



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

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7.2 Best Practices





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PRINCIPAL

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
VIVA INSTITUTE OF TECHNOLOGY





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Best Practice- I
Tech-Essence: Innovates, Competes and Inspires

Department (name of Technical Magazine)	Link for the Technical Magazine
01. Electronics and Telecommunication Department (Viva-Converge)	https://www.viva-technology.org/New/Viva-Converge2024-ready/vol1issue8.pdf
02. Computer Engineering Department (TECH-NEXT)	https://www.viva-technology.org/New/wp-content/uploads/2024/12/Volume-8-Issue-1-Jan-June-2023.pdf
03. Mechanical Engineering Department (Inertia)	https://www.viva-technology.org/New/wp-content/uploads/2024/12/Mech-Magazine-Inertia-2023-24.pdf
04. MCA department (TechPillar)	https://online.fliphtml5.com/uixvk/kids/?1721830222390#p=1
05. Electrical Department (Electrotrend)	https://www.viva-technology.org/New/wp-content/uploads/2024/08/ELECTROTREND-2023-24.pdf





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No. of Magazine Issues: Vol 1 issue 8

No. of articles: 16





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No. of articles: 15





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No. of articles: 06





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No. of articles: 12





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No. of Magazine Issues: Edition 7

No. of articles: 11





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Best Practice- II

Knowledge Nexus: cultivating knowledge and sharing innovation





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Ref. No. VIVA VIT / 1291 / 2023-2024

Date: 16/03/2024

NOTICE

All the teaching, non-teaching staff members and students of VIVA Institute of Technology are hereby informed that the Intercollegiate Project Exhibition cum competition will be held on 5th April 2024 (Friday).

All HOD's are requested to plan accordingly.

Venue: Respective Department.



Dr. Arun Kumar
Principal
Dr. Arun Kumar

Cc to:

All HODs - (FE / Comp / Civil / CSE (AIML) / EXTC / Electrical /
Mechanical/ MCA)

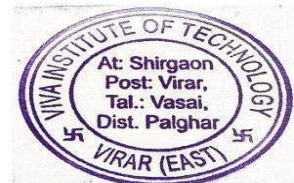
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COMPUTER ENGINEERING

Event Details:

- Event Name: Imperia
- Event Date: 6th April, 2023
- Participants: SE/TE/BE
- Event Mode: Offline
- Time: 9:00 am onwards
- Program Coordinators: Prof. Akshata Raut, CSI committee

Objectives: To introduce students to real-world engineering situations and encourage to develop solutions for Technological advancements, create opportunity to the students to exhibit their technical, communication skills, research orientation and project management skills

Instructions:

- SE, TE and BE students from Viva of Institute of Technology are encouraged to participate in the 2023 IMPERIA project competition.
- Each project should include the following criteria:
 - Problem Statement: What problem is the project trying to solve?
 - Approach to Solving the Problem: What approach using Technology/Engineering mindset is used to solve the problem?
 - Implementation: Demonstrate that the project works and solves the problem. Further explanation/questioning at in-person event for the judges the following week at the event.





- Each competing team will have a 20-minute time block for its live presentation. The time will be precisely divided as outlined below.

Presentation Time-Block

- 15 minutes (live presentation)
- 5 minutes (question & answer session)

Equipment failure:

If a team's equipment ceases to operate due to certain reasons before/during/after competition that group's presentation will be taken at last.

Judging and Announcement of Awards:

- Student projects will be judged by a panel of engineering and technology faculty at Viva Institute of Technology. The judges will move through the room to view each project and ask questions to the individual or team working on the project.

- Awards will be announced later the same day. Cash Prize will be awarded to the

First Three winners:

- 1st Place
- 2nd Place
- 3rd Place
- Prize money and e-certificates to all winners and registered participants.





Photos





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CIVIL ENGINEERING DEPARTMENT

PROJECT EXHIBITION

AAKAAR 2K24



Department of Civil Engineering, VIVA Institute of technology conducted Project Exhibition/Project Competition on 05/04/2024.

