Churi	*(signed)*	*(signed)*
17	Poonam Jadhav	*(signed)*	*(signed)*
18	Akshata Suraj Raut	*(signed)*	*(signed)*
19	Shaad Ajij Shaikh	*(signed)*	*(signed)*
20	Kranti Narayan Gule		
21	Prof. Krutika Vartak	*(signed)*	*(signed)*
22	Chinmay Patre		

Name & Sign of Guest: Mr. Abhay Shashikant Dhanmeher *(signed)*

Sign of STTP Co-ordinators:

(signed)
Prof. Karishma Raut

(signed)
Dr. Ashwini Save

(signed)
Prof. Chandani Patel

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ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Attendance Record

DAY 4: 12th Dec 2024

Topic: Prompt Engineering

Sr. No.	Name of the Participant	Morning Session	Afternoon Session
1	Karishma Raut	(sign)	(sign)
2	Minakshi Gaonkar	(sign)	(sign)
3	Vrunal Gharat	(sign)	(sign)
4	Nivedha Raut	(sign)	(sign)
5	Dr. Ashwini Save	(sign)	(sign)
6	Sunita Naik	(sign)	(sign)
7	Reshma Chaudhari	(sign)	(sign)
8	Saniket Kudoo	(sign)	(sign)
9	Bhavika Thakur	(sign)	(sign)
10	Kirtida Naik	(sign)	(sign)
11	Chandani Patel	(sign)	(sign)
12	Pradnya Mhatre	(sign)	(sign)
13	Nitesh Kumar	(sign)	(sign)
14	Sonia Dubey		
15	Brijesh Joshi	(sign)	(sign)
16	Kshiteeja Churi	(sign)	(sign)
17	Poonam Jadhav	(sign)	(sign)
18	Akshata Suraj Raut	(sign)	(sign)
19	Shaad Ajij Shaikh	(sign)	(sign)
20	Kranti Narayan Gule		
21	Prof. Krutika Vartak	(sign)	(sign)
22	Chinmay Patre		

Name & Sign of Guest: Mr. Abhay Shashikant Dhanmeher (sign)

Sign of STTP Co-ordinators:

(sign)
Prof. Karishma Raut

(sign)
Dr. Ashwini Save

(sign)
Prof. Chandani Patel

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ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Attendance Record

DAY 5: 13th Dec 2024

Topic: _Azure AI Search_

Sr. No.	Name of the Participant	Morning Session	Afternoon Session
1	Karishma Raut	(signature)	(signature)
2	Minakshi Gaonkar	(signature)	(signature)
3	Vrunal Gharat	(signature)	(signature)
4	Nivedha Raut	(signature)	(signature)
5	Dr. Ashwini Save	(signature)	(signature)
6	Sunita Naik	(signature)	(signature)
7	Reshma Chaudhari	(signature)	(signature)
8	Saniket Kudoo	(signature)	(signature)
9	Bhavika Thakur	(signature)	(signature)
10	Kirtida Naik	(signature)	(signature)
11	Chandani Patel	(signature)	(signature)
12	Pradnya Mhatre	PAMhatre	PAMhatre
13	Nitesh Kumar	(signature)	(signature)
14	Sonia Dubey	(signature)	(signature)
15	Brijesh Joshi	(signature)	(signature)
16	Kshiteeja Churi	(signature)	(signature)
17	Poonam Jadhav	Jadhav	Jadhav
18	Akshata Suraj Raut	Raut	Raut
19	Shaad Ajij Shaikh	(signature)	(signature)
20	Kranti Narayan Gule		
21	Prof. Krutika Vartak		
22	Chinmay Patre		

Name & Sign of Guest: _Mr. Abbay Shashikant Dhanmeher_ (signature)

Sign of STTP Co-ordinators:

(signature)   (signature)   (signature)

Prof. Karishma Raut   Dr. Ashwini Save   Prof. Chandani Patel

9

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ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Attendance Record

DAY 6: 14th Dec 2024

Topic: Real time Applications of AI services

Sr. No.	Name of the Participant	Morning Session	Afternoon Session
1	Karishma Raut	*(signed)*	*(signed)*
2	Minakshi Gaonkar	*(signed)*	*(signed)*
3	Vrunal Gharat	*(signed)*	*(signed)*
4	Nivedha Raut	*(signed)*	*(signed)*
5	Dr. Ashwini Save	*(signed)*	*(signed)*
6	Sunita Naik	*(signed)*	*(signed)*
7	Reshma Chaudhari	*(signed)*	*(signed)*
8	Saniket Kudoo	*(signed)*	*(signed)*
9	Bhavika Thakur	*(signed)*	*(signed)*
10	Kirtida Naik	*(signed)*	*(signed)*
11	Chandani Patel	*(signed)*	*(signed)*
12	Pradnya Mhatre	*(signed)*	*(signed)*
13	Nitesh Kumar	*(signed)*	*(signed)*
14	Sonia Dubey	*(signed)*	*(signed)*
15	Brijesh Joshi	*(signed)*	*(signed)*
16	Kshiteeja Churi	*(signed)*	*(signed)*
17	Poonam Jadhav	*(signed)*	*(signed)*
18	Akshata Suraj Raut	*(signed)*	*(signed)*
19	Shaad Ajij Shaikh	*(signed)*	*(signed)*
20	Kranti Narayan Gule		
21	Prof. Krutika Vartak		
22	Chinmay Patre		

Name & Sign of Guest: Navneet C. Maurya *(signed)*

Sign of STTP Co-ordinators:

(signed)
Prof. Karishma Raut

(signed)
Dr. Ashwini Save

(signed)
Prof. Chandani Patel

Quiz on ISTE Approved One week STTP on "Microsoft Azur AI Engineer Associate"

Organized by: Department of Master of Computer Applications, Department of Computer Engineering, Department of Computer Science and Engineering (AI & ML)

Scheduled on: 9th Dec to 14th Dec 2024

* Indicates required question

1. Email *

   _____

2. Name of the Faculty

   _____

3. Name of the Department *

   _____

Answer the Questions given below:

4. 1) Which of the cognitive Service API would help in: * 1 point
   - Scanning text to identify personal data
   - Using a Custom list in-line with content policies to block or allow content.

   Mark only one oval.

   ⬭ Computer Vision

   ⬭ Text Analytics

   ⬭ Text Protector

   ⬭ Content Moderator

5. **2) In order to configure a bot to connect to a specific channel, you execute**
the following steps in Azure:
Step 1: Log in to Azure Portal.
Step 2: Choose the bot for configuration.
Step 3: In Bot Management, select Channels.
Step 4: Select the required channel to integrate Bot into Mobile or Web Application.

Which channel would you use to meet the requirements as given in Step 4 above? [choose one option]

Mark only one oval.

◯ Slack

◯ Microsoft Teams

◯ Direct Line

◯ Office 365 email

6. **3) A company using traditional online analytical systems is performing**
analytics to identify fraudulent mobile calls. However, the traditional analytical system is taking long hours to perform the data transformation and data analysis. Eventually, the identification of fraud calls is cost-inefficient and is taking much more time.

Which of the below 2 fully managed Azure services can help the company reduce the cost for data ingestion and eventually perform real-time analytics?

Check all that apply.

☐ Event Hub
☐ Azure Machine Learning
☐ Azure Functions
☐ Stream Analytics

7. **4) In Azure cognitive search, an indexer for text content simplifies the complex process of loading an index by providing a mechanism for connecting to and reading text from fields in a data source. It serializes that content as JSON documents and hands-off those documents to the search engine for indexing.**

To create an indexer for text content, what are the required properties that you need? (select any 2 answer choices)

Check all that apply.

☐ dataSourceName

☐ searchIndexerClient

☐ name

☐ fieldMappings

8. **5) Which of the below cognitive service is NOT a Language Cognitive Service offering from Azure?**

Mark only one oval.

⬭ Language Understanding

⬭ Text Analytics

⬭ Speech Service

⬭ Translator

9. 6) A retail pharmacy giant operating for the last 80 years and having 2000+ retail stores plans to modernize its business to Lower TCO by moving its on-premises data warehouse for inventory management to the cloud.Ensure that analytics are generated efficiently and decision-making is improved.The solution can scale on-demand.

Which Azure offering can help you in setting up a private connection from on-prem to Azure?

Mark only one oval.

- ◯ Azure Databricks
- ◯ Azure Express route
- ◯ Azure ConnectDirect
- ◯ Container Instances

10. 7) You have a requirement to identify and block Video Content that is found to have adult content. You use Video Indexer or Video analyzer for Media in Azure for this purpose. Which element would you choose to get the required insights in the video and time ranges that show the appearance of these insights?

Mark only one oval.

- ◯ sentiments
- ◯ visualContentModeration
- ◯ emotions
- ◯ shots

11. 8) Which of the below cognitive service is NOT a Language Cognitive Service offering from Azure?

Mark only one oval.

◯ Language Understanding

◯ Text Analytics

◯ Speech Service

◯ Translator

12. 9) You have a requirement to identify and block Video Content that is found to have adult content. You use Video Indexer or Video analyzer for Media in Azure for this purpose. Which element would you choose to get the required insights in the video and time ranges that show the appearance of these insights?

Mark only one oval.

◯ sentiments

◯ visualContentModeration

◯ emotions

◯ shots

13. 10) A developer is working on building a "Deep Search AI solution" for a video library company. The solution requires insights extraction from video to improve the user video searching experience. The solution also requires enabling users to "create content for social media" based on the insights from their videos.

Which Azure cognitive service should the developer use?

Mark only one oval.

◯ Face API

◯ Computer vision

◯ Video Indexer

◯ Bing Video Search

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Name of the Participant (As required on certificate)	Name of College/Institute/ Organization	How would you rate the sessions?	How relevant and helpful the sessions were?	Have these sessions fulfilled your expectations?	How likely are you to apply the skills/knowledge gained in your teaching?	How effective were the lab facilities/ ICT tools in enhancing your learning experience?	Any Queries or Suggestions?
Reshma Ravindra Chaudhari	VIVA institute of technology	5	5	5	5	5	NULL
Karishma Sachin Raut	VIVA Institute of Technology	5	5	4	5	5	-
Shaad Aji Shaikh	Viva Institute of Technology	5	5	5	5	5	-
Bhavika P. Thakur	VIVA Institute of Technology	4	5	4	5	5	-
Dr. Ashwini Save	VIVA Institute of Technology	5	5	5	5	5	No
Prof. Pradnya A. Mhatre	VIVA Institute of Technology	5	5	5	5	5	-
Sonia Dubey	VIVA institute of technology	4	4	4	4	4	NA
SANIKET M KUDOO	Viva Institute of technology	5	5	5	5	5	-
Nivedha Kailas Raut	VIVA Institute of Technology	5	5	5	5	5	None
Vrunal Sandesh Gharat	Viva institute of technology	5	5	5	5	5	-
AKSHATA SURAJ RAUT	Viva Institute of Technology	4	5	5	5	5	NA
Nitesh Kumar	VIVA Institute of Technology	5	5	5	5	5	NA
Poonam Swapnil Jadhav	Viva institute of technology	4	4	4	4	5	Good session
Minakshi Vikas Gaonkar	VIVA Institute of Technology	4	4	4	4	4	NA
Chandani Patel	VIVA INSTITUTE OF TECHNOLOGY	4	5	4	5	5	-
Dr Brijesh Yatindra Joshi	VIVA Institute of Technology	5	5	5	5	5	Arrange such sessions on regular basis
Sunita Vinay Naik	VIVA INSTITUTE OF TECHNOLOGY	5	5	5	5	5	Well organised
Minakshi Vikas Gaonkar	VIVA Institute of Technology	4	4	4	4	4	NA

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Feedback Form for ISTE Approved One Week STTP on " Microsoft Azure AI Engineer Associate " on 14/12/2024

Name of the Participant (As required on certificate)	Name of College/Institute/ Organization	How would you rate the sessions?	How relevant and helpful the sessions were?	Have these sessions fulfilled your expectations?	How likely are you to apply the skills/knowledge gained in your teaching?	How effective were the lab facilities/ ICT tools in enhancing your learning experience?	Any Queries or Suggestions?
Reshma Ravindra Chaudhari	VIVA institute of technology	5	5	5	5	5	NA
Karishma Sachin Raut	VIVA Institute of Technology	5	5	5	5	5	None
Shaad Ajij Shaikh	Viva Institute of Technology	5	5	5	5	5	NA
Bhavika P. Thakur	VIVA Institute of Technology	5	5	5	5	4	knowledgeable
Dr. Ashwini Save	VIVA Institute of Technology	5	5	5	5	5	No
Prof. Pradnya A. Mhatre	VIVA Institute of Technology	5	5	5	5	5	Informative
Sonia Dubey	VIVA institute of technology	4	4	4	4	4	NA
SANIKET M KUDOO	Viva Institute of technology	5	5	5	5	5	No
Nivedha Kailas Raut	VIVA Institute of Technology	5	5	5	5	5	None
Vrunal Sandesh Gharat	Viva institute of technology	5	5	5	5	5	-
AKSHATA SURAJ RAUT	Viva Institute of Technology	5	5	5	5	4	NA
Nitesh Kumar	VIVA Institute of Technology	5	5	5	5	5	NA
Poonam Swapnil Jadhav	Viva institute of technology	4	4	5	4	4	Good session
Minakshi Vikas Gaonkar	VIVA Institute of Technology	4	4	4	4	4	NA
Chandani Patel	VIVA INSTITUTE OF TECHNOLOGY	5	5	5	5	4	Arrange such sessions on regular basis
Dr Brijesh Yatindra Joshi	VIVA Institute of Technology	5	5	5	5	5	Need more such sessions
Sunita Vinay Naik	VIVA INSTITUTE OF TECHNOLOGY	5	5	5	5	5	informative
Minakshi Vikas Gaonkar	VIVA Institute of Technology	4	4	4	4	4	Nice information

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Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

Report on STTP

Topic Name: Mumbai University & ISTE approved one week STTP on "Microsoft Azur AI Engineer Associate"

Organizing Departments: Department of Master of Computer Applications(MCA), Department of Computer Engineering, Department of Computer Science and Engineering (AI & ML)

Name of the Guest Speaker: Mr. Abhay Dhanmeher (Trainer in ICT Academy)

Mr. Navneet Maurya (Senior developer at Parle Agro)

Date: 9th Dec to 14th Dec 2024

Time: 9am to 4pm

No. of Participants: 21

Program Summary/Details:

The Mumbai university and ISTE-approved offline One Week Short Term Training Program (STTP) on "Microsoft Azur AI Engineer Associate," organized by Department of Master of Computer Applications(MCA), Department of Computer Engineering, Department of Computer Science and Engineering (AI & ML) of VIVA Institute of Technology, Virar (W) in association with ICT academy.

This program is designed to empower educators with the skills to design, develop, and deploy AI solutions using Microsoft Azure. Participants will gain hands-on experience with Azure AI services, including natural language processing, computer vision, and responsible AI principles, enabling them to prepare students for industry-ready AI certifications. The program emphasizes practical knowledge and application, ensuring faculty members can integrate Azure-based AI solutions into their teaching methodologies effectively.

Day 1: 9th Dec 2024

The first day of the training program commenced with an **Introduction to AI on Azure**, where participants were introduced to the capabilities and services offered by Microsoft Azure in the realm of Artificial Intelligence. The session covered key concepts and foundational knowledge, setting the stage for deeper exploration into AI technologies.

The second part of the day focused on **Analyzing Images with Azure AI Vision**. Participants were shown how to use Azure's Computer Vision API to analyze and extract meaningful information from images. This included recognizing objects, categorizing images, and understanding scene context, which are fundamental skills for working with visual data in AI applications.

The final topic of the day, **Reading Text in Images**, explored Azure's Optical Character Recognition (OCR) capabilities. This feature allows AI to detect and extract printed or handwritten text from images, which is especially useful in scenarios like document processing, signage interpretation, and digitizing physical data.

The overall goal of the session was to familiarize participants with practical applications of AI and machine learning tools on the Azure platform, especially in the domain of computer vision and image analysis, preparing them for more advanced topics and hands-on labs in the coming days.

Day 2: 10th Dec 2024

The second day of the training program began with a session on **Classifying Images with an Azure AI Vision Custom Model**. In this segment, participants learned how to create custom image classification models using Azure's Custom Vision service. The session covered the steps of training a model to classify images into specific categories based on user-defined tags. Participants gained hands-on experience in building, training, and evaluating these models, enabling them to customize AI solutions for specific image-related tasks.

Next, the focus shifted to **Analyzing Text**. In this section, participants explored Azure's Text Analytics service, learning how to extract valuable insights from textual data. They were introduced to key features such as sentiment analysis, key phrase extraction, entity recognition, and language detection. This part of the training emphasized how to leverage AI to process and analyze large volumes of text, making it easier to derive actionable insights for various applications like customer feedback analysis, content categorization, and more.

The final topic of the day was **Creating a Question Answering Solution**. In this session, participants learned how to build an intelligent question-answering system using Azure's Cognitive Services. They were shown how to use pre-built models to create solutions that can understand natural language questions and provide relevant answers from a knowledge base, documents, or web content. The session covered how to integrate this AI capability into chatbots, helpdesks, and other interactive systems to improve user experiences and streamline information retrieval.

By the end of the day, participants had a deeper understanding of Azure's AI capabilities in image classification, text analysis, and intelligent question answering, as well as practical experience in applying these tools to real-world scenarios.

Day 3: 11th Dec 2024

The third day of the training program began with a session on **Creating a Language Understanding Model with the Language Service**. In this segment, participants were introduced to Azure's **Language Understanding (LUIS)** service. They learned how to build and train custom language understanding models to interpret and process natural language inputs. The focus was on defining intents, entities, and utterances to create intelligent applications that can understand and respond to user queries in a more human-like manner. This session provided a hands-on experience in building language models that can be integrated into various apps, such as chatbots and virtual assistants.

Next, the training shifted to **Recognizing and Synthesizing Speech**. Participants explored Azure's **Speech Service**, which includes capabilities for speech-to-text (recognizing spoken words) and text-to-speech (synthesizing spoken output from text). The session covered key use cases, such as converting spoken language into written text for transcription, enabling voice commands for applications, and generating natural-sounding speech from written content. Participants also had the opportunity to experiment with customizing speech models to recognize specific accents, languages, and voices, as well as adding features like real-time speech translation.

The final topic of the day was **Integrating Azure OpenAI into Your App**. Here, participants learned how to integrate advanced AI models from **Azure OpenAI** into their applications. The session focused on using models like GPT for natural language processing tasks such as text generation, conversation, summarization, and sentiment analysis. Participants were shown how to set up and interact with the OpenAI API, enabling them to add cutting-edge AI capabilities to their own projects. Real-world use cases included building intelligent chatbots, content generation tools, and applications for customer support or data analysis.

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By the end of the day, participants had gained valuable hands-on experience with Azure's language and speech services, as well as practical knowledge on how to integrate Azure OpenAI's powerful capabilities into their apps to create intelligent, conversational user experiences.

Day 4: 12th Dec 2024

The fourth day of the training program began with a session on **Utilizing Prompt Engineering in Your App**. In this segment, participants learned about the concept of **prompt engineering**, which is the art and science of crafting effective prompts to get the desired responses from AI models, particularly those from **Azure OpenAI**. The focus was on designing prompts that can help guide the AI to provide accurate, contextually relevant, and useful outputs. Participants explored how to fine-tune their prompts for various tasks, such as question-answering, content generation, summarization, and more. They also experimented with using different prompt structures and techniques to improve the AI's performance in specific scenarios, learning how small adjustments in wording can lead to significantly better results.