Total 40 groups participated in the exhibition from across various institutes. The display of projects was arranged at 4 different venues. Environmental lab, survey Lab, Transportation lab, Geotechnical lab - Ground floor and in the main building.

Various Industry persons also attended the project exhibition and appreciated students for their good work and also gave their feedback to students on various Projects.



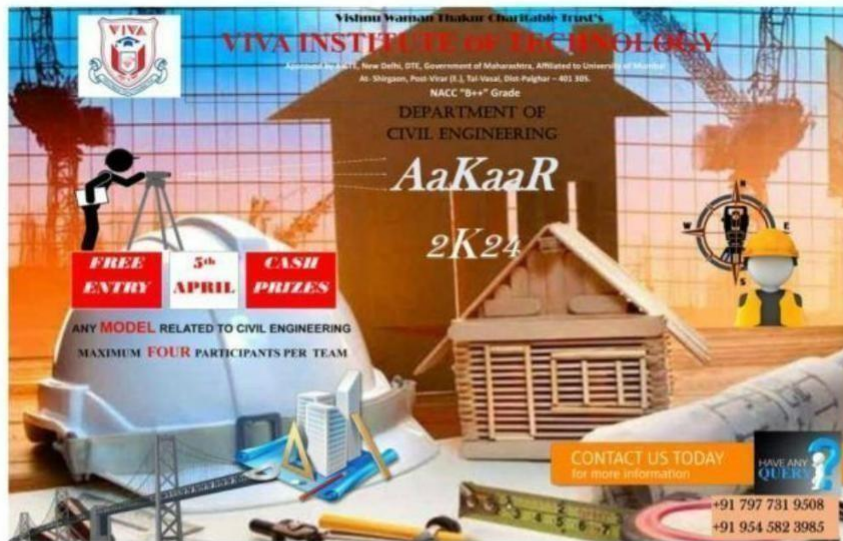


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CIVIL ENGINEERING DEPARTMENT



STUDENT AND FACULTY COORDINATOR





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CIVIL ENGINEERING DEPARTMENT



WhatsApp Video 2024-04-05

at 11.16.11 AM.mp4

INAUGURATION CEREMONY





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CIVIL ENGINEERING DEPARTMENT

PRIZE DISTRIBUTION





Topic Name:

Convergence: Project Competition

Name of the Judges:

Convergence: Project Competition

Name of the Judges:

Vinayak Mavarkar

Designation:

Vinayak Mavarkar

Designation:

Executive R & D

Organization/Institution:

Eos Power India pvt Ltd.

Date

05/04/2024

Programme Details:

Oscillations-Convergence 2024 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, and 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





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GPS Map Camera

Virar, Maharashtra, India

viva institute of technology Virar, Maharashtra 401303, India

Lat 19.473955°

Long 72.858463°

05/04/24 11:04 AM GMT +05:30



GPS Map Camera

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05/04/24 10:46 AM GMT +05:30





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Department Of Electrical Engineering

PROJECT EXHIBITION / PROJECT COMPETITION

ACADAMIC YEAR 2023-24

The Department of Electrical Engineering at VIVA Institute of Technology hosted a remarkable Project Exhibition/Project Competition on the 5th of April 2024. This event witnessed enthusiastic participation from 31 groups representing various institutes. The exhibition showcased innovative projects across four distinct venues: AC Machine Lab, Power Electronics Lab, Measurement Lab, and Communication Lab.

The event was graced by the presence of esteemed industrial professionals who actively engaged with the students' projects. Their presence added significant value to the event, providing students with insightful feedback and encouragement.