Following that, the training covered **Using Your Own Data with Azure OpenAI**. This session emphasized how to leverage custom datasets to enhance the capabilities of the **Azure OpenAI models**. Participants learned how to fine-tune pre-trained models with their own data, allowing them to tailor the AI to their specific use cases and business requirements. The session covered best practices for data preparation, training, and integration, enabling participants to create more personalized and relevant AI-powered applications. They were shown how to upload and manage data in the Azure environment, and how to use that data to further improve model accuracy and performance for tasks like classification, generation, and summarization.

By the end of the day, participants had a solid understanding of how to work with **Azure OpenAI's advanced features**. They gained the skills to effectively craft prompts for their applications, as well as how to integrate their own data to fine-tune the models and make them more customized to their specific needs. This hands-on experience set them up for building more intelligent, data-driven applications in the real world.

Day 5: 13th Dec 2024

The fifth day of the training program commenced with a session on **Creating a Custom Skill for Azure AI Search**. In this segment, participants learned how to extend the capabilities of **Azure Cognitive Search** by developing and integrating custom skills. Azure AI Search allows users to enrich their search experiences with AI-powered content understanding, and custom skills let them tailor the search process to specific business needs. Participants were introduced to the concept of AI enrichment pipelines, where they could create custom processing steps to extract valuable information from unstructured data, such as documents or images. They gained hands-on experience in building and integrating these custom skills to enhance search relevance, improve result ranking, and automate complex data extraction workflows.

The next topic of the day was **Extracting Data from Forms** using Azure's **Form Recognizer** service. This session focused on how to automate data extraction from structured and semi-structured forms, such as invoices, receipts, surveys, and contracts. Participants learned how to use the pre-built models in **Form Recognizer** to quickly extract key fields like dates, amounts, and names from documents. They also explored how to train custom models to handle more specialized or complex form layouts. The session covered the process of scanning, analyzing, and structuring the data to be used for further processing, reducing the manual effort of data entry and improving efficiency in document-based workflows.

By the end of the day, participants had practical experience in **creating custom skills** for AI-powered search applications and **extracting structured data** from various types of forms. These skills are crucial for automating document management tasks, improving search functionalities, and integrating AI-

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driven insights into business workflows. Participants were now equipped with the knowledge to build advanced search solutions and automate document processing in their own applications.

Day 6: 14ᵗʰ Dec 2024

The sixth day of the training program commenced with a session on **Real-Time Applications of AI Services**. This session aimed to demonstrate how the various AI services covered in the previous days could be applied to real-world scenarios, emphasizing their practical utility and impact across industries.

Throughout the day, participants engaged in hands-on labs where they got to implement real-time AI models and integrate them into applications. They experimented with using Azure's AI tools to build a simple real-time video analysis app, integrate speech-to-text for live transcription, and implement a personalized recommendation engine for e-commerce scenarios.

By the end of the day, participants had a deeper understanding of how to leverage **Azure AI services** to create dynamic, real-time applications that can respond to user input, process data in real time, and provide instant, actionable insights across various business domains.

In conclusion, The **Short-Term Training Program (STTP)** on **Microsoft Azure AI Engineer Associate** has been a comprehensive, hands-on journey into the world of Artificial Intelligence, focusing on the practical applications and tools available on the **Azure platform**. Over the course of the training, participants gained in-depth knowledge and experience in various AI-related technologies, which are becoming increasingly vital in modern business and technological landscapes. The program also highlighted the growing importance of cloud-based AI platforms like **Azure**, enabling businesses to scale and adapt to the rapidly changing technological landscape. Whether it's **improving customer experiences, automating workflows,** or **enhancing decision-making processes,** the ability to effectively integrate AI into applications has become a valuable skill in today's digital economy.

We encourage all participants to continue building on the foundation laid during this program and explore further opportunities for learning and growth in the field of AI:

Photos:
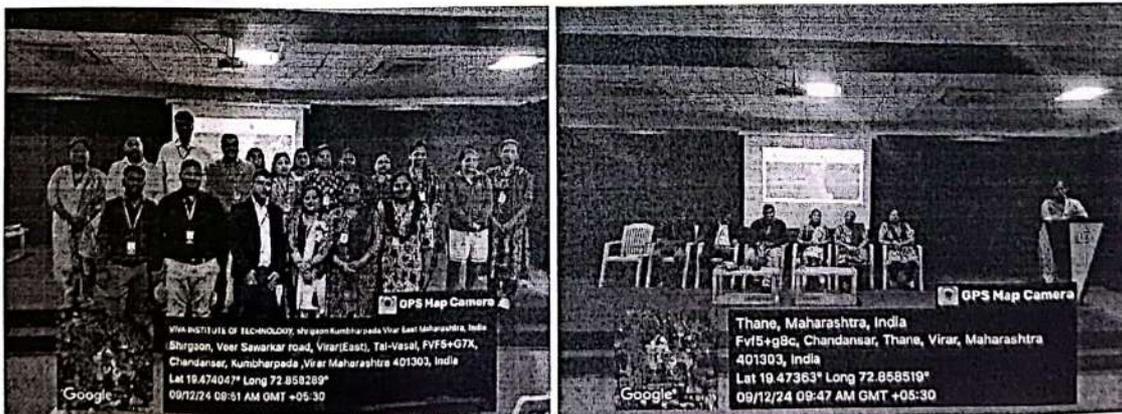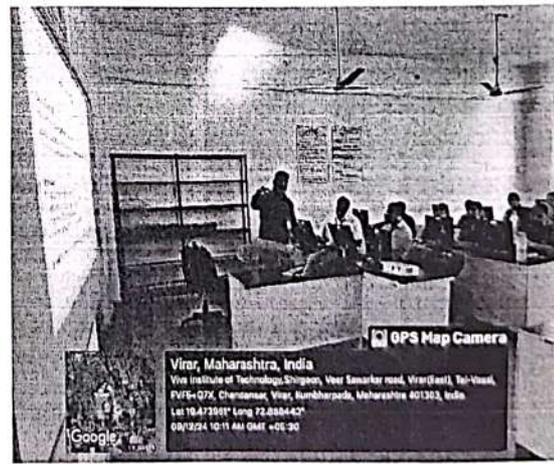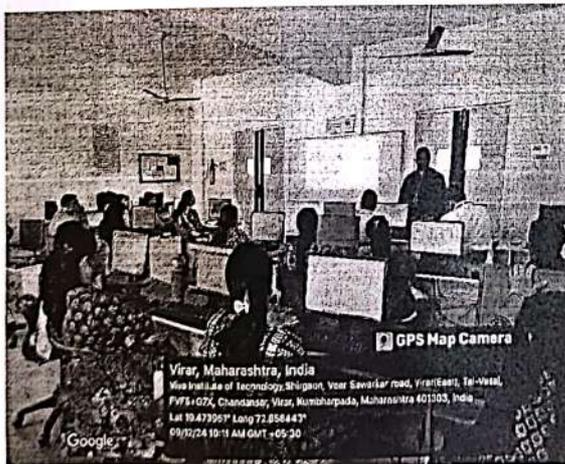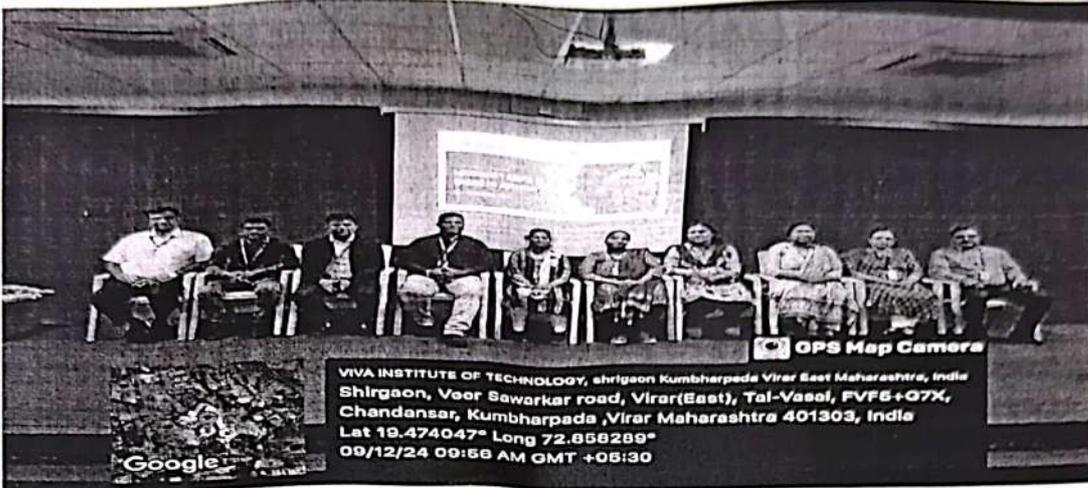
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MS. APARNA P. THAKUR
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CONVENOR

DR. ARUN KUMAR
PRINCIPAL

CO-ORDINATOR

Prof. Karishma Raut
HoD, CSE

Dr. Ashwini Save
HoD, CE

Prof. Chandani Patel
HoD, MCA

ORAGANIZING COMMITTEE

Prof. Minakshi Gaonkar   Prof. Reshma Chaudhari

Prof. Nitesh Kumar

REGISTRATION

- ISTE Members: No registration fee. However, online registration is mandatory.
- Non-ISTE Members: 300/- per participant
- Last date of online registration: 4th December 2024

REGISTRATION LINK

Click here:
https://tinyurl.com/l STE-ICT-FDP-2024-25

COURSE DESCRIPTION

This program is designed to empower educators with the skills to design, develop, and deploy AI solutions using Microsoft Azure. Participants will gain hands-on experience with Azure AI services, including natural language processing, computer vision, and responsible AI principles, enabling them to prepare students for industry-ready AI certifications. The program emphasizes practical knowledge and application, ensuring faculty members can integrate Azure-based AI solutions into their teaching methodologies effectively.

OBJECTIVE

1. Understand the fundamentals of Azure AI services and their application in building intelligent solutions.

2. Develop and manage AI solutions using computer vision, natural language processing, and knowledge mining.

3. Learn to implement responsible AI principles for ethical and compliant AI development.

4. Gain expertise in using Azure tools and services to create scalable, secure, and efficient AI applications.

5. Equip educators with the knowledge to guide students toward achieving the Microsoft Certified: Azure AI Engineer Associate certification.

RESOURCE PERSON

- **MR. ABHAY DHANMEHER,**
(TRAINER, ICT ACADEMY)

- **MR. NAVNEET MAURYA,**
(SR. SOFTWARE DEVELOPER, PARLE AGRO)

WE CULTIVATE GREATNESS BY CREATING THE BEST LEARNING ENVIRONMENT.

UNIVERSITY OF MUMBAI & ISTE APPROVED ONE WEEK SHORT TERM TRAINING PROGRAM

ON

Microsoft Azure AI Engineer Associate

9TH TO 14TH DECEMBER 2024

ICTACADEMY

ORGANIZED BY

Department of Master of Computer Applications
Department of Computer Engineering
Department of CSE (AI & ML)

VIVA INSTITUTE OF TECHNOLOGY

ABOUT THE INSTITUTE

VIVA INSTITUTE OF TECHNOLOGY is approved by AICTE, New Delhi, and DTE, Maharashtra State, and is affiliated with the University of Mumbai. The Institute is awarded a 'B++' grade by the National Assessment and Accreditation Council (NAAC). The institute nurtures a unique education system for creating dynamic leaders for the corporate sector, entrepreneurs, academicians, researchers, and professionals who contribute to the development of society and the nation. This institute believes in empowering young students through a rigorous curriculum, student participation in R & D, a mentor system, value-added programs, and a solid industrial interface.

VIVA INSTITUTE OF TECHNOLOGY

Organized by: Department of Mechanical Engineering

STTP Details

Academic Year 2024-25

Sr. No.	Name of the Resource Person	STTP Topic	Date
1.	**Dr. Vishvesh Badheka** Professor, Pandit Dindayal Petrolium University **Dr. Amit Kumar Singh** Post-Doctoral Research Associate, University of North Texas, USA **Mr. Vinay Chansikar** CEO Preciworld Mechanical **Mr. Shashikant Gupta** Proprietor, Radhika Enterprises	Fundamentals of Welding: Mastering the Basics	**Date: 25th to 30th November, 2024**

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VIVA INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI, DTE, GOVT. OF MAHARASHTRA AND AFFILIATED TO THE
UNIVERSITY OF MUMBAI

At. Shirgaon, Post Virar, Tal. Vasai, Dist. Palghar - 401305 Tel. 7770002544 Website: www.viva.technology.org

NAAC ACREDITATE WITH GRADE B—

Ref: VIVA/VIT/ MECH/STAFF/ /2024-25   Date: 21/11/2024

CIRCULAR

All the faculty members are hereby informed that the ISTE approved One week STTP is arranged on the topic **"Fundamentals of Welding: Mastering the Basics"** from 25-11-2024 to 30-06-2024. All the faculty members are requested to attend the same.

Detailed schedule:

Date	Course Details	Timings
25-11-2024	Inauguration Function	9.00 am-9.30 am
	Fundaments of the Joining Processes	9.30 am-12.30 pm
	Fundamentals of Welding Processes and their Applications in the Industry	1.00 pm-4.00 pm
26-11-2024 (Online)	Advanced Welding Processes in Additive Manufacturing	9.30 am-12.30 pm
27-11-2024 (Online)	Physical Processes in TIG Welding	9.30 am-12.30 pm
28-11-2024	Hands On Training on WARP IN TIG 4001 Machine (GTAW)	9.30 am-12.30 pm
	Hands On Training on WARP WS 200 Machine (GMAW)	1.00 pm-4.00 pm
29-11-2024	Hands On Training on Sigma Weld 170 TIG Machine	9.30 am-12.30 pm
	Hands On Training on Sigma Weld SW 400 mm Machine	1.00 pm-4.00 pm
30-11-2024	Industrial Visit	9.30 am-12.30 pm
	Industrial Visit	1.00 pm-4.00 pm
	Valedictory function and Vote of Thanks	4.00 pm-4.30 pm

Dr. Chinmay Pingulkar
STTP Coordinator

Dr. Niyati Raut
STTP Coordinator

भारतीय तकनीकी शिक्षा संस्था
INDIAN SOCIETY FOR TECHNICAL EDUCATION
(Under the Societies' Registration Act XXI of 1860)

Dr. S.M. Ali
Executive Secretary

ISTE/Proceedings/STTP/FDP-SF-MAH-133/2024-25   November 18, 2024

Proceedings of Executive Secretary, ISTE

Sub. : Sanction to conduct full time Faculty Development Programme on Self-financing basis for the financial year 2024-2025.

Sanction is hereby accorded to the following institution for the conduct of the Online/SF-STTP/FDP programme indicated below:

Name of Institution	:	Viva Institute of Technology Vasai, Dist. Palghar - 401305
Topic	:	**Fundamentals of Welding : Mastering The Basics**
Name & Address of Coordinators	:	Dr. Niyati Raut Dr. Chinmay Pingulkar Assoc. Professor Assoc. Professor
Duration	:	One Week
Proposed dates	:	**25.11.2024 to 30-11-2024**

Terms and Conditions

The institution offering the Programmes should be approved by AICTE and must be Institutional Member of ISTE. Institutions having ISTE Faculty Chapter and Students Chapter shall be preferred. There will be no financial commitment on the part of ISTE on account of this programme. The fee of one **proposal is Rs. 1180/- (Incl. 18% GST)** paid by NEFT/RTGS along with proposal in the following ISTE Account (**Name of Account: ISTE Membership Fee, Account No: 6707247614 Bank: Indian Bank IFSC Code: IDIB000M089 Branch: Mehrauli Road New Delhi**).

1. This will be a Self Financing program of the duration of 1 week/2 weeks/4 weeks.

2. The registration fee of the participants may be fixed by the host institution.

3. ISTE Life membership is necessary for participants to attend SF programmes. Minimum 25 Participants are must for conducting the FDP/STTP. However, If any participant is not having life membership he/she may take the membership of ISTE before the commencement of the programme via web portal https://membership.isteonline.in

4. The final report as mentioned in these guidelines is to be submitted to ISTE within 15 days after completion of the Programme.

5. The institute should ensure that the Resource Persons should be well known personalities having thorough knowledge and he/she should be from an Institute or Industry.

-2/-

6. e-Certificate to ISTE Life Members will be issued by ISTE from this office. Operational and processing fee of Rs. 100 +18% GST (Total Rs. 118/-) will be charged per participant. Institute conducting the program will collect the fee from participants and will send it to ISTE by NEFT/RTGS with list of participants with their ISTE Life Membership Number. Institute conducting program will not issue Certificates with ISTE logo to Participants. Course coordinator is requested to ensure the same and attach payment proof or UTR number.

7. At least one test at the end is to be conducted to judge the performance of participants. Institute can conduct more test, if they desire. Attendance and successful completion of Test conducted is mandatory to receive certification by ISTE. Co Ordinator should ensure this while submitting list of participants to ISTE.

8. The Digital e-certificates to eligible participants will be sent by ISTE Delhi through organizing Institute. The certificate contains the ISTE logo at the top. The digitally signed e-certificates will bear the Signatures of Executive Secretary, ISTE.

9. Covid Guidelines issued from time to time are to be followed strictly as notified by the Govt. during the Programme.
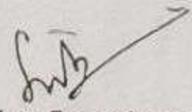
Executive Secretary

To,

The Principal
Viva Institute of Technology
At Shirgoan, Post. Virar (East)
Tal. Vashi, Dist. Palghar - 401305
Maharashtra

Copy to:

Dr. Niyati Raout
Assoc. Professor, Dept. of Mechanical Engg.
Viva Institute of Technology
At Shirgoan, Post. Virar (East)
Tal. Vashi, Dist. Palghar - 401305
Maharashtra

ISTE APPROVED

ONE WEEK ONLINE SHORT TERM TRAINING PROGRAM

ON

FUNDAMENTALS OF WELDING: MASTERING THE BASICS

25 TH – 30 TH NOVEMBER, 2024

Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

Shirgaon, Virar (E)

Approved by AICTE, New Delhi, DTE, Government of Maharashtra.
Affiliated to University of Mumbai

Announces

ISTE APPROVED
ONE WEEK SHORT TERM TRAINING PROGRAM

ON

FUNDAMENTALS OF WELDING: MASTERING THE BASICS

25 TH – 30 TH NOVEMBER, 2024

ORGANIZED BY

DEPARTMENT OF MECHANICAL ENGINEERING

Registration No:

Name: _____

Designation: _____

Qualification: _____

Organization: _____

Address: _____

Mobile No.: _____

Email: _____

ISTE Membership No: _____

Demand Draft No.: _____

Dated: _____

Bank & Branch: _____

Amount in Rs.: _____

Demand Draft should be drawn in favor of "VIVA institute of Technology" payable at **Mumbai.**

Signature of the Applicant   Institute Seal

Scanned copy of Registration form and DD to be sent at
sttp.mech@viva-technology.org

The DD and the registration form should reach on or before
20 November, 2024.

PARTONS

Hon. Shri. Hitendra Vishnu Thakur
President, VIVA Trust

Hon. Ms. Aparna Thakur
Secretary, Managing Committee, VIVA Trust

Hon. Shri. Mukund Raghunath Padhye
Member, VIVA Trust

Hon. Shri. Sanjeev Patil
Member, VIVA Trust

ADVISOR

Dr. Arun Kumar
Principal, VIVA Institute of Technology

CONVENER

Dr. Niyati Raut, HOD, Mechanical Engg. Dept.

CO-ORDINATORS

Dr. Chinmay Pingulkar, Mechanical Engg. Dept.

ORGANIZING COMMITTEE

Prof. Omkar Joshi

Prof. Pratik Raut

Prof. Tejas Chaudhari

Prof. Priyank Vartak

Prof. Swapnil Raut

Prof. Suneet Mehta

CONTACT PERSON

Dr. Chinmay Pingulkar - (+918087777588)
Contact No. 0250-6990999 (Ext-135/136)
Email: sttp.mech@viva-technology.org

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About the Institution

VIVA institute of technology was established in the year 2009 with a definite mission to develop the standard of the institute above benchmark level, latest technology in the chosen discipline by tapping their hidden and obvious potential, molding them into good and responsible citizens by playing a meaningful role in industry and society. The institute is approved by AICTE, New Delhi and DTE, Maharashtra State and affiliated to Mumbai University. The main objective of the institute has always been promoting education at all levels. The institute offers the following courses/programs: Mechanical Engineering, Civil Engineering, Electronics & Telecommunication Engineering and Electrical Engineering, Computer Engineering, Computer Science Engineering (AI & ML) & Department of MCA.

VIVA institute is well equipped with workshop, laboratories, computer center with latest machineries, tools, instruments etc.

About the Program:

The "Fundamentals of Welding: Mastering the Basics" program is designed to provide Participants with a comprehensive understanding of the essential principles, techniques, and safety measures associated with welding. This program integrates theoretical learning with extensive practical sessions, allowing students to develop the skills needed to perform various types of welding with precision and safety. Throughout the course, Participants students will engage in hands-on exercises using industry-standard equipment, while also learning about welding techniques, metallurgy, and welding safety.

In addition to classroom and lab-based learning, the program includes industrial visits, where Participants will have the opportunity to observe welding practices in real-world manufacturing and construction settings. These visits provide valuable insights into how welding is applied in the industry, the challenges faced by professionals, and the importance of quality control in the welding process.

Course objective:

- Understand the principles and concepts of welding processes.
- Develop hands-on skills in welding techniques, safety procedures, and equipment operation.
- Learn to identify and correct common welding defects and errors.
- Understand welding safety protocols and personal protective equipment (PPE) usage.

Course Contents:

- Day 1:
  Fundaments of the Joining Processes, Fundamentals of Welding Processes and their Applications in the Industry.
- Day 2:
  Advanced Welding Processes in Additive Manufacturing
- Day 3:
  Physical Processes in TIG Welding
- Day 4:
  Hands on Training on WARP IN TIG 4001 Machine (GTAW) & WARP WS 200 Machine (GMAW)
- Day 5:
  Hands on Training on Sigma Weld 170 TIG Machine & Sigma Weld SW 400 mm Machine
- Day 6:
  Industrial Visits

Resource Persons:

- Dr. Vishvesh Badheka,
  Professor, Pandit Dindayal Petroleum University
- Dr. Amit Kumar Singh,
  Post-Doctoral Research Associate, University of North Texas, USA
- Mr. Vinay Chansikar,
  CEO, Preciworld Mechanical
- Mr. Shashikant Gupta,
  Proprietor, Radhika Enterprises

Venue:

VIVA Institute of Technology

Shirgaon, Virar (E). Dist-Palghar
Pin – 401305
Contact No. 0250-6990999 (Ext-135/138)
Website: www.viva-technology.org

Important Dates

Last date of registration: 20 November, 2024
25 TH – 30 TH November, 2024

Eligibility

PG students, Faculty from engineering, Management and delegates from industry can attend the program.

Course Fee

- Research Scholars or P.G students: Rs. 500/-
- Faculty (ISTE Member): Rs. 500/-
- Faculty (Non-ISTE Member): Rs. 1000/-
- Delegates from the industry: Rs. 1000/-

VIVA INSTITUTE OF TECHNOLOGY

ISTE Approved One week STTP On

"Fundamentals of Welding: Mastering the Basics"

Date: 25th to 30th November, 2024

Organized by: Department of Mechanical Engineering

VIVA Institute of Technology, Virar (E)

List of Participants

Sr. No.	Name of the Participant	ISTE Membership Number
1	Dr. Niyati Raut	LM76844
2	Vinit Deepak Raut	LM76841
3	Dr. Chinmay Pingulkar	LM111387
4	Pratiksha Sankhe	LM124605
5	Mehta Suneet J.	LM111396
6	Henisha A. Raut	LM124606
7	Priyank Madhukar Vartak	LM111391
8	Swapnil Prakash Raut	LM111401
9	Dr. Kiran K. Jadhao	LM43384
10	Ms. Chhaya Shamrao Patil	LM124607
11	Tejas Hareshwar Chaudhari	LM111397
12	Pratik Prakash Raut	LM111402
13	Omkar Kanchankumar Joshi	LM91558
14	Sushil S Mishra	LM94969

Dr. Chinmay Pingulkar
STTP Coordinator
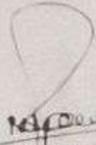
Dr. Niyati Raut
STTP Coordinator

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VIVA INSTITUTE OF TECHNOLOGY

ISTE Approved One week STTP On

"Fundamentals of Welding: Mastering the Basics"

Date: 25th to 30th November, 2024

Organized by: Department of Mechanical Engineering

VIVA Institute of Technology. Virar (E)

Detailed Schedule

Date	Course Details	Timings
25-11-2024	Inauguration Function	9.00 am-9.30 am
	Fundaments of the Joining Processes	9.30 am-12.30 pm
	Fundamentals of Welding Processes and their Applications in the Industry	1.00 pm-4.00 pm
26-11-2024 (Online)	Advanced Welding Processes in Additive Manufacturing	9.30 am-12.30 pm
27-11-2024 (Online)	Physical Processes in TIG Welding	9.30 am-12.30 pm
28-11-2024	Hands On Training on WARP IN TIG 4001 Machine (GTAW)	9.30 am-12.30 pm
	Hands On Training on WARP WS 200 Machine (GMAW)	1.00 pm-4.00 pm
29-11-2024	Hands On Training on Sigma Weld 170 TIG Machine	9.30 am-12.30 pm
	Hands On Training on Sigma Weld SW 400 mm Machine	1.00 pm-4.00 pm
30-11-2024	Industrial Visit	9.30 am-12.30 pm
	Industrial Visit	1.00 pm-4.00 pm
	Valedictory function and Vote of Thanks	4.00 pm-4.30 pm

Dr. Chinmay Pingulkar
STTP Coordinator

Dr. Niyati Raut
STTP Coordinator

ISTE Approved One week STTP On

" Fundamentals of Welding: Mastering the Basics"

Date: 24th to 30th June, 2024

Organized by: Department of Mechanical Engineering.

VIVA Institute of Technology. Virar (E)

List of the Resource Person

Sr. No.	Name of the Resource Person	Designation And Organization
1.	Dr. Vishvesh Badheka	Professor, Pandit Dindayal Petrolium University
2.	Dr. Amit Kumar Singh	Post-Doctoral Research Associate. University of North Texas. USA
3.	Mr. Vinay Chansikar	CEO Preciworld Mechanical
4.	Mr. Shashikant Gupta	Proprietor. Radhika Enterprises

Dr. Chinmay Pingulkar
STTP Coordinator

Dr. Niyati Raut
STTP Coordinator

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Department of Mechanical Engineering, VIVA Institute of Technology, Virar (E)

Topic Name:	ISTE Approved One week STTP On "Fundamentals of Welding: Mastering the Basics"
Name of the Guest Speakers:	Mr. Vinay Chansikar, Dr. Vishvesh Badheka, Dr. Amit Kumar Singh, Mr. Shashikant Gupta
Date:	25th to 30th November, 2024
Time:	09.30 am to 4.00 pm

Programme Summary/Details:

A comprehensive, week-long Short Term Training Program (STTP) titled "Fundamentals of Welding: Mastering the Basics" was conducted from November 25th to 30th, 2024. Organized by the Department of Mechanical Engineering at VIVA Institute of Technology, Virar, and approved by the Indian Society for Technical Education (ISTE), the program offered a blend of theoretical knowledge and practical training.

The STTP commenced with a foundational session on joining and welding processes led by Mr. Vinay Chansikar, CEO of Preciworld Mechanicals. He introduced fundamental concepts of welding, brazing, and soldering, and detailed various techniques including Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), and resistance welding. The session also highlighted the extensive applications of welding in industries such as automotive, aerospace, and construction.

The second day featured an online lecture by Dr. Vishvesh Badheka on "Advanced Welding Processes in Additive Manufacturing". Dr. Badheka discussed the integration of 3D printing with welding, focusing on hybrid techniques like laser and metal deposition welding. He emphasized their use in producing lightweight, high-strength components for the aerospace and automotive sectors and touched upon the future of welding in the context of Industry 4.0.

On day three, Dr. Amit Kumar Singh delivered an online session on the "Physical Processes in TIG Welding". He explained the principles of TIG welding, arc physics, and heat distribution, along with material-specific considerations for welding metals like aluminum, stainless steel, and titanium.

The fourth and fifth days were dedicated to hands-on training under the guidance of Mr. Shashikant Gupta, a professional in welding equipment operation. Participants gained practical experience with various machines, including the WARP IN TIG 4001 (GTAW) and WARP WS 200 (GMAW). They further honed their skills on the Sigma Weld 170 TIG machine for precision work and the more powerful Sigma Weld SW 400 mm machine for thicker materials, practicing on both thin sheets and industrial-grade metals.

The program concluded on the sixth day with an industrial visit to provide real-world context. Participants visited Preciworld Mechanicals, where they observed precision manufacturing and the use of TIG and MIG welding in creating complex assemblies. A subsequent visit to Paresh Engineering Industries, led by Mr. Parag Nerurkar, offered insights into welding practices in the piping industry, showcasing the unique

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techniques and challenges involved in large-scale pipeline welding. These visits provided invaluable exposure to industry-standard practices, effectively supplementing the technical training received during the week.

Photos:
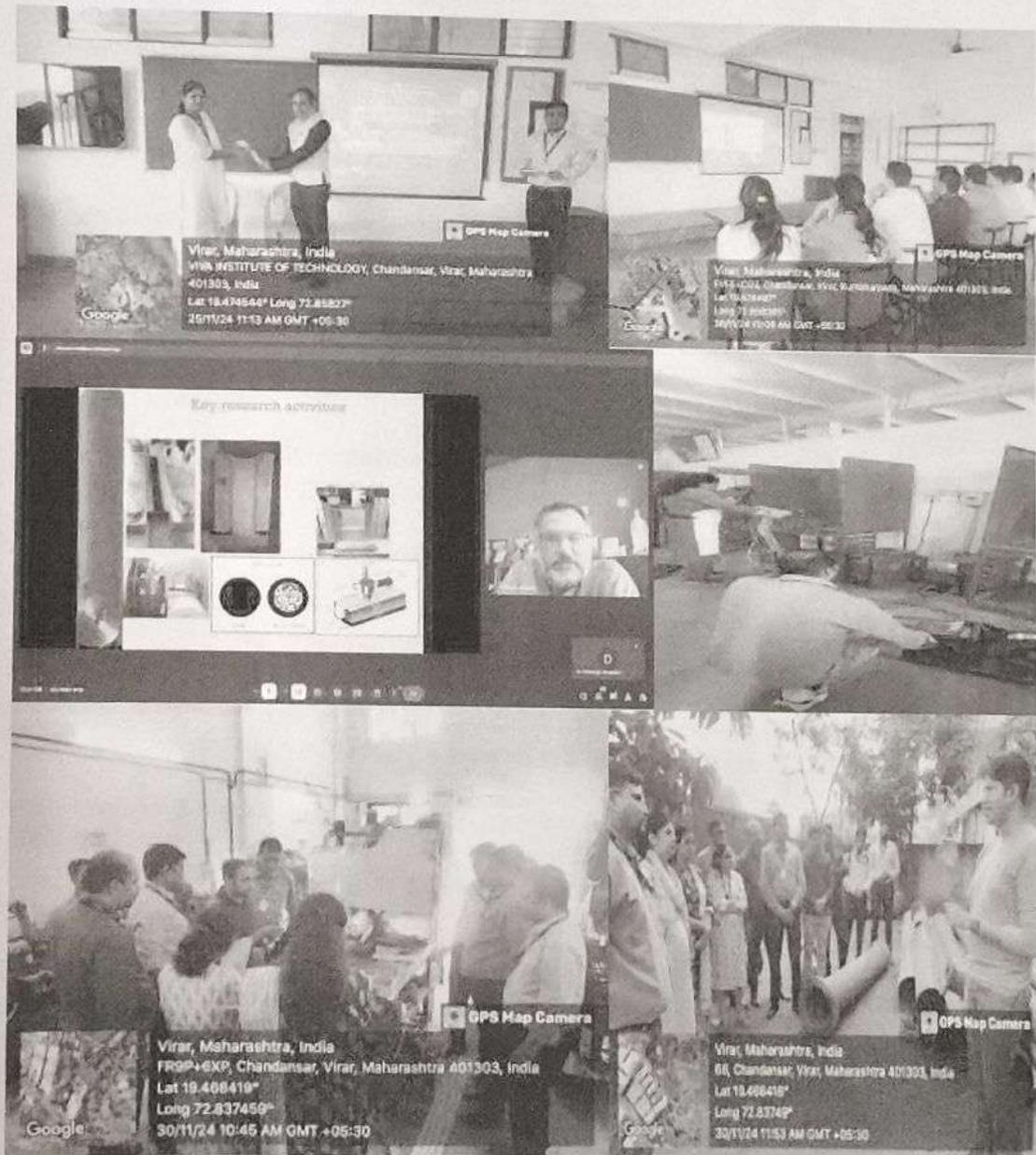
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ISTE Approved One week STTP On

"Fundamentals of Welding: Mastering the Basics"

Date: 25th to 30th November, 2024

Organized by: Department of Mechanical Engineering, VIVA Institute of Technology, Virar (E)

Report

Introduction

ISTE approved a one-week Short Term Training Program (STTP) titled "Fundamentals of Welding: Mastering the Basics". The program took place from 25th to 30th November, 2024, and aimed to equip participants with foundational skills in welding while exploring advanced. The program combined both theoretical sessions and hands-on training to provide a holistic learning experience. The STTP included expert lectures, online sessions, practical demonstrations, and an industrial visit to witness real-world welding applications.

Day 1: (25-11-2024): Fundaments of the Joining Processes, Fundamentals of Welding Processes and their Applications in the Industry

Speakers' Name: Mr. Vinay Chansikar

Session Overview

The first day of the STTP laid the foundation for understanding welding and joining processes. Mr. Vinay Chansikar, an expert in welding technologies and the CEO of Preciworld Mechanicals, led the session, which focused on the following areas:

Introduction to Joining Processes: Mr. Chansikar introduced the fundamental concepts of joining processes, including welding, brazing, and soldering. The differences and applications of each were discussed, with an emphasis on welding as a dominant technique in industrial applications.

Fundamentals of Welding Processes: The various welding processes were examined in detail, including:

Arc Welding: Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), and Gas Metal Arc Welding (GMAW).

Resistance Welding: Spot and seam welding.

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Applications of Welding in Industry: The lecture explored how welding is used across diverse industries such as automotive, aerospace, construction, and heavy machinery. Practical examples from the speaker's own experience in manufacturing and fabrication were shared to help participants understand real-world welding challenges.

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Day 2: (26-11-2024): Advanced Welding Processes in Additive Manufacturing (Online)

Speaker's Name: Dr. Vishvesh Badheka

Session Overview

Day 2 featured an online session on Advanced Welding Processes in Additive Manufacturing, delivered by Dr. Vishvesh Badheka, an expert in welding and materials science. Dr. Badheka focused on:

Introduction to Additive Manufacturing: The concept of 3D printing and its integration with welding techniques, particularly in industries that require precision parts.

Advanced Welding Technologies: The role of welding processes in additive manufacturing, with a particular focus on hybrid welding techniques such as laser welding and metal deposition welding.

Applications in Aerospace and Automotive Sectors: How advanced welding techniques contribute to the production of lightweight, high-strength components for industries like aerospace and automotive.

Dr. Badheka also discussed the future of welding in the context of Industry 4.0, where automation, robotics, and digital technologies are transforming the traditional welding processes. The online format allowed for a global perspective, and participants had the opportunity to engage with the speaker through an interactive Q&A.

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At Shirgaon, Post Virar, Tal. Vasai, Dist. Palghar - 401305. Tel : 7498025811 Website : www.viva-technology.org

NAAC ACREDITATE WITH GRADE B—

Day 3: (27-11-2024): Physical Processes in TIG Welding (Online)

Speaker's Name: Dr. Amit Kumar Singh

Session Overview

On the third day, Dr. Amit Kumar Singh, an authority on welding metallurgy, took participants through the physical processes in Tungsten Inert Gas (TIG) Welding, conducted online via Google Meet. Dr. Singh's session included:

Principles of TIG Welding: The theory behind TIG welding, including the role of the tungsten electrode, shielding gas, and the heat source. Participants learned how TIG welding is used for high quality, precision welds on thin materials.

Arc Physics and Heat Distribution: An in-depth discussion on how arc formation and heat transfer occur in TIG welding, influencing the quality and strength of the weld.

Material Considerations: Dr. Singh explained how different metals react to TIG welding, including aluminium, stainless steel, and titanium, and the factors that affect weld quality such as heat input and electrode positioning.

The session also touched upon the importance of post-weld cleaning, especially when working with reactive metals like aluminium.

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Day 4: (28-11-2024): Hands on Training on WARP IN TIG 4001 Machine (GTAW), WARP WS 200 Machine (GMAW)

Speakers' Name: Mr. Shashikant Gupta

Session Overview

Day 4 provided a valuable hands-on training session with welding machines under the expert guidance of Mr. Shashikant Gupta, a professional in the field of welding equipment operation. The training was focused on two welding machines:

WARP IN TIG 4001 Machine (GTAW): Participants were trained in Gas Tungsten Arc Welding (GTAW) using the WARP IN TIG 4001. This session allowed them to practice creating precise welds on stainless steel sheets, with an emphasis on controlling the heat input and electrode handling.