Major Project Winners

Rank	Name of Students	Title of Project	Name of Institute
1	Raj Mirani	SEMBIOT	St. Francis Institute of Technology.
2	Rewale Jay Pravin	Modular Electric Wheelchair for Handicap	VIVA Institute of Technology
	Shukla Harsh Rajesh		
	Saroj Raj Pradeep		
3	Naik Aakash Jitendra	Advance Prosthetic limb replicated bionic Arm for functional restoration of Amputies	VIVA Institute of Technology
	Solanki Sahil Trikam		
	Patil Shraddha Kailas		

Mini Project Winners

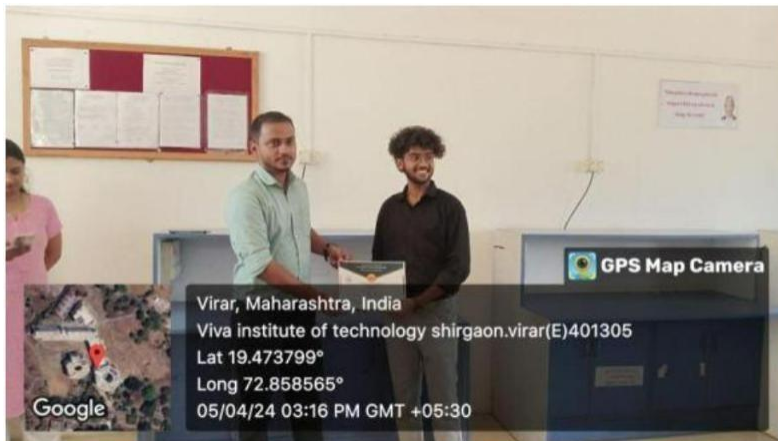
Rank	Name of Students	Title of Project	Name of Institute
1	Hardik Prajapati	Centralized Smart Home Dashboard for Real-Time Energy Monitoring & Seamless Control System	St. Francis Institute of Technology.
	Darpan Prajapati		
	Shardul Rane		
2	Prachi Madadkar	Surveillance Bot for hotspot Detection and switchyard monitoring	St. Francis Institute of Technology.
	Omkar More		
	Divyanshu Modi		
3	Yash Dube	Translate sign Language into Speech	VIVA Institute of Technology.
	Mrigal Prasad Umesh		
	Gawade Pratik		
	Kirve Prathamesh		
	Parsekar Viraj		





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Major Project Winner's

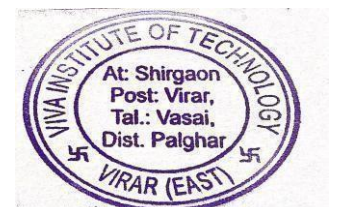


1st
Prize Winner

2nd
Prize Winner



3rd
Prize Winner





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Department Of Electrical Engineering

Mini Project Winner's

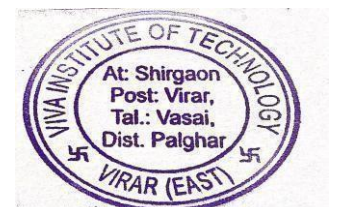


1st
Prize Winner

2nd
Prize Winner



3rd
Prize Winner





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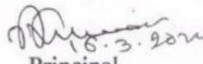
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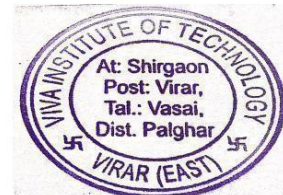

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Department of Electrical Engineering
TECHNOVATION 2024

VENUE DETAILS

VENUE	LOCATION	STUDENT COORDINATOR
VENUE 1	AC MACHINE LAB (B 102) (1st Floor Electrical Engineering Department)	Manas Pawar 8652007484
VENUE 2	POWER ELECTRONICS LAB (B 103) (1st Floor Electrical Engineering Department)	Pranay Gotarane 9028999684
VENUE 3	MEASUREMENT LAB (B 104) (1st Floor Electrical Engineering Department)	Sahil Thakur 8850127279
VENUE 4	COMMUNICATION LAB (B 106) (1st Floor Electrical Engineering Department)	Yash Bhoskar 9359214203

Prof. Rahul Abhyankar
Project Coordinator





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Department of Electrical Engineering
TECHNOVATION 2024

Venue 1 (B 102)