WARP WS 200 Machine (GMAW): The session then moved to Gas Metal Arc Welding (GMAW) using the WARP WS 200 Machine. Participants learned about the MIG welding process, including wire feed control, arc length, and metal deposition rates. Mr. Gupta demonstrated how to adjust settings on both machines to achieve optimal weld bead quality and participants practiced welding under supervision.
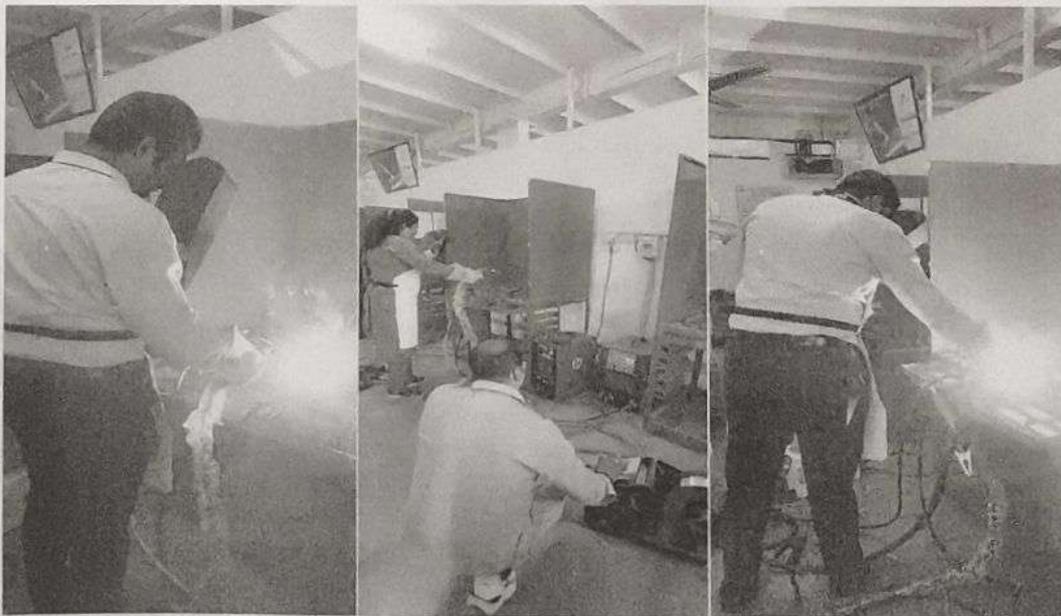
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Day 5: (29-11-2024): Hands on Training on Sigma Weld 170 TIG Machine, Training on Sigma Weld SW 400 mm Machine

Speakers' Name: Mr. Shashikant Gupta

Session Overview

Building on the previous day's training, Day 5 provided further hands-on experience with advanced welding equipment:

Sigma Weld 170 TIG Machine: The focus was on refining the techniques learned on the TIG machine, using the Sigma Weld 170 to create precise welds on thin metal sheets. Participants practiced controlling the arc and improving their technique for aesthetic and strong welds.

Sigma Weld SW 400 mm Machine (GMAW): In addition to TIG welding, participants were introduced to a more powerful MIG welding machine, the Sigma Weld SW 400 mm. The focus was on thicker metal welding, such as in industrial pipe and structural welds.

This hands-on session was critical in providing participants with practical welding experience, allowing them to apply the concepts they had learned over the past few days.

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Day 6: (30-11-2024): Industrial Visit at Preciworld Mechanicals and Paresh Engineering Industries.

Overview

The final day of the program offered participants an excellent opportunity to witness welding processes in real-world industrial settings. Two industrial visits were arranged:

Preciworld Mechanicals: Mr. Vinay Chansikar, the CEO of Preciworld Mechanicals, guided participants through a tour of the company's facilities. Participants observed various welding processes employed in precision manufacturing, including TIG and MIG welding techniques used for creating complex assemblies.
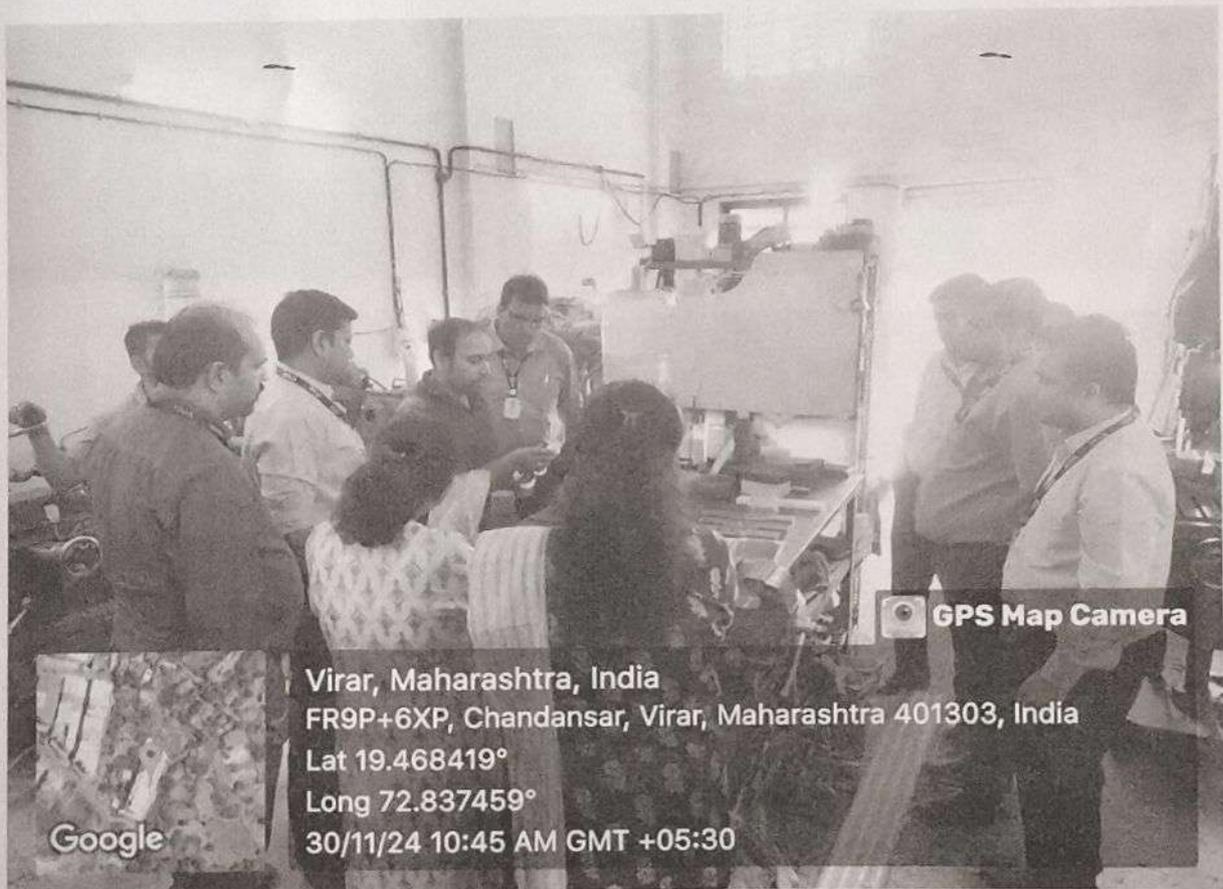
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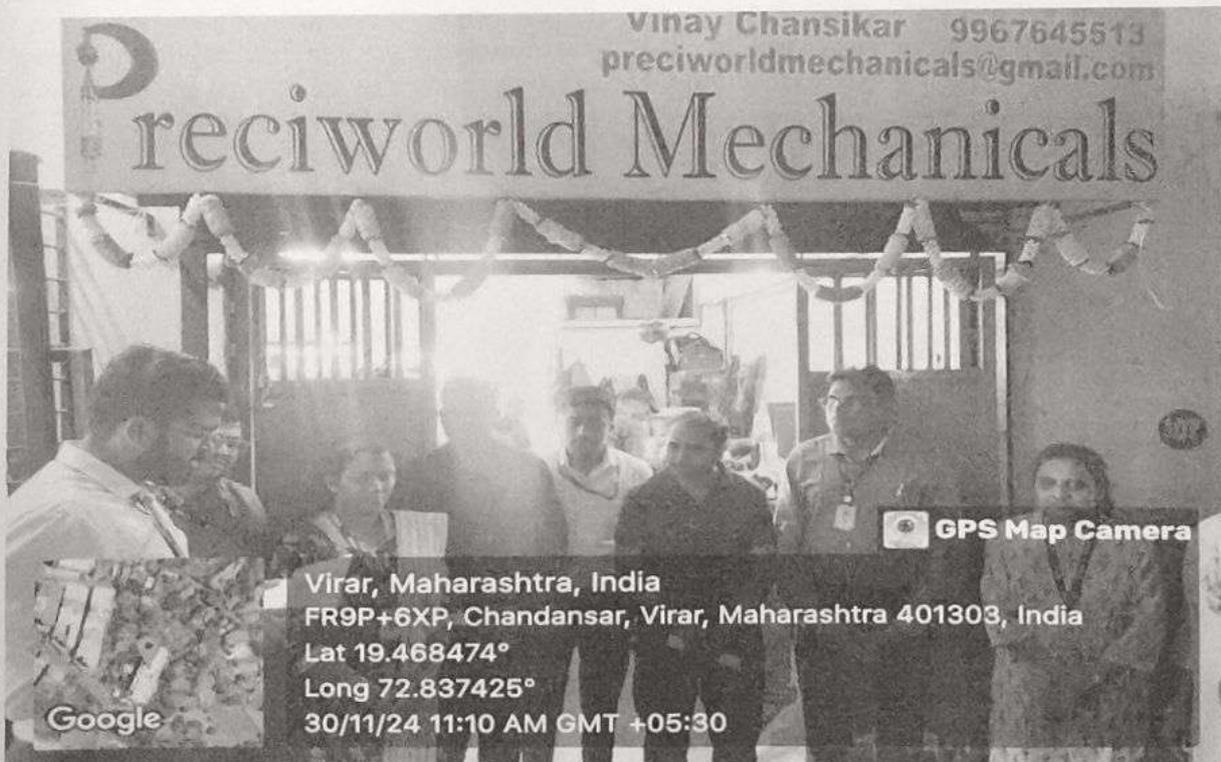
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Paresh Engineering Industries: The visit to Paresh Engineering Industries, led by Mr. Parag Nerurkar, offered insights into welding practices used in the piping industry. Participants observed the welding of large-scale pipelines, understanding how pipe welding differs from sheet metal welding in terms of equipment, techniques, and challenges.

Both visits offered hands-on exposure to industry-standard practices, providing valuable context for the techniques learned during the training program.

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VIVA Institute of Technology

Shirgaon, Veer Sawarkar Road, Virar (East), Palghar District – 401305
Accredited by NAAC with Grade "B++"
Department of Electrical Engineering

Date: 23/09/2024

To,
The Principal,
VIVA Institute of Technology,
Shirgaon, Virar (E.).

Subject: Budget for STTP

Dear Sir,

The Electrical Engineering and EXTC department of VIVA Institute of Technology is organising ISTE Approved one Week STTP on **"Power Load Forecasting Using Machine Learning"** from 4th November to 11th November 2024.

The detailed expenditure is as follows:

1	Proposed Date	4th to 11th November 2024
2	Number of days	6 Days
3	Proposed honorarium to the guest per Session	2000
4	Total honorarium	6*2000 = 12000
5	ISTE Permission fees	1,180/-
6	Course Fee (118 x 17)	2006/-
	Total Expenditure	15,186/-

Kindly permit us to conduct this STTP.

Thanking you,

Yours Truly,

Prof. Bhushan Save

H.O.D.

(Electrical Engineering)

NCRENB

Conference Report
NCRENB-2025

Conference Dates: 7th & 8th March 2025
Mode of Conference: Offline

The role of engineers extends beyond conventional boundaries, shaping the modern world through advancements in communication and computing technologies. In the 21st century, innovations such as mobile phones, digital broadcast radio, and high-definition television have significantly enhanced everyday life. Science and Technology (S&T) serve as key drivers of industrial, economic, and social progress, making collaboration between universities, research institutions, industries, and governments essential. Strengthening these partnerships can accelerate sustainable development across various sectors, ensuring that technological advancements contribute effectively to economic growth, societal well-being, and industrial innovation.

NATIONAL CONFERENCE ON ROLE OF ENGINEERS IN NATION BUILDING 2025 (NCRENB- 2025)

The National Conference aims to advance knowledge in building sciences, particularly in construction, by addressing long-term sectoral challenges through systematic research and development. It also seeks to provide expert support for immediate industry needs and promote knowledge dissemination and technology transfer, fostering innovation and sustainable growth in the field.

Topics of Interest in NCRENB 2025 are as follows:
1 Civil Engineering
2 Computer Engineering
3 Electrical and Computer Engineering
4 Electronics and Telecommunication Engineering
5 Humanities & Applied Science
6 Master of Computer Application
7 Mechanical Engineering

NCRENB 2025 was organized in association with University of Mumbai, VIVA-Tech IJRI and ICT Academy.

Conference Statistics:

Track wise Paper Statistics: Selection				
Track Name	**TRACK**	**Papers**	**Internal Blind Review**	**CRC**
Civil Engineering	CIVIL	16	16	16
Computer Engineering	COMP	30	30	28
Electrical Engineering	ELECT	14	14	14
Electronics & Telecommunication Engineering	EXTC	5	5	5
Humanities & Applied Science	HAS	5	5	5
Master of Computer Applications	MCA	20	20	15
Mechanical Engineering	MECH	27	27	27
Total		**117**	**117**	**110**

Conference Registration Statistics: Track	Total	CRC	Registered /Recovery	Non Registered
CIVIL	16	16	16	0
COMP	30	28	28	2
ELECT	14	14	14	0
EXTC	5	5	5	0
HAS	5	5	5	0
MCA	20	15	13	2
MECH	27	27	26	1
Total	**117**	**110**	**107**	**5**

Total Paper Submissions	117
Accepted Full Papers for VIVA-TECH IJRI	In process
Total Accepted Papers	107
Acceptance Rate	91.45%

A total of 117 papers were submitted, out of which 107 were accepted. The submission process was conducted online via the system at ncrenb@viva-technology.org. Plagiarism checks were performed using Plagiarism Checker-X software. Each paper underwent a rigorous review process, receiving evaluations from both internal (VIVA TECH) and external reviewers, ensuring a minimum of two reviews per paper. The external reviewers were esteemed experts with extensive experience in the field. The final approval for uploading papers to VIVA-TECH IJRI was granted by the program convener, Dr. Arun Kumar. Additionally, selected papers will be published in a UGC CARE journal.

Summary

The 13th edition of the National Conference on Role of Engineers in Nation Building (NCRENB) was successfully held at VIVA Institute of Technology, Virar, on March 7th and 8th, 2025. Organized annually in March by VIVA Institute of Technology, this year's conference was conducted in collaboration with University of Mumbai, ICT Academy and VIVA Tech IJRI. The event provided a valuable platform for students and researchers to present their work to peers and experts, alongside seminars focused on the role of college students in nation-building.

This year's conference saw participation from 107 researchers and students across multiple disciplines, including Electrical Engineering, Computer Engineering, Electronics & Telecommunication Engineering, Mechanical Engineering, Civil Engineering, and Master of Computer Applications. The event began with an inaugural ceremony featuring the traditional lamp lighting and Saraswati Poojan, attended by the Principals of VIVA Campus. Dr. Arun Kumar, Principal of VIVA Institute of Technology, welcomed the dignitaries and attendees.

The keynote session was delivered by Dr. Surendra Singh Rathod, Principal of Fr. C.R.C.E., Bandra (West), Mumbai, who spoke on the theme **"Engineers as Guardians of the Future."** Following this, students presented their research papers across various departmental sessions.

The conference concluded on March 8, 2025, with a closing ceremony where awards were presented for the best research papers in each category. Additionally, the **Best Student of the Year Award** was announced, recognizing outstanding academic and research contributions.

Conference Overview:

- **Expected Delegates:** 107 (Registered)
- **Total Attendees:** 171
- **Turnout Percentage:** 160%
- **Total Resource Persons:** 12

The event was a resounding success, fostering research discussions, knowledge exchange, and academic collaboration.

Conference Feedback

The conference received highly positive feedback from delegates, with appreciation for various aspects of the event:

- **Technical Content:** Delegates praised the depth and research-oriented nature of the presentations.
- **Creativity:** While creativity was evident, suggestions were made for further enhancement in future editions.
- **Hospitality:** The hospitality was exceptional, creating a welcoming and comfortable experience for all attendees.
- **Staff Support:** The organizing team and staff were highly cooperative, providing valuable assistance throughout the event.

The overall response highlighted the event's success in delivering quality research discussions, fostering collaboration, and ensuring a seamless experience for participants.

Prepared By:

Dr. Archana Ingle   Prof. Karishma Raut
(NCRENB 2025, Co-Convener)   (NCRENB 2025, Co-Ordinator)

Prof. Meena Perla
(NCRENB 2025, Program Committee)

Approved By:
Dr. Arun Kumar
NCRENB 2025-Convener
Principal – VIVA Institute of Technology, Mumbai, Maharashtra

Date: 20/03/2025
Place: VIVA-TECH, Mumbai, Maharashtra

Tech-Chase Reports

Department of Electronic & Telecommunication Engineering

Topic Name: TECH-CHASE 2024

Organization: Viva Institute of Technology.

Date: 28 & 29 Sept 2024

Time: 8:30am to 4:30pm

Event Name: Check Your Code (Morse Challenge)

In check your code event participants will learn the actual coding used in spacecraft's and satellites. In this event the data is transmitted using switches and bulbs without actually without seeing a person.3 members are to be participate in the game. Rover will send the encoded signal (Morse code) to the Lander with help of a blinking bulb. Then the lander will decode the encoded signal and send the decoded-encoded signal to the Scientist. The scientist will finally decode the received signal.

Winners:- *1: Sahil Kadam*
2: Manas Pawar
3: Ankit Chawda

Department of Electronic & Telecommunication Engineering

Topic Name: TECH-CHASE 2024

Organization: Viva Institute of Technology.
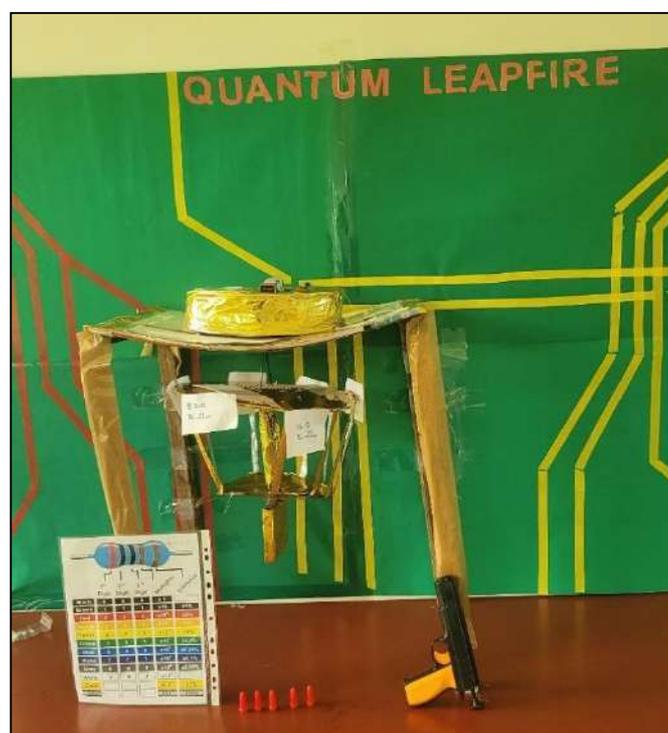
Date: 28 & 29 Sept 2024

Time: 8:30am to 4:30pm

Event Name: Robbo Soccer

In robo soccer the objective is to design a manual robot and which can compete on an arena specially designed for robotic soccer match. The event is aimed at Kicking, skills to control the robot. The event mainly consists of ROUNDS 1, 2

Winners:- *1: Jayesh Sable*
           2: Siddhant Keni
           3: Daksh Patil

Department of Electronic & Telecommunication Engineering

Topic Name: TECH-CHASE 2024

Organization: Viva Institute of Technology.

Date: 28 & 29 Sept 2024

Time: 8:30am to 4:30pm

Event Name: Quantum Leap Fire

In quantum leap fire participant has to pick a cheat having questions related to the science and technology answer of the questions is mentioned on the one of the aims attached to the rotating wheel. out of 3 participant each player will get a single chance to shoot if they shoot within 3 attempts, they will qualify for the robo team that is the next round. In robo team one player's eyes are covered. Two players are standing opposite to each other. One of them will make signs and second one has to guide blindfolded player based on those signs thus they have complete the given activity.