AC MACHINE LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
ELE 01	Bolke Rohan Ramesh	Load balancing smart distribution panel using IoT
ELE 02	Patil Hardik Padmakar	Enhancing IoT Integration with 3-Phase Induction Motor Protection System
ELE 10	Patel Adnan Nisar	IOT based smart Energy meter for monitoring and Theft detection
Technovation MP 04	Divekar Nikhil Kisan	Vertical wind turbine output system
Technovation MP 05	Patari Pranay Yashwant	Construction of 5KVA Stabilizer system
Technovation MP 06	Thakur Mihir	RPM Display for I.M & D.C Motor

Venue 2 (B 103)

POWER ELECTRONICS LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
ELE 15	Kesarkar Rohan H	Automated plant care and pet feeding system using iot based Android app
ELE 16	Dauda Aadesh Jana	Simulation of Hybride Inverter with battery charger using Solar & Wind Energy
ELE 17	Sahil Swapnil Patil	Iot based Wire cutter and Stripper Machine
ELE 18	Suyash Sanju Dalvi	Segregation of metal and non metal using deep learning and computer vision
Technovation MP 01	Mirgal Prasad Umesh	Translate sign Language into Speech
Technovation MP 02	Khandzode Sahil Gajanan	Solar water heater
Technovation MP 10	Roshan Joil	APFC Using Microcontroller





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Department of Electrical Engineering
TECHNOVATION 2024

Venue 3 (B 104)

MEASUREMENT LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
ELE 04	Rewale Jay Pravin	Modular Electric Wheelchair for Handicap
ELE 11	Sawant Siddhesh Kiran	P2P energy trading using Block chain
ELE 09	Chaudhari Vighnesh Sandesh	Gesture controlled Robot car by using Aurdino
Technovation MP 07	Gaykar Sharvesh Shyam	Coffee Vending Meachine
Technovation MP 08	Gawade Samruddh Soma	Wireless mobile charging
Technovation MP 09	Paikaray Abinash Nabaghan Sujata	Children and women sefty belt
Technovation MP 11	Rushikesh Pawar	Automatic Display linked with Spreadsheet for acadamic use

Venue 4 (B 106)

COMMUNICATION LAB (1st Floor Electrical Engineering Department)

Project Number	Student Name	Project Title
ELE 03	Kushwaha Sunny Jayprakash	Invelox turbine
ELE 05	Naik Aakash Jitendra	Advanced prosthetic limb replicated Bionic Arm for functional restoration of Amputies
ELE 06	Patel Jay Dilip	Aerial delivery of Life saving supplies
ELE 07	Ambat Sagar Santosh	Solar powered automatic sea side sentry for beach cleaner robot
ELE 08	Jadhav Aakash Kishor	ShoreCleanBOT : Automated Sea shore cleaner Robo to enchanche costal Sustainability
ELE 12	Late Deep Dilip	Smart Agriculture Robot with Sensor Monitoring Seed Sowing and Crop Prediction using Machine
ELE 13	Karwande Vivek Anil	SwimGuard: Robotic life saving assistance for Swimming Pool Rescue
ELE 14	Jadhav Rohan Eknath	Water Purification system us
Technovation MP 03	Lade Bhavesh Kishorchandra	Solar PV panel cleaninig Sys



Project Coordinator



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Department of Electrical Engineering
TECHNOVATION 2024
 Major Project Attendance sheet

Date:- 05 April 2024

Sr. No	Name of Students	Title of the project	Name of the Institute	Sign
ELE 01	Bolke Rohan Ramesh	Load balancing smart distribution panel using IoT	VIVA Institute of Technology, Virar.	R.R. Bolke
	Gupta Sumit Surajdin			Sumit
	Kadam Nikhil Vijay			Nadav
	NA			NA
ELE 02	Patil Hardik Padmakar	Enhancing IoT Integration with 3-Phase Induction Motor Protection System	VIVA Institute of Technology, Virar.	Hardik
	Pagdhare Anish Dilip			Anish
	Upadhyay Alok			AB
	Tamare Rhushikesh P			Rhushikesh
ELE 03	Kushwaha Sunny Jayprakash	Invelox turbine	VIVA Institute of Technology, Virar.	Sunny
	Ganve Alankar Govind			Alankar
	Singh Dinkar Rajesh			Dinkar
	NA			NA
ELE 04	Rewale Jay Pravin	Modular Electric Wheelchair for Handicap	VIVA Institute of Technology, Virar.	JPravin
	Shukla Harsh Rajesh			Shukla
	Saroj Raj Pradeep			Pradeep
	NA			NA
ELE 05	Naik Aakash Jitendra	Advanced prosthetic limb replicated Bionic Arm for functional restoration of Amputees	VIVA Institute of Technology, Virar.	Aakash
	Solanki Sahil Trikam			Sahil
	Patil Shraddha Kailas			Shraddha
	NA			NA
ELE 06	Patel Jay Dilip	Aerial delivery of Life saving supplies	VIVA Institute of Technology, Virar.	JPatel
	Panchal Dhruv Ashok			Dhruv
	Gohil Dhruv Atul			Gohil
	NA			NA
ELE 07	Ambat Sagar Santosh	Solar powered automatic sea side sentry for beach cleaner robot	VIVA Institute of Technology, Virar.	Sagar
	Raut Yash Kishor			Yash
	Bangar Hrushikesh Mangesh			Hrushikesh
	Patil Bhagyashri Prabhakar			Bhagyashri
ELE 08	Jadhav Aakash Kishtor	ShoreCleanBOT : Automated Sea shore cleaner Robot to enhance costal Sustainability	VIVA Institute of Technology, Virar	Aakash
	Vanare Rohan Tanaji			Rohan
	Varma Virendra Ramdev			Virendra
	NA			NA

Prof. Rahul Abhyankar

Ravankumar Jaiswal





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Department Of Electrical Engineering



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Department of Electrical Engineering
TECHNOVATION 2024
 Major Project Attendance sheet

Date:- 05 April 2024

Sr. No	Name of Students	Title of the project	Name of the Institute	Sign
ELE 09	Chaudhari Vighnesh Sandesh	Gesture controlled Robot car by using Aurdino	VIVA Institute of Technology, Virar.	
	Mhatre Prashant Manoj			
	Bind Jitendra Motilal			
	NA			NA
ELE 10	Patel Adnan Nisar	IOT based smart Energy meter for monitoring and Theft detection	VIVA Institute of Technology, Virar.	AB
	Mali Mitesh Vikas			
	Kadam Kunal Kishor			
	NA			NA
ELE 11	Sawant Siddhesh Kiran	P2P energy trading using Block chain	VIVA Institute of Technology, Virar.	
	Pashte Snehal Subhash			AB
	Gadhari Vedant Sharad			
	NA			NA
ELE 12	Late Deep Dilip	Smart Agriculture Robot with Sensor Monitoring Seed Sowing and Crop Prediction using Machine Learning	VIVA Institute of Technology, Virar.	AB
	Kamble Nath Anand			AB
	Sonar Aniket Prakash			AB
	NA			NA
ELE 13	Karwande Vivek Anil	SwimGuard: Robotic life saving assistance for Swimming Pool Rescue	VIVA Institute of Technology, Virar.	
	Pathare Mayur Chetan			
	Surve Rohit Rajendra			
	NA			NA
ELE 14	Jadhav Rohan Eknath	Water Purification system using Ozone	VIVA Institute of Technology, Virar.	
	Mahadik Shreekrishna P			
	Patil Prasad Rajeev			AB
	Bhoir Janhavi Ashok			AB
ELE 15	Kesarkar Rohan H	Automated plant care and pet feeding system using iot based Android app	VIVA Institute of Technology, Virar.	
	Barot Shyam Govind			
	Karale Rohit			
	NA			NA
ELE 16	Dauda Aadesh Jana	Simulation of Hybride Inverter with battery charger using Solar & Wind Energy	VIVA Institut Technology, V	
	Janathe Haresh Laxman			
	Mahala Nilesh Vasant			
	NA			



Prof. Rahul Abhyankar

Ravankumar Jaiswal



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TECHNOVATION 2024
 Major Project Attendance sheet