Winners:- *1: Shariq Khan*
        2: Shivam Varma
        3: Aparna Mandal

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NAAC "B++" Grade

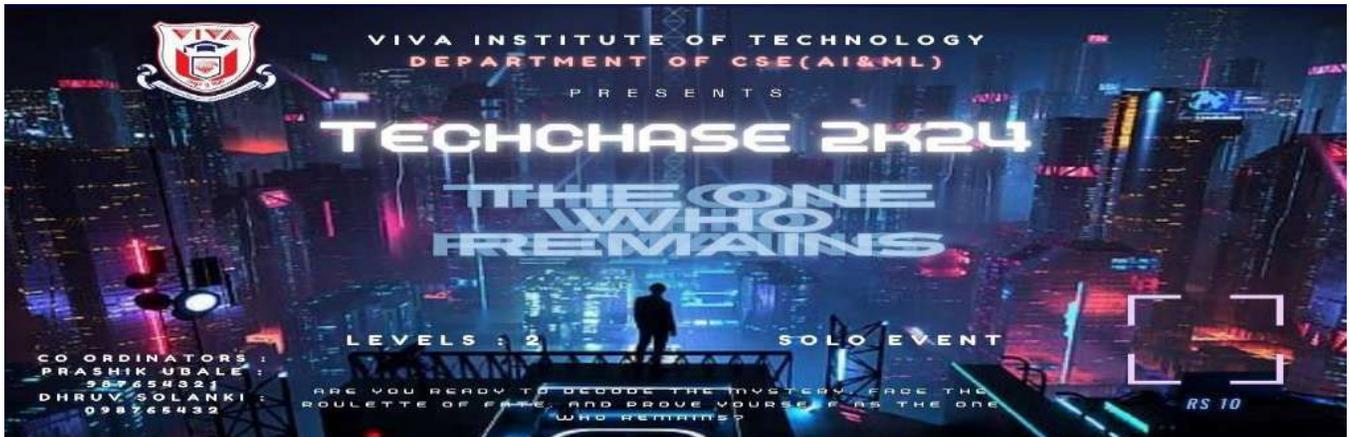# Department of Electronic & Telecommunication Engineering

Department of Computer Science and Engineering (AI & ML)

TECHCHASE 2024
Event Name: "The One Who Remains"

Event Code TCE18

Description:

Enter the thrilling world of **"The One Who Remains",** an immersive game of strategy and mystery where the stakes are high and secrets are concealed within QR codes. Dive into a suspenseful experience to save the world from AI and the quest for survival.

Winners: 1st Rank: Aman Singh (SE AIML)
**   2nd Rank: Asmit Khedekar (SE AIML)**
**   3rd Rank: Harshit Singh (SE AIML)**

Photos:

Department of Computer Science and Engineering (AI & ML)

TECHCHASE 2024
Event Name: "Evolving Odyssey"

Event Code TCE16

Description: "Evolving Odyssey" is a thrilling, futuristic game where two teams of three players each embark on a journey through various levels, each representing a different branch of engineering. As the team's advance, they must apply their knowledge and skills to solve increasingly complex challenges. The final level is centered on Artificial Intelligence and Machine Learning (AIML), where the ultimate test awaits. The theme, "Leap into the Future," drives the players to innovate, collaborate, and outsmart their opponents to win the game. Only the most cohesive and forward   thinking team will emerge victorious in this epic competition.

Winners: 1st Rank: Ram & Luv Kush (COMPS)
2nd Rank: Soham Bagve & Soham Bane (TE AIML)
3rd Rank: Alok & Harshit (SE AIML)

Department of Computer Science and Engineering (AI & ML)

TECHCHASE 2024
Event Name: KAAL CHAKRA: THE LASER WAR

Event Code TCE17

Description: Kaal Chakra The Laser Wars is a thrilling two-player time-travel game where one player navigates the past and the other explores the future. Together, they solve complex puzzles across multiple levels to uncover codes necessary for progression. The game features an immersive 3D puzzle in the penultimate level, culminating in a high-energy laser war deathmatch against AI opponents. This final level combines physical combat with competitive gameplay, testing both players' skills and reflexes in a visually stunning arena. The game offers a unique blend of cooperative problem-solving and intense competition, creating a dynamic and engaging experience.

Winners: 1st Rank: Ayush Kasare & Team (TE COMPS)
     2nd Rank: Manthan Pardeshi & Team (TE AIML)
     3rd Rank: Harshali Patil & Team (SE AIML)

Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

Shirgaon, Virar (E), Taluka-Vasai, District-Palghar, 401305, Maharashtra
Telephone: (0250)-6990999 website- www.viva-technology.org
ACCREDITED by NAAC with GRADE "B+ +"
DEPARTMENT OF ELECTRICAL ENGINEERING

Report on Techchase-2024

Introduction

The TechChase event held at Viva Institute of Technology in Virar on August 30th and 31st, 2024, was a remarkable showcase of innovation, creativity, and competitive spirit. Organized by the institute's technology club, the event brought together students from various departments to participate in a series of challenging and exhilarating games. The competition was designed to test participants' problem-solving skills, technical acumen, and teamwork. The three featured games werBlock Puzzle, Electric Cyclone, and Scream Spectrum, each adding a unique dimension to the event.

Event Overview

The TechChase event spanned two days, creating an energetic and engaging environment for all participants. The venue was adorned with vibrant banners and tech-themed decorations, setting the stage for an exciting array of challenges. The event schedule was meticulously planned to ensure smooth transitions between games and maximize participant engagement. Each game was designed to push the boundaries of traditional problem-solving and incorporate elements of technology and innovation.

Games and Challenges

The Block Puzzle game was a test of logic and spatial reasoning. Participants were given a series of jigsaw-like puzzles, each with unique shapes and patterns. The challenge was to fit all pieces into a predefined space without leaving any gaps.

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1. Electrical Block Connector

The game was timed, adding an element of urgency and excitement. Contestants demonstrated impressive strategic thinking and quick problem-solving skills. The Block Puzzle game saw intense competition, with participants employing various techniques to solve the puzzles efficiently.

Sr No.	Name of the student	Branch	Rank	Time
1.	Ankita Lihitkar	Electrical	1st	1.20 min
2.	Janhavi Ovalkar	EXCT	2nd	1.28 min
3.	Nilay Bhoir	Electrical	3rd	1.33 min

2. Electric Cyclone

Electric Cyclone was a high-energy game involving a complex circuit board challenge. Participants were tasked with assembling a functional electrical circuit from a set of components, which included resistors, capacitors, and LEDs. The goal was to create a working circuit that would power a small motor and generate a visual display. The game required a solid understanding of electronics and precise assembly skills. The complexity of the circuits tested participants' technical knowledge and their ability to troubleshoot issues under pressure.

Sr No.	Name of the student	Branch	Rank	Level
1.	Shivam Yadav	Electrical	1st	4

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2.	Ankita Lihitkar	Electrical	2nd	3
3.	Prasad Mirgal	Electrical	3rd	3

3. Scream Spectrum

Scream Spectrum was the most innovative and dynamic of the three games. It combined elements of sound recognition and frequency analysis. Participants had to use a sound sensor to detect and analyze different frequencies of sounds. The challenge was to accurately identify and categorize various sound patterns, which required a keen ear and quick reflexes. The game was both challenging and entertaining, providing a unique twist on traditional tech games.

Sr No.	Name of the student	Branch	Rank	Level
1.	Tanmay Tamhankar	Civil	1st	6+
2.	Sahil Singh	EXCT	2nd	5.8
3.	Manas Pawar	Electrical	3rd	5.7

Achievements and Recognition

Among the games, Scream Spectrum emerged as a standout performer. The team participating in Scream Spectrum showcased exceptional skill and precision in identifying and analyzing sound frequencies. Their performance earned them the 3rd prize in the overall departmental games, reflecting their strong grasp of the game's complexities and their ability to perform under pressure. This achievement was celebrated with great enthusiasm, and the team was applauded for their innovative approach and technical expertise.

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Conclusion

The Techchase event at VIVA Institute of Technology was a resounding success, marked by enthusiastic participation and impressive performances across all games. The inclusion of Block Puzzle, Electric Cyclone, and Scream Spectrum provided a comprehensive platform for students to demonstrate their problem-solving abilities and technical skills. The recognition of Scream Spectrum with the 3rd prize was a testament to the participants' hard work and dedication. The event not only highlighted the talent within the institute but also fostered a spirit of innovation and teamwork. It was a memorable two days that showcased the vibrant and dynamic tech community at VIVA Institute of Technology.

Department of Civil Engineering

TECH-CHASE 2024

Event:- 1
BRIDGE STORM CHALLENGE

Combination of Brainstorming" and "Bridge-O-Mania"

Description 1: Brainstorming

- Multiple technical task is involved in these rounds.
- Team upon completion of task moves to next rounds.
- Fastest one to clear the round wins rewards which will need for second round. (eg. Ice cream sticks)

Rules:

1) In first round their will 4 sub round.

2) Bonus round will be considered during tie breaker, it depends on time.

3) Every round will be based on time.
4) Judge's decision will be last decision.

Description 2: Bridge-O-Mania

- A bridge structure is to be constructed. It can be suspended and It has to sustain the loads.
- Participant can build any type of bridge. Structure should bare minimum load of 3 kg. Effective span of bridge should be 1m.

Rules:

1) Popsicle sticks, 2- wooden blocks, thread, glue will be provided. Please get all the rest stationary you require.

2) Not compulsory to use all items provided.

3) Structure should bear maximum load

4) Participants can any type of bridge.

5) Calculation is required.

6) 1 m long bridge with effective span of 70 cm.

7) Structure should bear minimum load (example 3 kg.)

8) Three chances will be given to increase the loading.

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Department of Civil Engineering

Note: Materials will be provided by us. Participants should carry their stationary materials.

Participation: **3 to 4 members**
Time Limit: **2 hours**
Amount: 30 rupees

TECHNICAL OUTCOMES:

Students will be able to understand following concepts:
- Structure of truss bridges and suspension bridges.
- Load distribution over the bridge.
- Design of bridge for maximum stability.
- Design of bridge for maximum safe loading
- Using available knowledge in civil engineering for problem solving.
- Development of faster reflexes and teamwork skills.

NAME OF ITEM	QTY	UNIT	AMOUNT
ICE CREAM STICKS	4	250	1000
GLUE	30	15	450
SCISSORS	25	20	500
CUTTER	20	10	200
THREAD	30	5	150
ORIGAMI PAPER	10	50	500
Fevibond	30	25	750
TOTAL			3550

Event:- 2
POWER TOWER.

Description:

- This event is based on height of model and Stability.

- Starting from the base of the design. The Balloon & straw Structure should be strong and tall Enough to stand free and resist the wind flow.

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TECHNICAL OUTCOMES:

Students will be able to understand following concept:

● Load distribution in case of steel lowers.

● Connection and basic components of stable structure.

● Concept of miniature model.

Participation: **2 to 4 members**
Time Limit: **2 hours**
Amount: 20 rupees

NAME OF ITEM	QTY	UNIT	AMOUNT
BALLONS	30	30	900
THREAD	30	5	150
DOUBLE TAPE	15	20	300
BARBEQUE STICKS	2	250	500
Straws	20	20	100
TOTAL			1950

Event:- 3

CITY SCAPE- **Urban Vision Town Planning**

Introduction and Briefing:

- **Objective:** Orient participants about the event goals, rules, and judging criteria.
-
- **Content:** Overview of urban planning principles, examples of well-planned towns, and specific requirements for the event.
- **Plan the city with different town planning objects provided to them**

  ☐ **Focus Areas:**

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- o Zoning (residential, commercial, industrial)
- o Transportation (roads, bridges, public transit)
- o Green spaces (parks, community gardens)
- o Sustainability (energy-efficient buildings, waste management)
- o Community facilities (schools, hospitals, recreational centers)

Participation: **1 member**
Time Limit: **2 hours**
Amount: 10 rupees

NAME OF ITEM	QTY	UNIT	AMOUNT
CARDBOARD	25	10	250
COLOUR PAPERS	30	10	300
GLUE	10	30	300
DOUBLE TAPE	10	25	250
PAINT COLOUR	4	100	400
Cutter	10	10	100
Colour Pens RGBB	10	15	150
half Imperial Sheets	25	10	250
TOTAL			2000

TECH CHASE 2045-25s

A.Y. 2024-2025

EVENT NAME	EVENT HEADS	EVENT COORDINATORS
BRIDGE O MANIA BRAIN STORMING	KRANTI PAWAR	OGE YASH YASH KADAM
GEOCACHING	PIYUSH TIWARI	ARYAN THAKUR

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		KRUTIK CHURI
CITY SCAPE-TOWN PLANNING	ISHWARI GAVATE	RUTIKA NAKHATE RAHUL SHELAR

Prof. Yadnesh patil   Prof. Akshay Mistry

Faculty Coordinator   H.O.D.

                                        (Civil Engineering)

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Department of Civil Engineering

TITLE: - Whispers of the Keyboard
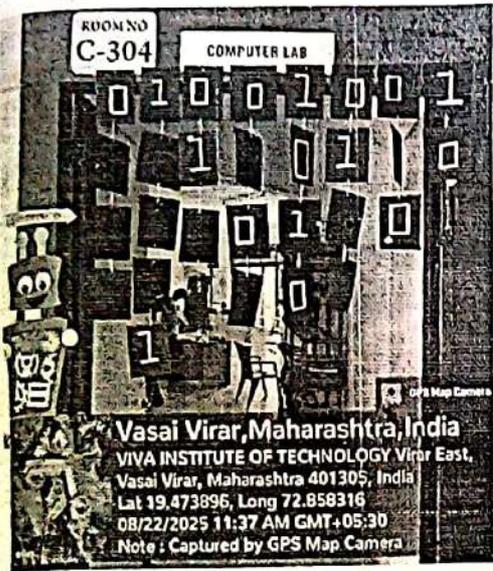
Venue : Computer Lab 304

Rule: Speed based game.

Total no. of Participant: 04

Entry fee: 10/-

Student Coordinator

Ms. Purnima Singh	SYMCA

DESCRIPTION: Whispers of the Keyboard is a fast-paced, tech-driven challenge that puts your knowledge and skills to the ultimate test.

    ♦ Round 1: Dive into a rapid-fire online quiz designed to test your technical fundamentals under intense time pressure. Accuracy and speed will decide who advances.

    ♦ Round 2: The finalists face off in a hands-on race to assemble a keyboard correctly. Every second counts – precision and quick thinking will lead you to victory.

WINNERS: -

Sr.no	Name of the Student	Branch	Rank	Time
1	Sahil Deshmukh	SY- MCA	1ST	30 Keys
2	Aayush Mhatre	SY- AIML(ENGG)	2nd	28 Keys
3	Mayur Mohite	SY- MCA	3rd	27 Keys

Faculty Coordinators:

- Prof. Nitesh Kumar
- Prof. Sonia Dubey

HOD

Prof. Chandani Patel

TITLE: - 404 Ladder Not Found

Venue: Computer lab 302.

Rule: Brain Score based game.

Total no. of Participant: 03

Entry fee: 10/-

Student Coordinator:

Mr. Akshay Bariya	SYMCA

DESCRIPTION: Step into the world of innovation with TechBoard Challenge – an exciting, fast-paced board game designed to test your tech knowledge and strategic thinking! As you move across the digital grid, you'll face challenges in the form of questions from general knowledge, IT, and other tech domains. Each question carries points from 1 to 6, and your movement on the board depends on your answers. Answer wisely, collect points, and race your way to victory in this thrilling battle of brains!

WINNERS:-

Sr.no	Name of the Student	Branch	Rank	Time
1	Alok Singh	SY- COM (DIPLOMA)	1st	34 Steps
2	Mayuresh Gaikwad	SY- COM (DIPLOMA)	2nd	33 Steps
3	Atharva Bhogal	SY- COM (DIPLOMA)	3rd	28 Steps

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

REPORT ON TECHCHASE 2025 EVENT 1

TITLE: - Tech Rush Relay

Virar, Maharashtra, India
At Shirgaon, Veer Savarkar Road, Vasai,thane, Fv15+cq3,
Chandansar, Virar, Maharashtra 401303, India
Lat 19.473827° Long 72.806668°
23/08/25 02:43 PM GMT +05:30

Venue: Computer lab 302.

Rule: Time based game.

Total no. of Participant: 09(3 in each group)

Entry fee: 10/-

Student Coordinator:

Ms. Gargi Phadke	SYMCA

DESCRIPTION: Tech Rush Relay is a high-energy team-based challenge designed to test speed, coordination, and tech skills. Each team of 3 members takes on a series of 3 back-to-back tasks in true relay fashion. From problem-solving to technical challenges, each stage must be completed before the next begins. The final leg? A coding task that will decide it all. The team that finishes all tasks in the shortest time takes the win. In this race, accuracy and teamwork are the ultimate power-ups!

WINNERS: -

Sr.no	Name of the Student	Branch	Rank	Time
1	Naitik Thakare, Gurudee Chaturlya, Sharavan Chavan	FY- AIML (DIPLOMA)	1ST	8.41 mns
2	Sanket Patil, Meet Patil, Vedant Hurane	FY- AIML (DIPLOMA)	2nd	9.37 mns
3	Chitrank Keni, Hetal Rajbhar, Rachit Singh	SYMCA	3rd	9.52 mns

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

Report on Techchase Event 2k24

Date: 30th and 31th August, 2024

Time: 8:45 AM to 4:30 PM

Venue: 307, Project lab, 3rd Floor, Department of Computer Engineering, VIVA Institute of Technology.

Event Name: Visionary Voyage.

Entry Fee: 10/-

Total No Of Participants: 60 (solo player)

Event Overview:

Visionary Voyage 2024, held at the prestigious VIVA Institute of Technology, was a thrilling two-day event that captivated participants with its challenging and innovative levels. This competition tested participants' skills in problem-solving, creativity, and technical knowledge across a series of engaging and immersive games. Teams competed through multiple stages, each designed to push their limits and showcase their prowess.

Day 1:

Level 1: Gesture Sense

Participants began their journey in a high-tech control room where they had to set a secure password using hand gestures. The challenge required accuracy and quick reflexes to log into the system. Successful completion allowed them to proceed to the next level.

Level 2: Air Canvas

In this inventive challenge, participants are introduced to a futuristic control system where air gestures are used to interact with virtual elements. They must manipulate a digital canvas using hand movements to send signals and achieve specific tasks. This level combines creativity with precision as participants navigate through the air canvas, requiring them to make accurate gestures to control and configure the system effectively. Success in this level demonstrates their ability to adapt to novel technologies and perform under unconventional conditions.

Level 3: Command Clash

In this dynamic round, participants faced a series of commands from a sophisticated system. They had to perform tasks based on these commands as quickly and accurately as possible. The first team to complete the tasks and confirm their execution was allowed to advance, demonstrating their ability to respond under pressure.

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Level 4: CrypticQuest

Participants were then tasked with decoding an encrypted message received from the system. Using cryptographic techniques, they needed to decipher the message to uncover vital information that would help them in future levels. This round tested their analytical skills and understanding of cryptographic principles.

Day 2:

Final Level : Rylak Hunt

The final level, Rylak Hunt, immersed participants in a dystopian world where they faced the perilous machine named Rylak. In this level, they had to navigate a grid where every move counted. They could not move backward once a grid was visited. The objective was to locate and eliminate Rylak while avoiding hidden pitfalls and obstacles. Participants needed to use their problem-solving skills and strategic thinking to succeed.

Winners:

- 1st Place: Rahul Yadav (BE Comps)

- 2nd Place: Pranita Lad (TE Comps)

- 3rd Place: Vikrant Pawar (BE Comps)

Closing:

Visionary Voyage 2024 was a resounding success, providing an exhilarating experience for all participants. The event highlighted the participants' technical skills, strategic thinking, and teamwork. The organizers extend their congratulations to the winners and their gratitude to all the participants and supporters who made the event memorable.

Manjiri Mhatre   **Prof. Akshata N. Raut**   **Prof. Sunita Naik**
CSI Chairman   CSI In-charge   In-charge HOD,
                                                      Department of Computer Engineering

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Event Photos:

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<u>Report on Techchase Event 2024</u>

Date: 30th and 31st August, 2024

Time: 8:45 AM to 4:30 PM

Venue: 309, 3rd Floor, Department of Computer Engineering, VIVA institute of Technology.

Event name: Virtual Vault.

Entry fee: 20/-

Total No. of Participants: 50 Teams (3 members each team)

TechChase 2024, hosted at the prestigious VIVA Institute of Technology, witnessed an exhilarating event known as "Virtual Vault." This remarkable event brought together technology enthusiasts, students, and professionals from diverse backgrounds to explore the realms of future technology, fostering a memorable and enjoyable experience for all participants. It was an event where technology and subject's concepts melded seamlessly, offering an unforgettable experience that blended education with pure. A trio embarked on a time-travel adventure and stumbled into a futuristic escape room. The moment they entered, the door locked behind them, and a holographic voice revealed they were trapped in a time anomaly. To return to their original timeline, they had to solve a series of intricate puzzles, including encrypting codes, matching digital patterns, and doing multiple tasks to make the system work.

Round 1 day 1 with 3 levels.

The journey kicked off with the Pass-code Pursuit Challenge. Teams of three were required to answer some general knowledge and technical questions displayed on a digital screen, once they answer all the questions they will get a code which will be used later in their escape procedure, progressing to the next level. Level 2 introduced the Memory Matrix challenge. Teams had to match the sequence of flashing tiles displayed on the screen. In this level participants had to match the sequence 7 times. After matching each pattern it becomes more and more difficult to remember the sequence as its flashing becomes faster. If the sequence doesn't match, the team has been disqualified. After conquering this level, teams moved on to the final challenge.

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In the System Overdrive, teams performed two tasks,first was to arrange the machine's keys in their appropriate places, second was to find a missing java file in the machine to run the code successfully. Teams need to complete all these tasks in minimum time to qualify for day 2.

 Final round 2 was on day 2 with only one 1 level.

On Day 2, the enthusiasm continued with "Magno Miners," in which one of the team members has to pick up an egg with the help of electromagnet. In that egg there is a question which the team has to answer the more the questions answered in the given time the more the chances of winning. Participants were so competitive on day 2 too for winning as they were trying their best to give answers to the questions taken out of the eggs.

Winners: 1st- Vikrant Pawar (BE Comps)

2nd- Bipin Chauhan (BE Comps)

3rd- Parth Ghudke (TE AIML)

Manjiri Mhatre
CSI Chairman

Prof. Akshata N. Raut
CSI In-charge

Prof. Sunita Naik
In-charge HOD,
Department of Computer Engineering

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Event Photos:
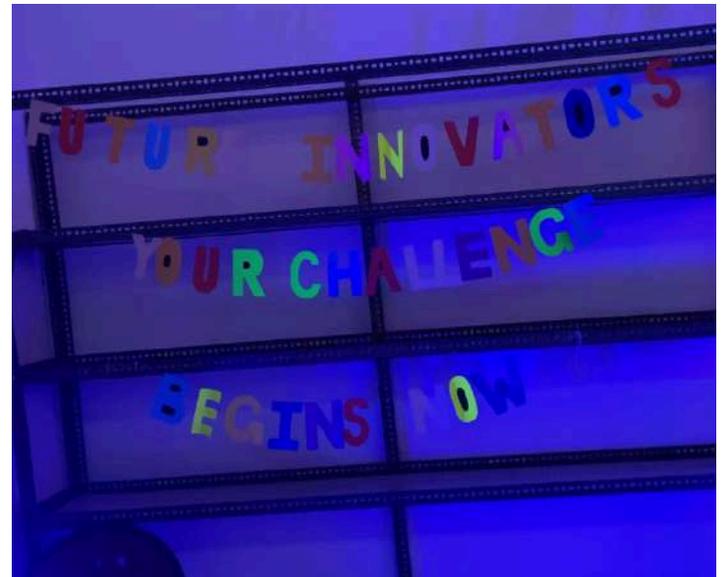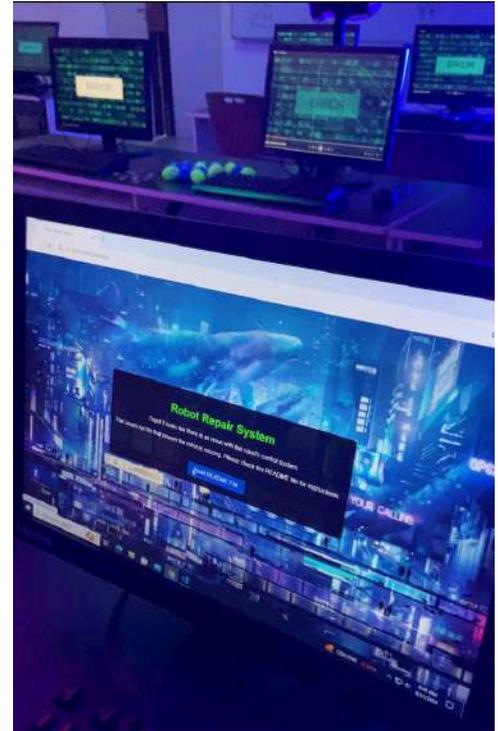
Report on Techchase Event 2024

Date: 30th and 31th August, 2024

Time: 8:45 AM to 4:30 PM

Venue: 303, 3rd Floor, Department of Computer Engineering, VIVA institute of Technology.

Event name: TechChronicles.

Entry fee: 30/-

Total No. of Participants: 22 Teams (4 members each team)

TechChase 2024, hosted at the prestigious VIVA Institute of Technology, witnessed an exhilarating event known as "TechChronicles." This enthralling event served as an occasion for bringing together all the technology enthusiasts, students, and professionals from diverse branches to embark on an enlightening journey through time. It was an event where technology and imagination melded seamlessly, offering an unforgettable experience that blended education with pure. A squad of four embarked on a thrilling journey through time where they were challenged by various technical based tasks at every stage of the game. The players played the role of engineers that are stuck in the ancient era due to some malfunctioning in their time machine. The players had to fix the issue in the time machine and then solve some technical tasks at the ancient, medieval and modern era stages of the game. The main aim of the players turned engineers was to reach the final stage of the game that was the future era and experience various future technologies and fix the issues in them. The teams which utilized the minimum time qualified for round 2 on the day 2.

Round 1 day 1 with 4 levels.

The journey through the time kicked off by the voice assistant narrating the situation to the players that they are stuck in the ancient era due to some issue in the time machine. The team were informed that they had to solve the basic breadboard circuit and make the buzzer buzz by giving the correct input combination to the two gates placed in the circuit. The buzzing of the buzzer indicated the time machine being restored.In the second game of stage 1 the team were given an ancient hieroglyphic pattern which they had to decrypt using the guide provided and some Caesar cipher.

Upon the completion of the task the team now jumped into the medieval era where they had to solve two puzzles, the first being the N-queen and the second being the Tower of Hanoi. Upon solving of both the puzzles the team now jumped into Stage 3 which was the modern era. Here the team first had to solve the maze game given on the computer interface by arranging the given steps of a pseudocode which consisted of conditional statements in a former logical order. Upon solving the whole puzzle, the teams were then instructed to arrange the provided 8 files in a tree hierarchy based on the conditions instructed to them. Here stage three of the game came to an end. Upon reaching the final stage of the game i.e. the Future era the team first encountered a Quantum Computer which they had to fix by solving numerous questions based on the knowledge they interpreted regarding the quantum computer concepts and gates. Next, they had to locate a mysterious country on the computer interface with the aid of an AI. The final task of the last stage and the entire game was to fix a Brain Computer Interface by traversing a neural network graph while spending minimum energy and solving a small technical task at each node based on basic technical concepts. This unpredictable and fun challenge tested participants' critical thinking, logical skills and teamwork to the fullest.

Final round 2 was on day 2 with only one 1 level.

On Day 2, the excitement continued with "Wikipedia Rush" where the teams qualified after the completion of round 1 on the day 1 had to start from the Wikipedia page of the word, they decrypted in the stage 1 of round 1 and had to reach the Wikipedia page of the country they had located in the stage 4 of round 1. The top three teams that expended minimum time were declared as winners.

Winners: 1st- Sahil Manjrekar (BE Comps)

2nd- Darshan Dhamode (BE Comps)
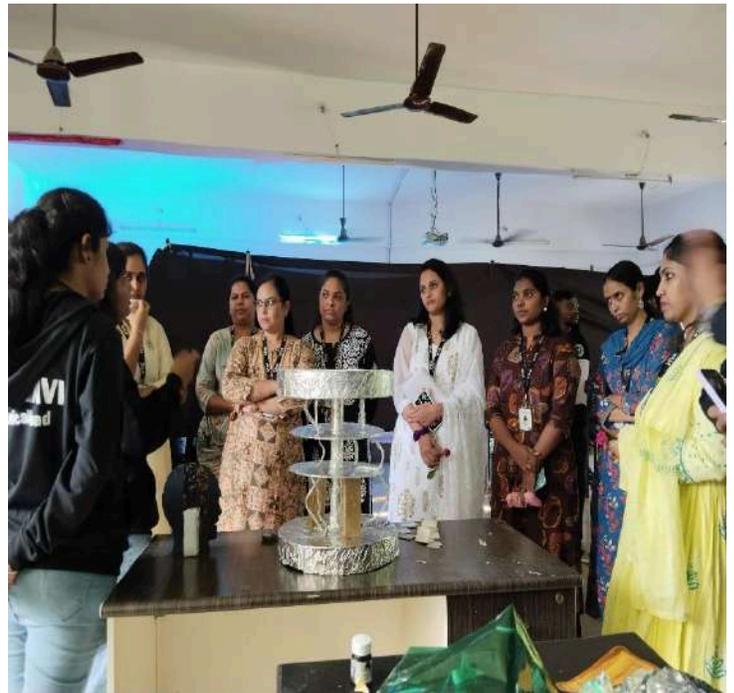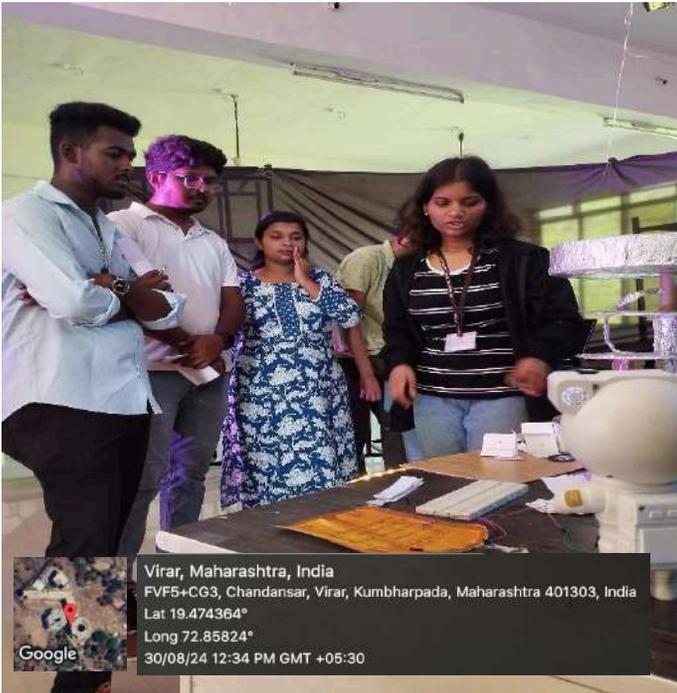
3rd- Bhargav Raut (Diploma)

Manjiri Mhatre
CSI Chairman

Prof. Akshata N. Raut
CSI In-charge

Prof. Sunita Naik
In-charge HOD,
Department of Computer Engineering

Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)
Shirgoan, Kumbharpada, Virar(E), Taluka-Vasai-401305, Phone no:7770002544 Website: www.viva-technology.org

DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

Event Photos:

Inter-college Project Competitions Record

Department of Computer Science and Engineering (AI & ML)

TECHCHASE 2024
Event Name: "The One Who Remains"

Event Code TCE18

Description:

Enter the thrilling world of **"The One Who Remains",** an immersive game of strategy and mystery where the stakes are high and secrets are concealed within QR codes. Dive into a suspenseful experience to save the world from AI and the quest for survival.

Winners: 1st Rank: Aman Singh (SE AIML)
          2nd Rank: Asmit Khedekar (SE AIML)
          3rd Rank: Harshit Singh (SE AIML)
Photos:

Department of Computer Science and Engineering (AI & ML)

TECHCHASE 2024
Event Name: "Evolving Odyssey"

Event Code TCE16

Description: "Evolving Odyssey" is a thrilling, futuristic game where two teams of three players each embark on a journey through various levels, each representing a different branch of engineering. As the team's advance, they must apply their knowledge and skills to solve increasingly complex challenges. The final level is centered on Artificial Intelligence and Machine Learning (AIML), where the ultimate test awaits. The theme, "Leap into the Future," drives the players to innovate, collaborate, and outsmart theiropponents to win the game. Only the most cohesive and forward   thinking team will emerge victorious in this epic competition.

Winners: 1st Rank: Ram & Luv Kush (COMPS)
        2nd Rank: Soham Bagve & Soham Bane (TE AIML)
        3rd Rank: Alok & Harshit (SE AIML)

Department of Computer Science and Engineering (AI & ML)

TECHCHASE 2024
Event Name: KAAL CHAKRA: THE LASER WAR

Event Code TCE17

Description: Kaal Chakra The Laser Wars is a thrilling two-player time-travel game where one player navigates the past and the other explores the future. Together, they solve complex puzzles across multiple levels to uncover codes necessary for progression. The game features an immersive 3D puzzle in the penultimate level, culminating in a high-energy laser war deathmatch against AI opponents. This final level combines physical combat with competitive gameplay, testing both players' skills and reflexes in a visually stunning arena. The game offers a unique blend of cooperative problem-solving and intense competition, creating a dynamic and engaging experience.

Winners: 1st Rank: Ayush Kasare & Team (TE COMPS)
2nd Rank: Manthan Pardeshi & Team (TE AIML)
3rd Rank: Harshali Patil & Team (SE AIML)

CIVIL ENGINEERING DEPARTMENT

Project Competition: AAKAAR 2K25

Date: 05.04.2025

Time: 10am onwards

Event Judge: Mr. Abhijit Wasave

Firm: Aaradhya Associates

Event Coordinator: Mrs. Arathy H Menon

Programme Summary:

Project Competition AAKAAR2K25 was organised by Civil Engineering Department at VIVA Institute of Technology on 5th April 2025. The event was inaugurated by HOD, Prof. Akshay Mistry. 36 groups were registered for the event. Students showcased their projects, demonstrating creativity, technical expertise, and problem-solving skills.

Project were categorised into major and minor, and judging was done accordingly. The judging panel observed the presentation of each group and discussed the scope of each project and its practical applications.

First three prizes were given to major and minor categories of projects. The event was very successful and concluded with the validatory function.

Inauguration of AAKAAR2K25

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE New Delhi, Recognized by DTE, Govt. of Maharashtra
And Affiliated to University of Mumbai
NAAC "B++" Grade

CIVIL ENGINEERING DEPARTMENT

EVENT: Project Competition AAKAAR2K25

List of Winners in AAKAR2K25

Major Project Category

Sr.No	Name of Student	Name of Institute	Title of Project	Group No	Rank	Prize Money
1	Avinash Mishra Kunal More Kundan Maurya	VIVA Institute of Technology	Design of Hydroelectric Power Plant	19	1	1500
2	Nandan Jha Disha Patil Shubham More	VIVA Institute of Technology	IOT Based Rain water Harvesting	17	2	1000
3	Raghuveer Devare Ankit Kamble Riddhi Ayare Aayush Patil	Pravin Patil College of Engineering & Technology	New Method of Trenching and Reinstatement	18	3	500

Minor Project Category

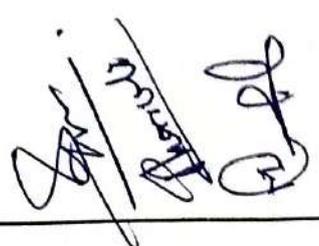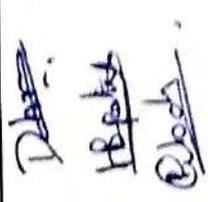| Sr.No	Name of Student	Name of Institute	Title of Project	Group No	Rank	Prize Money
1	Ayush Ajay Ayre Punit Padvale	VIVA Institute of Technology	Pothole Detection and repair System	15	1	1500
2	Mohan Patwa Shukla Shaik Yutika Bhosle Anjali Gaud	HK College of Pharmacy	Non-Newtonian Fluid based Speed Braker	35	2	1000
3	Antariksh Patil	VIVA Institute of Technology	Sandwich Pannel	36	3	500

H.O.D

Prof. Akshay Mistry

Prepared By

Arathy H Menon

Project Competition Coordinator

Name of Student Coordinate:

Sr No	Name of Student	Title	Institution Name	Mob No.	Mob No.	Signature
1	Krish M Joshi Rajveer N Vadhel Ashutosh K Saini Yogesh R Kharat	Replacing aggregate with plastic aggregate in concrete	Viva Institute of Technology	9146053549	9091983415	
2	Aayush Sanjay Patil Kunal Suresh Patil	Self healing concrete	Viva Institute of Technology	7022024463	9601527862	
3	RUTIKA GANESH NAKHATE SAKSHI DESAI SAKSHI BANE	Treatment and reuse of grey water for hydroponic farming	Viva Institute of Technology	9657222362	7097645624	
4	YASH KADAM ISHWARI	BIO BITUMEN	Viva Institute of Technology	1528472622	7022267153	

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Sr. No	Name of Students	Project Title	Institution			Signature
5	GAVTE RAHUL SHELAR					
6	Ashana pawar Vikas shah	DESIGN AND ANALYSIS OF ZERO ENERGY BUILDING	Viva Institute of Technology	7045974319	9920676399	
9 10	Sameer Gurav Prajyot Tharali Moiz khatri	COMPARATIVE ANALYSIS OF G+10 BUILDINGS WITH AND WITHOUT SHEAR WALLS USING ETABS	Viva Institute of Technology	7769851535	8169656112	
10 11	RAJ GOVILKAR MAMTA LOUIS VINAY GOWDA ASHRAF SHAIKH	UTILIZATION OF E-WASTE IN CONCRETE BY PARTIAL REPLACEMENT OF COARSE AGGREGATE	Viva Institute of Technology	8928198349	7023149964	
11 12	DAVANE DHRUV SUNIL PATIL HARSH UBALE Prajyot	G+20 STRUCTURE IN STAAD.pro	Viva Institute of Technology	7038270860	9096679951	

No	Names	Project Title	College			Signature
12	Shubham Thakur Dhruv Mhatre Vibhas Mhatre Atharv Zore	LVT(Low Vibration Track) Block	Pravin Patil College of Engg & Tech	9594314782	9977004623	
13	Tejas Soban Dilesha Parihar Aayush Patil Gayatri Ghanekar	Ultra High Performance Concrete (UHPC)	Pravin Patil College of Engg & Tech	7769809951	9828283938	
14	Ayush Ajay Ayare Punit Padvale	Pothole Detection and Repair System	Viva Institute of Technology	7775804055	9322451336	
15	Nishant Sumedh Tanish	Sustainable Paver Block	Viva Institute of Technology	8450027219	9326098744	
16	Nandan jha Disha patil Shubham more	IOT based rainwater Harvesting	Viva Institute of Technology	8104446495	9769012635	
17	Raghuveer Devare Aniket Kamble Riddhi Ayare	New method of Trenching and Reinstatement	Pravin Patil College of Engg & Tech	7400290810	9324467384	

Aayush Patil

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No.	Name	Project Title	Institute	Contact	Contact	Signature
19	Avinash mishra Kunal more Kundan maurya	Design of hydroelectric power plants	Viva Institute of Technology	9370727587	9082986368	
19	Anushka Pradeep Pawar Akash Rama Prajapati Kunal Dattatray Mahadik	Rural Road Development	Viva Institute of Technology	7039618342	8788577632	
20	Sawant Trushal Sharma Tarun Shipkule Abhijit	COMPARATIVE STUDY OF TRADITIONAL ESTIMATION METHODS AND BIM BASED ESTIMATION METHODS FOR A MULTI - STOREY RESIDENTIAL	Viva Institute of Technology	9552626271	9594806914	
21	HARIOM PANDEY GOPAL RAI	Evolution of rotatory for Urban Area	Viva Institute of Technology	9325760773	7039634113	
23	Aniket raut Rohit Sah Akshay thukrul	Value of engineering	Viva Institute of Technology	7620877723	8788569303	

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Ref. No. : VIVA / VIT / 6803 / 2024-25

Date :
Date: 04/04/2025

To,
Mr. Abhijit Suresh Wasave ,
Founder,
Aaradhya Associates,
Virar.