Date:- 05 April 2024

Sr. No	Name of Students	Title of the project	Name of the Institute	Sign
ELE 17	Sahil Swapnil Patil	Iot based Wire cutter and Stripper Machine	Vidyavardhini college of engineering and technology Vasai	AB
	Harshit Raul			AB
	Nishad vyas			AB
	NA			NA
ELE 18	Suyash Sanju Dalvi	Segregation of metal and non metal using deep learning and computer vision	Vidhyavardhini's College of engineering and technology Vcet	AB
	Raj Kajare			AB
	Niranjan Kadam			AB
	Pratham Makwana			
ELE 19	Hardik Raj Mirani	SEMBIOT	SFIT.	B
	Irfan shaikh			AB
	Yash Nikam			AB
	Krishnakant Sarang			AB
ELE 20	Asad Patel	Blockchain-Blockchain implementation on smart building infrastructure	SFIT.	
	Payal Bandkar			
	Ansh Singh			
ELE 21				
ELE 22				
ELE 23				
ELE 24				

Prof. Rahul Abhyankar

Ravinkumar





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TECHNOVATION 2024
 Mini Project Attendance sheet

Date:- 05 April 2024

Sr. No	Name of Students	Title of the project	Name of the Institute	Sign
Technovation MP 12	Hardik Prajapati Darpan Prajapati Shardul Rane		SFIT	
Technovation MP 13	Yash Dube Vaishnavi Gaikwad Hrushikesh Auti Shreehari Punna Prachi Mandalkar		SFIT	
Technovation MP 14	Omkar More Divyanshu Modi Yash Dube		SFIT	
Technovation MP 15				
Technovation MP 16				

Prof. Rahul Abhyankar.

Rohit Kulkarni
 Mo. 9970405794





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TECHNOVATION 2024



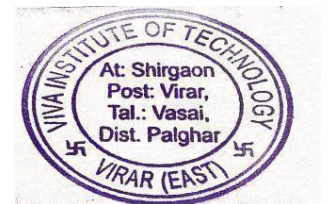
Feedback Analysis

Date :- 08 April 2024

Sr. No.	Parameters	Feedback
1	Staff co-ordination with participants	4.13
2	Arrangement of equipment by participants	4.13
3	Venue arrangement	3.97
4	Overall time management	4.07
5	Overall rating of TECHNOVATION 2022	4.03
6	Would you like to recommend our future project competition to your friends?	4.15

Project Coordinator
Prof. Rahul Abhyankar

H.O.D
Prof. Bhushan Save





Department of Mechanical Engineering

MechXplore Project Competition

Date: 05 / 04 / 2024
Time: 10.00 Onwards
Event Coordinator: Mr. Pratik Raut and Mr. Priyank Vartak
Student Coordinator: Smit Thakur, Ashish Kudu

Programme Summary/Details:

MechXplore project competition was organized by the Department of Mechanical Engineering at VIVA Institute of Technology on April 5th, 2024. 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 29 groups had registered for the Major Project category, and 14 groups had registered for the Mini Project category in the competition, which was judged by Mr. Pramod Shetty from "Sams TechnoMech Pvt. Ltd.", Mr. Subodh Joshi from "Creative Engineering Works, Vasai".

The first prize in Major Project category was awarded to the project "Design & Fabrication of Table Tennis Machine," while the second and third prizes went to "Study of Modules and Process Optimization in Warpp Industry" and "Design and Development of Modified Girder Suspension System to Improve the Stability of Motorcycle." respectively. Also, the first prize in Mini Project category was awarded to the project "Iot Based Earthquake Detection System" while the second and third prizes went to "Mini Flexible Shaft Grinder" and "Automatic White Board Cleaner" respectively.

A special thanks to Mr. Rajkumar Devkar for inviting the guests from the industries.