Sub: Invitation as a Judge of Project Competition.

Respected Sir,

VIVA Institute of Technology established in the year 2009, 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 the nation. The institute is affiliated to the University of Mumbai and approved by AICTE, New Delhi, and DTE, Govt. of Maharashtra. It offers courses such as Mechanical, Electrical& Computer, Electronics & Telecommunication, Civil, Computer Engineering, Computer Science & Engineering (Artificial Intelligence & Machine learning), M.C.A. and M.E.in Mechanical (Manufacturing Systems Engg.)

This institute believes in empowering young students through rigorous curriculum, students participation in R & D, mentor system, value added programs and strong industrial interface.

I am pleased to invite you as a Judge for the Project Competition AAKAR 2K25 organized by Civil Engineering Department. Schedule of the Competition will be on 4th April 2025 Saturday at 9:00 am onwards. Your expertise and presence will significantly enrich the discussions and enhance the learning experience for all the participants.
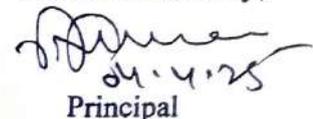
Looking forward to your positive response and hope to have the privilege of hosting you at AAKAR 2K25

Thanking You.
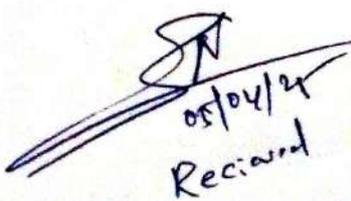
Yours Faithfully,

04.4.25
Principal

05/04/25
Recieved

180

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VIVA Institute of Technology

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and Affiliated to University of Mumbai

No. : VIVA / VIT / 6813 / 2024-25

Date : 05|04|201

To,

Mr. Abhijit Wasave,
Founder, Aaradhya Associates,
Virar East.

Subject: <u>Letter of Appreciation.</u>

Respected Sir,

We are grateful to you for your valuable time and effort for gracing us as a guest judge. The CIVIL Engineering department thanks you for being a part of **"Project Competition AAKAR 2K25"** on **5th April 2025** at VIVA Institute of Technology, CIVIL Engineering Department.

Hope for similar support in the future too.

Thanking you.

Yours faithfully,

05. 4. 2025

Dr. Arun Kumar
Principal

At Shirgaon
Post Virar,
Tal.: Vasai,
Dist : Palghar.

VIRAR (EAST)

05/04/25 Recieved

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

Invitation for Imperia Project Competition 2024-25 `External` `Inbox ×`   ✕ 🖨 ⧉

CSI VIVA-TECH <csi.comps@viva-technology.org>   Mar 30, 2025, 3:31PM ☆ ↩ ⋮
to priyankapatil@vivacollege.org ▼

To,
Dr. Priyanka Brid,
Department of Information Technology,
VIVA College.

Respected Mam,

   I hope this message finds you well. I am writing to invite you to be a **judge** for an upcoming engineering project competition **Imperia**. As someone who is highly respected in the field of engineering, we would be honored to have you as a judge for this event.

   The competition will feature some of the brightest and most innovative engineering projects from students who are eager to showcase their skills and talents. As a judge, you would have the opportunity to evaluate and provide feedback on these projects, helping to inspire and motivate the next generation of engineers.

   The event will be held on **5th April 2025** at **VIVA Institute of Technology, Virar East** starting from **9 AM**. We anticipate that it will attract a large audience of engineering enthusiasts and professionals. Your expertise and knowledge in the field of engineering would be invaluable to this event, and we would be grateful for your participation.

   If you are interested in accepting this invitation, please let me know at your earliest convenience. I would be happy to provide you with additional information about the event, including the judging criteria and format.

   Thank you for your consideration, and we hope to hear from you soon.

Regards,
CSI VIVA-Tech

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

Invitation for Imperia Project Competition 2024-25 External Inbox x

CSI VIVA-TECH <csi.comps@viva-technology.org>   Sun, Mar 30, 3:30 PM
to gaurivartak@vivacollege.org

To,

Dr. Gauri Vartak,

Department of Information Technology,

VIVA College.

Respected Mam,

I hope this message finds you well. I am writing to invite you to be a **judge** for an upcoming engineering project competition **Imperia**. As someone who is highly respected in the field of engineering, we would be honored to have you as a judge for this event.

The competition will feature some of the brightest and most innovative engineering projects from students who are eager to showcase their skills and talents. As a judge, you would have the opportunity to evaluate and provide feedback on these projects, helping to inspire and motivate the next generation of engineers.

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Regards,
CSI VIVA-Tech

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

NOTICE

Ref No. VIT/COMP/CSI-18   Date: 27/03/2025

We, hereby inform that the Department of Computer Engineering along with CSI VIVA-Tech has organized Inter-collegiate project competition **"Imperia 2025"** on **05/04/2025** for the students of SE, TE and BE of Department of Computer Engineering.
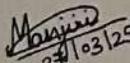
Students may refer to the rule book attached for the details of the competition. For registration, scan the following QR code. All students are requested to show maximum participation in this event.
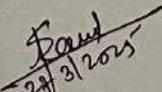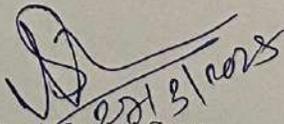
Registration Link   Rule Book Link

Manjiri Mhatre
CSI Chairman

Akshata S. Raut
CSI In-Charge

Dr.Ashwini Save
HOD,
Computer Engineering

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

Report on Event(Imperia 2025) 2024-25

Date: 5th APRIL 2025

Time: 10.00 AM onwards

Venue: VIVA Institute of Technology

Event: Imperia 2025

No of participants: 79

The CSI-VIVA successfully organized the event "Imperia 2025" on 5th April at the Computer Engineering Department, VIVA Institute of Technology. Imperia is an event where students from the department present their major and mini projects, offering them an exceptional platform to showcase their technical skills and innovative ideas. The event encourages students to work on practical and creative projects, helping them enhance their knowledge while boosting their confidence.

This program, initiated by CSI-VIVA, has been successfully organized for the fifth consecutive year. Participants were required to submit their abstracts in advance, with the final selection based on the relevance and quality of their projects. Each project was allocated 5 minutes for presentation, followed by a question-and-answer session with the panel of judges. The judges, consisting of esteemed faculty members, evaluated the projects based on innovation, practical application, and presentation quality.

The judges were impressed with the high level of creativity and technical expertise displayed by the participants, praising the students for their innovative ideas and well-executed projects. Constructive feedback was also provided to help the participants refine their future projects and foster further growth in their technical skills.

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

The intercollegiate project competition proved to be an excellent opportunity for students to showcase their talents and gain valuable insights from other participants' projects. It not only allowed them to present their work to a broader audience but also provided a platform to learn from others and broaden their perspective.

Overall, Imperia 2025 was a valuable learning experience for the students, providing them with new insights and skills that will be beneficial throughout their academic and professional journeys. The event saw a large participation from the department staff and students of SE, TE, BE, and Diploma in Computer Engineering, making it a great success.

Overall it was a Knowledgeable Event.

Thanking You

Manjiri Mhatre	**Prof. Akshata S. Raut**	**Prof. Ashwini Save**
CSI Chairman	CSI In-charge	HOD, Computer Engineering

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

EVENT PHOTOS:

Vishnu Waman Thakur Charitable Trust's

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

Attendance:

IMPERIA 2025

Group No.	Class	Name of Member 1	Sign	Name of Member 2	Sign	Name of Member 3	Sign
T1	Diploma	Rudraksh Rakesh Zodage		Adarsh Mishra		Atharva Bari	
T2	Diploma	Harsh Bhaskar Chorghe		Vinayak Saindane		Jason carvalho	
T3	Diploma	bhargav raut		ronit gharat	Ab	harshad rade	
T4	Diploma	Jayesh Patil		Ganesh Saknure		Shravani Chavan	
T5	Diploma	Aditya Anand Fandate		Samruddhi Hemant Raut		Dipesh Arjun Shinde	
T6	SE	Omkar Chaudhari		Prachiti Patil		Chirag Bhoir	
T7	SE	Ketan Sarnobat		Shivangi Prajapati		Nikita Sawant	
T8	SE	Hrishee Ramkaran Prajapati	Ab	Adarsh Pathak	Ab	Vinit Haribansh Prajapati	Ab
T9	SE	Ketan Sarnobat		Mahil Kadam		Harshal Palaye	
T10	TE	Harsh Vijay Tambe		Om Santosh Wagh		Rushikesh Sandip Patil	
T11	TE	Divesh Rammurti Pandey		Shaikh Md Tauheed		Kartik Anil More	
T12	TE	Archie Chetan Patil		Pooja Ganesh Narkar		Pradnya Rajkumar Lohar	
T13	TE	Sujal Jagdish vishwakarma		Anshu Awadhesh Jaiswal			
T14	TE	Adarsh Pandey	Ab	Priyanshu Tripathi	Ab	Kartik Yadav	Ab
T15	TE	Om mohan koli		Hamza akil khan		Harsh deepak jethwa	
T16	TE	Hrushikesh bhavsar	—	Prashant Patil	—	Swami Chaudhari	—
T17	TE	Hrushikesh bhavsar		Prashant Patil		Swami Chaudhari	

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DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

IMPERIA 2025

Group No.	Class	Name of Member 1	Sign	Name of Member 2	Sign	Name of Member 3	Sign
G-1	BE	Raj Gopal Utekar		Amitesh Amarbahadur Yadav		Shivam Amritlal Yadav	
G-2	BE	Ankit Chaudhary		Vinayak Mishra		Durvesh Kasar	
G-3	BE	Neha Hosbet		Aparna Rane		Rahul Prajapati	
G-4	BE	Anant Chawda		Manjiri Mhatre		Pritesh Dolai	
G-5	BE	DARSHAN DHAMODE		MD DANISH SHAIKH		RANJIT NARLYA	
G-6	BE	Dhruv Gawade		Ayush Bhoir		Pratham Juvekar	
G-7	BE	Suruchi Sharad Sawant		Khushbu Hiralal Pasi		Madhu Lalbabu Thakur	
G-8	BE	Saksha Gotad		Mahesh Bhandari		Aaryan Gharat	
G-9	BE	vandan tambe		bipin chauhan		sahil manjrekar	
G-10	BE	Shreya Abhitab Raut		Yukti Kailash Payak		Nistha Bharat Bhau	
G-11	BE	VAISHNAVI PISAL		SAHIL KADAM		AASMI JUGARI	
G-12	BE	Sona Bhoir		Inshaal Shaikh		Omkar Singh	
G-13	BE	Sudhir Bhujang Rathod		Anujkumar Ramchandra Yadav		-	
G-14	BE	Dilip Yadav		Luvkush Gupta		Premanshu Sharma	
G-15	BE	Rutika Patel		Kanchan Varma		Siddhi Jadhav	

Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)
Shirgoan, Kumbharpada, Virar(E), Taluka-Vasai-401305, Phone no:7770002544 Website: www.viva-technology.org
DEPARTMENT OF COMPUTER ENGINEERING
CSI VIVA-TECH

Appreciation Letter:

Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE, New Delhi, DTE, Government of Maharashtra and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur — President
Ms. Aparna P. Thakur — Secretary
Dr. Arun Kumar — Principal

Date : 05-04-2025

Ref. No. : VIVA / VIT / 6805 / 2024-25

To,
Dr. Priyanka Brid,
Assistant Professor,
Department of Information Technology,
VIVA College of Arts, Commerce & Science,
Virar (West),
Maharashtra, 401303.

Subject: **Letter of Appreciation**

Respected Madam,

We are grateful to you for your valuable time and effort for evaluating the projects registered for "Imperia 2025" project competition organized by the Department of Computer Engineering along with CSI VIVA-Tech for Computer Engineering students on 5th April, 2025 at 09:00 am onwards. Your valuable insights and feedback not only helped in fair evaluation but also provided us with meaningful learning opportunities. Your dedication to supporting innovation and encouraging participants is truly commendable. Thank you for your contribution to making this event a success!

Hope for similar support in future too.

Thanking You.

Yours faithfully,
5.4.2025
Dr. Arun Kumar
Principal

Received
Brid

VIVA Technical Campus, At. Post Shirgaon, Virar (East), Dist. Palghar - 401 305.
Tel. :77700 02544 ✦ Web Fax : 9122 3916 7294 ✦ Website : www.viva-technology.org
E-mail : contact@viva-technology.org / principal@viva-technology.org

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Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE, New Delhi, DTE, Government of Maharashtra and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur — President
Ms. Aparna P. Thakur — Secretary
Dr. Arun Kumar — Principal

Date : 05-04-2025

Ref. No. : VIVA / VIT / 6804 / 2024-25

To,
Dr. Gauri Vartak,
Assistant Professor,
Department of Information Technology,
VIVA College of Arts, Commerce & Science,
Virar (West),
Maharashtra, 401303.

Subject: **Letter of Appreciation**

Respected Madam,

We are grateful to you for your valuable time and effort for evaluating the projects registered for "Imperia 2025" project competition organized by the Department of Computer Engineering along with CSI VIVA-Tech for Computer Engineering students on 5th April, 2025 at 09:00 am onwards. Your valuable insights and feedback not only helped in fair evaluation but also provided us with meaningful learning opportunities. Your dedication to supporting innovation and encouraging participants is truly commendable. Thank you for your contribution to making this event a success!

Hope for similar support in future too.

Thanking You.

Recvd
08/04/25

Yours faithfully,
05.4.2025
Dr. Arun Kumar
Principal

VIVA Technical Campus, At. Post Shirgaon, Virar (East), Dist. Palghar - 401 305.
Tel. :77700 02544 ✦ Web Fax : 9122 3916 7294 ✦ Website : www.viva-technology.org
E-mail : contact@viva-technology.org / principal@viva-technology.org

VIVA Institute of Technology

Shirgaon, Veer Sawarkar Road, Virar(East), Palghar District – 401305

Telephone: 7770002544, Website- www.viva-technology.org

Department of Electrical Engineering

TECHNOVATION 2025

Date :- 08 April 2025

Project Exhibition / Project Competition
Academic Year 2024-25

Department of Electrical Engineering, VIVA Institute of Technology, Virar conducted a Project Exhibition / Project Competition on 05-Apr-2025

Total 17 groups participated in the Exhibition from across various institutes. The display of projects was arranged at four different venues. AC Machine lab, Power Electronics lab, Measurement lab and communication lab on 1st floor, Electrical engineering department.

Various industry person also attended the project exhibition and appreciated students for their good work and also gave their feedback to students on various projects.

Department of Electrical Engineering

TECHNOVATION 2025

Date :- 08 April 2025

Major Project Winners

Rank :- 1st

Topic - Battery Health Monitoring - Hybrid Charging Station With On Board BMS

Lade Bhavesh Kishorchandra Vanita

Gotarane Tanay Mahendra Monika

Kargutkar Omkar Vijay Meenal

Khandzode Sahil Gajanan Archana

Rank :- 2nd

Topic - PLC SCADA Programming Using for Automation purpose

Parsekar Viraj Pandharinath Mrunmai

Gavali Rahul Ramesh Ravina

Nishad Hariom Satish Kumar Anita

Rank :- 3rd

Topic - Grain Weevil Robot

Yadav Shivam Vijayprakash Hiravati

Urumkar Kartik Shreedhar Shraddha

Parulekar Siddhant Sunil Sonali

Department of Electrical Engineering

TECHNOVATION 2025

Date :- 08 April 2025

Mini Project Winners

Rank :- 1st

Topic - ECO GRIP

Abhishek Ramane

Nishita Shah

Nidhi Pal

Rank :- 2nd

Topic - Smart Water Dispenser

Shashank Waghela

Ankush Tare

Nitin Vishwakarma

Jinesh Sane

Rank :- 3rd

Topic - Parking Spot finder

Nandkishor Gupta

Nilay Bhoir

Shreyash Chavan

Prathamesh Tawade

Department of Electrical Engineering

VIVA-VIT/Elect/ 070 /2024-25   Date - 17/03/2025

Notice

All the Students of the Electrical Department are hereby informed that the Project Competition **Technovation 2k25** is scheduled for 05/04/2025. All are informed to register using the Google Form mentioned below on or before 28/03/2025, Friday.

Google Form Registration link	https://docs.google.com/forms/d/e/1FAIpQLScSRVFHM1_fYLTcozhx_qyBOKxw-C_6ppE0Wm-_2fChrQgrrQ/viewform?usp=header	

Bhushan Save
H.O.D.
Electrical Engineering

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VIVA Institute of Technology

Department of Electrical Engineering
TECHNOVATION 2025

Venue 1 (B 102)

AC MACHINE LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
ELE 06	Prathmesh Suresh Mandavkar	Portable Battery Swapping / Charging Station For 2-Wheeler
ELE 08	Sharvesh Gaykar	Portable Earthing
Technovation MP 04	HRUTIK PATIL	Under Voltage & Over Voltage Protection System For A Single Phase Induction Motor
Technovation MP 07	Meet Hareshbhai Kava	LASER-BASED MOTOR SPEED MEASURE & CONTROL

Venue 2 (B 103)

POWER ELECTRONICS LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
ELE 07	Nikhil Kisan Divekar	Bore well Motor Burnout Prevention
ELE 04	Bhavesh Lade	"Optimizing Hybrid Solar EV Charging Station with Onboard EV Battery Management System"
ELE 05	Prasad Mirgal	Energy Audit And Motor Failure Forecasting
ELE 13	Saheel Thakur	Remotely patient health monitoring system
ELE 03	Viraj P. Parsekar	PLC Automation System for Production Line

Department of Electrical Engineering
TECHNOVATION 2025

Venue 3 (B 104)
MEASUREMENT LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
Technovation MP 01	Nandkishor Gupta	Parking Spot finder
Technovation MP 02	Abhishek Ramane	ECO GRIP
Technovation MP 03	Manad Patil	Crop Based automatic water irrigation system
ELE 10	Naved siddiqui	Blind spot safety with thermal image processing
ELE 09	Abinash paikaray	Home automation system
Technovation MP 06	Ankita Lihitkar	Waste Sorting Machine

Venue 4 (B 106)
COMMUNICATION LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
ELE 11	Shivam Yadav	Grain weevil Robot
ELE 02	Gupta Omprakash Lalji	FLOATING SUN TRACKER HYDRAULIC SOLAR PANEL
ELE 01	Roshan joil	Power Grid Failure Detection Using Voltage And Frequency Monitor
ELE 12	Kumar Sanjeev Rampal	Energy Generating Using Of Door Closer
Technovation MP 05	Shashank Waghela	Smart Water Dispenser

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VIVA Institute of Technology

Shirgaon, Veer Sawarkar Road, Virar(East), Palghar District – 401305

Telephone: 7770002544, Website- www.viva-technology.org

Department of Electrical Engineering
TECHNOVATION 2025

Major Project Attendace sheet

Date:- 05 April 2025

Sr. No	Name of Students	Title of the project	Name of the Institute	Sign
ELE 01	Joil Roshan Shamsundar Bhagyashree	Power Grid Failure Detection Based On Voltage And Frequency	VIVA Institute of Technology, Virar.	Joil
	Pawaskar Haresh Krishna Keshari			AB
	Tatkari Harshad Vijay Vijaya			
	Bhosale Chetan Sadanand Shalan			Bhosale
ELE 02	Gupta Omprakash Lalji Phoola	Floating Sun Tracker Hydrolic Solar Panel	VIVA Institute of Technology, Virar.	AB
	Shukla Suraj Shyamdhar Aarti			AB
	Pawar Ashish Mahendra Shubhangi			Pawar

ELE 03	Parsekar Viraj Pandharinath Mrunmai	PLC SCADA Programming Using for Automation purpose	VIVA Institute of Technology, Virar.	Viraj
	Gavali Rahul Ramesh Ravina			
	Nishad Hariom Satish Kumar Anita			

ELE 04	Lade Bhavesh Kishorchandra Vanita	Battery Health Monitoring - Hybrid Charging Station With On Board BMS	VIVA Institute of Technology, Virar.	
	Gotarane Tanay Mahendra Monika			
	Kargutkar Omkar Vijay Meenal			
	Khandzode Sahil Gajanan Archana			
ELE 05	Mirgal Prasad Umesh Pooja	Energy Audit And Motor Failure Forecast	VIVA Institute of Technology, Virar.	
	Gawade Pratik Pandurang Priyanka			
	Kirve Prathamesh Murlidhar Madhuri			

ELE 06	Mandavkar Prathmesh Suresh Surekha	Portable Battery Swapping / Charging Station For 2 Wheelers	VIVA Institute of Technology, Virar.	
	Mestry Vedang Pravin			
	Patari Pranay Yashwant Anita			

ELE 07	Divekar Nikhil Kisan Kiran	Borewell Motor Burn Out Prevention	VIVA Institute of Technology, Virar.	
	Jadhav Omraj Sanjay Madhuri			
	Mehta Vishal Mukesh Kavita			
	Gurod Kunal Krishna			
ELE 08	Gaykar Sharvesh Shyam Shyamali	Portable Earthing	VIVA Institute of Technology, Virar.	AB
	Dhayalkar Rahul Shyamsunder Shobha			AB
	Pawar Rushikesh Shashikant Meena			AB

05/04/25
Ashit R. Nair

Mose
05/04/25
Harthik Mose

Rahul Abhyankar.

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VIVA Institute of Technology

Shirgaon, Veer Sawarkar Road, Virar(East), Palghar District – 401305

Telephone: 7770002544, Website- www.viva-technology.org

Department of Electrical Engineering
TECHNOVATION 2025

Major Project Attendace sheet

Date:- 05 April 2025

Sr. No	Name of Students	Title of the project	Name of the Institute	Sign
ELE 09	Paikaray Abinash Nabaghan Sujata	Home Automation For Light, Fans Using Micro Controller	VIVA Institute of Technology, Virar.	
	Jadhav Suresh Ashok Kanta			Jadhav
	Bandre Pranay Parshuram Pallavi			Bandre
	More Sameer Ramesh Reshma			AB
ELE 10	Siddiqui Naved Shahid Akhtar Nasreen	Blind Spot Safety With Thermal Imaging For Heavy Vehicle	VIVA Institute of Technology, Virar.	AB
	Pawar Manas Rajesh Rutuja			Manas
	Patil Pratik Ramesh Rashmi			

ELE 11	Yadav Shivam Vijayprakash Hiravati	Grain Weevil Robot	VIVA Institute of Technology, Virar.	
	Urumkar Kartik Shreedhar Shraddha			AB
	Parulekar Siddhant Sunil Sonali			

ELE 12	Kumar Sanjeev Rampal Sushma	Energy Generation Using Door Stoppers	VIVA Institute of Technology, Virar.	pal
	Darnule Arun Kiran Anita			Aarun
	Dhodare Nivid Surendra			Dhodare

ELE 13	Thakur Saheel Lochan Leena	Remotely Operated Health Monitoring System For Patients	VIVA Institute of Technology, Virar.	S.Thakur
	Shinde Rushikesh Dashrath Dipti			AB
	Fatnaik Ashish Uday			AB

ELE 14				
ELE 15				
ELE 16				

05-04-25
Ashit R.Nair

05-4-25
Karthik More

Rahul Abhyankar.

Department of Electrical Engineering
TECHNOVATION 2025
Mini Project Attendace sheet

Date:- 05 April 2025

Sr. No	Name of Students	Title of the project	Name of the Institute	Sign
Technovation MP 01	Nandkishor Gupta	Parking Spot finder	VIVA Institute of Technology, Virar.	N.Kgupta
	Nilay Bhoir			@NBhoir
	Shreyash Chavan			
	Prathamesh Tawade			Prathamesh
Technovation MP 02	Abhishek Ramane	ECO GRIP	Atharva COE	
	Nishita Shah			Nishitashah
	Nidhi Pal			Nidhi
Technovation MP 03	Manad Patil	Crop Based automatic water irrigation system	VIVA Institute of Technology, Virar.	AB
	Abhishek Rajbhar			AB
	Naresh Salunkhe			AB
	Saurabh Mohade			AB
Technovation MP 04	Hrutik Patil	Under Voltage & Over Voltage Protection System For A Single Phase Induction Motor	VIVA Institute of Technology, Virar.	AB
	Kunal Deshmukh			AB
	Rajesh Yadav			AB
	Hemant Kumbhar			AB
Technovation MP 05	Shashank Waghela	Smart Water Dispenser	VIVA Institute of Technology, Virar.	Shashank
	Ankush Tare			
	Nitin Vishwakarma			
	Jinesh Sane			SANE
Technovation MP 06	Ankita Lihitkar	Waste Sorting Machine	VIVA Institute of Technology, Virar.	Ankita
	Samidha Parab			Bipd
	Bhavik Patil			B.S.Pati
	Yash Devrukar			
Technovation MP 07	Meet Hareshbhai Kava	LASER-BASED MOTOR SPEED MEASURE & CONTROL	VIVA Institute of Technology, Virar.	AB
	Ratan Bahadur Kunwar			AB
	Tejas Mahesh Pandya			AB
	Keshav Sachidanand Singh			AB.
Technovation MP 08				
Technovation MP 09				
Technovation MP 10				
Technovation MP 11				

Ashit R. Nair

Mor
05-4-25
Hrithik More

Rahul Abhyankar.

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Shirgaon, Veer Sawarkar Road, Virar(East), Palghar District – 401305

Telephone: 7770002544, Website- www.viva-technology.org

Department of Electrical Engineering

TECHNOVATION 2025

Feedback Analysis

Date :- 08 April 2025

Sr. No.	Parameters	Feedback
1	Staff co-ordination with participants	3.6
2	Arrangement of equipment by participants	3.57
3	Venue arrangement	3.47
4	Overall time management	3.6
5	Overall rating of TECHNOVATION 2025	3.67
6	Would you like to recommend our future project competition to your friends?	4

Project Coordinator

Prof. Rahul Abhyankar

H.O.D

Prof. Bhushan Save

Vishnu Waman Thakur Charitable Trust's
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At- Shirgaon, Post-Virar (E.), Tal-Vasai, Dist-Palghar – 401 305
Tel.: 777 000 2544 • Website : www.viva-technology.org
E-mail: contact@viva-technology.org / principalvit@vivacollege.org

ELECTRONICS AND TELECOMMUNICATION

CONVERGENCE   2025

Name	:	Mr. Prince Gautam
Designation	:	Deputy Manager-Electronics Design
Company Details	:	Godrej and Boyce Manufacturing Company Ltd., Plot 13
		Annexe, Pirojshanagar, Vikhroli,
		Mumbai 400079
Email Id	:	princeg3618@gmail.com
Mobile	:	+91 7506045484

Programme Details:

   Oscillations-Convergence 2025 is an inter collegiate event which include different track as Major project , Minor project , Poster making and Reel making competition. Various colleges took part in the competition. Students of EXTC branch were competing in 4 fields of competition at VIVA Institute of Technology.

   The major project competition was organised specially for the BE students who showcased their final major projects. In the minor project competition TE and SE students were competing. In poster making competition students showcased their projects in the form of attractive posters which provided information about their projects. Reel making competition was an interesting one and was judged on the basis of virality factor of the video.

   Indeed it was an amazing event where different projects related to different topics were at display like robots, IOT based, drones, software based systems. The event ended with the deserving projects winning exciting cash prizes. Total 66 participants participated. Registration was done form 3 external colleges.

Photos

Vishnu Waman Thakur Charitable Trust's
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At- Shirgaon, Post-Virar (E.), Tal-Vasai, Dist-Palghar – 401 305
Tel.: 777 000 2544 • Website : www.viva-technology.org
E-mail: contact@viva-technology.org / principalvit@vivacollege.org

Summary of OSCILLATIONS 2025

Major Project Competition: 9 Groups Participated
Minor Project Competition: 30 Groups Participated
Poster Competition: 22 Groups Participated
Reel Competition: 8 Groups Participated
No of students participated: 128

Department of Mechanical Engineering
MechXplore Project Competition

Date:	**05 / 04 / 2025**
Time:	**10.00 Onwards**
Event Coordinator:	**Mr. Pratik Raut and Mr. Priyank Vartak**
Student Coordinator:	**Sujal Pawar, Kshitij Pawar**

Programme Summary/Details:

The MechXplore project competition was organized by the Department of Mechanical Engineering at VIVA Institute of Technology on April 5th, 2025. The event provided students from various colleges an opportunity to present their project ideas to industry experts from different domains.

Dr. Niyati Raut, the HOD of Department of Mechanical Engineering, inaugurated the competition in the presence of participants and faculty members from the department. A total of 17 groups had registered for the Major Project category, and 12 groups had registered for the Mini Project category in the competition, which was judged by Mr. Pramod Shetty from "Sams TechnoMech Pvt. Ltd.".

The first prize in Major Project category was awarded to the project "Optimization of Crash Box By Changing it's Design & Material," while the second prize went to "Sanitary Pad Disposal Machine" and the third prize was shared between "Design and Development of Customized 3D Printed Knee Joint" and "Design and Fabrication IOT Based Automatic Kaju Katli Making Machine". Also, the first prize in Mini Project category was awarded to the project "A Demonstration of Portable EDM Machine" while the second and third prizes went to "Automatic Pet Feeder" and "Emergency Braking System" respectively.

Photos:

Guidance Sessions For Competitive Exams

VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

NAAC "B++" Accredited

Department of Computer Science and Engineering (AI & ML)

VIT/CSE(AI-ML)/57/ 2024-25   Date: 22/01/2025

We are hereby informed that the following guest lecture is arranged for students of TE CSE (AI & ML) to boost understanding of curriculum and to gain knowledge beyond curriculum.

Venue: Seminar Hall

Date	Time	Topic
23/01/2025	10:00 onwards	Employability Opportunities and Demands in IT Sector

Note: Rest of the schedule will be as per timetable. All students should come in Formals.

H.O.D.

Computer Sci. and Engg.(AI-ML)

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Ref. No. : VIVA / VIT / 6488 /2024-25

Date : 22·1·25

To,
Mr. Vishwa Mohan,
Founder & CEO,
AIMERZ
Bengaluru

Subject: Request for being resource person for Guest Lecture.

Respected Sir,

VIVA INSTITUTE OF TECHNOLOGY is approved by AICTE, New Delhi, and DTE, Maharashtra State and affiliated to the University of Mumbai. It nurtures a unique system of education for creating dynamic leaders for the corporate sector, entrepreneurs, academicians, researchers and professionals who contribute to the development of society and the nation. This institute believes in empowering young students through rigorous curriculum, students participation in R&D, mentor system, value added programs and strong industrial interface.
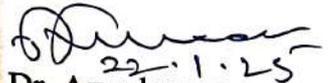
On behalf of Viva Institute of Technology, Computer Science and Engineering (AI & ML) department, we are organizing a Guest Lecture for our Third Year students. I am pleased to invite you as a resource person for the topic of " **Employability Opportunities and Demands in IT Sector** " on 23 January 2025. Your interaction with our students will be value adding and they will cherish your words throughout their lives.

Looking forward to your positive reply.

Thanking You.

Yours faithfully,

22·1·25
Dr. Arun kumar
Principal

VIVA Technical Campus, At. Post Shirgaon, Virar (East), Dist. Palghar - 401 305.
Tel. :77700 02544 ✦ Web Fax : 9122 3916 7294 ✦ Website : www.viva-technology.org
E-mail : contact@viva-technology.org / principal@viva-technology.org

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Ref. No. : VIVA / VIT / 6489 / 2024-25   Date : 23 · 1 · 2025

To,
Mr. Vishwa Mohan,
Founder & CEO,
AIMERZ,
Bengaluru.

Subject: Letter of Appreciation.

Respected Sir,

We are really grateful to you for your valuable time and effort for delivering a Guest Lecture on **"Employability Opportunities and Demands in IT Sector"** for our student of TE Computer Science and Engineering (AI & ML) Department on 23 January 2025.

Your session was very informative, knowledgeable and motivating. Our students will cherish your value by adding words in their hearts.

Hope for similar support in future too.

Thanking you.

Yours faithfully,

Dr. Arun kumar
Principal

VIVA Technical Campus, At. Post Shirgaon, Virar (East), Dist. Palghar - 401 305.
Tel. :77700 02544 ✦ Web Fax : 9122 3916 7294 ✦ Website : www.viva-technology.org
E-mail : contact@viva-technology.org / principal@viva-technology.org

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Department of Computer Science Engineering (AI &ML)

Topic Name:	**Employability Opportunities and Demands in IT Sector**
Name of the Guest Speaker:	**Mr. Vishwa Mohan**
Designation:	**Founder and CEO**
Organization/Institution:	**AIMERZA, Bengaluru**
Date:	**23 January 2025**
Time:	**11:00 am onwards**

Programme Summary/Details:

The department of CSE(AI&ML) Engineering of VIVA institute of technology organized a workshop on "**Employability Opportunities and Demands in IT Sector**" Third year students of CSE department participated in the event. The team member give the information about future scope in IT Sector. How to improve your skills in programming sector.

Course Coordinator: Karishma Raut

Photos:

Vishau Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virrr (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

Department of Computer Science and Engineering (AI & ML)

Guest Lecture / Seminar/ Guidance Session

ATTENDANCE RECORD

Date: 23|01|2025   Time: 10:00 am   Class & Branch: CSE(AI&ML)

Topic: Employability Opportunities & Demands in IT sector

SR.NO	Name	SIGN	SR.NO.	Name	SIGN
1	Prashik. Ubale	Ubale	21	Mohd Yasin Khan	Khan
2	Vidhi Bhoir	Vidhi	22	Viraj Bane	Viraj
3	Anant Mishra	Anant	23	Soham Bane	S.D Bane
4	Bhaumik Mhatru	Bhatru	24	Mohammad samir Khan	Samir
5	Jayshree Pawar	Pawar	25	Mohammed Usmani	Md
6	Jatin Jethu	Jethu	26	Kiran phadolatare	P
7	Mahek shaikh	Mhaikh	27	Omkar Mestry	Mesty
8	Rashmi Borse	Borse	28	Saloni Salvi	Salvi
9	Shravani kadam	Kadam	29	Chocya Ghadi	Ghadi
10	Janhavi Morajkar	Jhs	30	Kashish Ghadi.	Ghadi
11	Greeshma Raut	Raut.	31	Harsh Vartale	Vtale
12	Harsh Jadhav	HJadhav	32	Anand som	anand
13	yadav. alok.	Ao	33	Swarup S. Thakur	Thake
14	Akash yadav	A	34		
15	Dev kumar	Dev	35		
16	Maurya Aman R.	Aman	36		
17	Vivek D. Sapkale	Vivek	37		
18	Jamil Qubey	Au	38		
19	Dev Bhati	Bhati	39		
20	KARAN KALE	Kale	40		

Guest Sign: Vaishnav

HOD: Raut

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Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org

Department of Computer Science and Engineering (AI & ML)

Guest Lecture / Seminar/ Guidance Session

ATTENDANCE RECORD

Date: 23/01/2025   Time: 10:00 am   Class & Branch: CSE(AI&ML)

Topic: Employability Opportunities & Demands in IT sector

SR.NO	Name	SIGN	SR.NO.	Name	SIGN
1	Prashik. Ubale	Qubale	21	Mohd Yasin Khan	Khan
2	Vidhi Bhoir	Vidhi	22	Viraj Bane	Viraj
3	Anant Mishra	Anant	23	Soham Bane	S.D.Bane
4	Bhaumik Mhatre	Bhatre	24	Mohammad Samir Khan	Samir
5	Jayshree Pawar	Pawar	25	Mohammed Usmani	Mus
6	Jatin Jethva	Jet	26	Kiran Phaolatare	P
7	Mahek shaikh	Mshaikh	27	Omkar Mestry	Mesty
8	Rashmi Borse	Borse	28	Saloni Salvi	ssalvi
9	Shravani kadam	Skadam	29	Shreya Ghadi	SGhadi
10	Janhavi Morajkar	Jhs	30	Kashish Ghadi.	KGhadi
11	Greeshma Raut.	GRaut	31	Harsh Vartak	Lhat
12	Harsh Jadhav	HJadhav	32	Anand Soni	anand
13	Yadav. alok.	Ap	33	Swarup S. Thakur	Thaku
14	Akash yadav	A	34		
15	Dev kumar	Dev	35		
16	Maurya Aman R.	Aman	36		
17	Vivek D. Saplale	Vivek	37		
18	Jamil Dubey	MD	38		
19	Dev Bhati	Dbhati	39		
20	KARAN KALE	Kale	40		

Guest Sign: Vaishnav   Raut HOD:

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