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Photos:

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DEPARTMENT OF MECHANICAL ENGINEERING
PRESENTS

MECH X PLORE

PROJECT COMPETITION
TEST YOUR SKILLS!
05 TH APRIL 2024
09:00 AM ONWARDS

Participate in any one of the route:

- Major Project (For BE students)
- Mini Project (For FE, SE and TE students)
- Registrations ends on: 01 April 2024

FREE ENTRY
FREE ENTRY
FREE ENTRY

SCAN TO REGISTER

Student Co-ordinators
Tejas Jagdale 7558707892
Sheetal Gupta 7303816196
Sairaj Shinde 9372539560





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Scan this QR code for more photos of this event:





Topic Name:

TechChase 2023

Date:

14th September and 15th September 2023

Time:

08.45 am Onwards

Programme Summary/Details:

TechChase 2023 was held on the 14th and 15th of September 2023, at VIVA Institute of Technology. The inauguration ceremony started in the seminar hall with blessings from principal sir and other dignitaries. The Theme for TechChase 2023 was “Chandrayan 2 and Space” The inauguration was carried out by the principal sir by landing the Lander model “Vikarm” on the artificial moon surface. In Tech chase 2023 the model of “Chandrayaan 2” Rover “Pragyan” and Suryayan “Aditya L1” was made by using Scrap and Waste Materials. With this, TechChase kicked off. 29 events across the seven departments of engineering were organized. Registrations were online through Google Forms. This year, TechChase saw a higher footfall because of a great social media influence on the promotion of the event. Students showed good participation in the events across the five departments. The students applied their knowledge and textbook concepts in real life. Students, those organizing and those participating, were able to learn and enhance their knowledge in the field of technology. In total cash prizes of Rupees 50 thousand was awarded to the winners Overall, TechChase 2023 was full of amazing experiences and knowledge enhancing for all.

VIVA Institute of Technology organized total 29 events. i.e. Float a Boat, Land the Chandrayan, Stick and Span, Geocatching (Treasure Hunt), Save the Water, Galactic Escape, BGMI, Space Fusion, Flip-Tac-Toe, Gamesters Bay, Chandrayan Rover -3 Mission, Meteorite Gravity Challenge, Chandrayan Trajectory, Mission Moon, E-Egnite, Laser Spotting, Rover Race, Moon's Mystery (Morse Code), Robo Soccer Game, Think Before You Step, Robo Race, Pit Stop, Water Rocket, Balance the Cycle, Guess Game, That Mission Again (Think Out of the Box), One Above All, Web Development (Design a Chandrayan Life Cycle), Blind Coding.





ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

Topic Name: TECH-CHASE 2023
Date: 14TH-15th September 2023
Time: 8:30pm to 4:30pm
Event Name: Rover RACING

The Rover Race Event, was an exhilarating showcase of engineering ingenuity, teamwork, and problem-solving skills. This event brought together students, enthusiasts, and technology aficionados to race their remote-controlled rovers through challenging terrains and obstacles. The Rover Race Event was a remarkable celebration of engineering innovation and collaboration. It provided a platform for students and technology enthusiasts to race their rovers while fostering a sense of community and camaraderie. The event's success is a testament to the passion and dedication of participants and organizers alike. As the event continues to grow in popularity, it promises to inspire future generations of engineers, roboticists, and technologists to push the boundaries of what is possible in the field of robotics

WINNERS: 1: RUSHABH NIKAM
2: UDAY KARMOKAR
3: HARSHAL PATIA





ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

Topic Name: TECH-CHASE 2023
Date: 14TH-15th September 2023
Time: 8:30pm to 4:30pm
Event Name: Laser spotting

The Laser Spotting Game is an engaging and thrilling recreational activity that combines technology and physical agility to create an exciting gaming experience. In this game, participants use handheld laser devices to "spot" and tag targets on opponents' vests or designated areas. The game is typically played in dimly lit or dark environments, adding an element of suspense and challenge. In summary, the Laser Spotting Game is a high-energy and interactive activity that blends technology, strategy, and physical activity into an exciting gaming experience. Whether played for fun, as part of team-building exercises, or in competitive settings, this game offers an enjoyable way for participants to test their reflexes, strategy, and teamwork while immersed in a futuristic and immersive environment.

WINNERS: 1: AYUSH BOHIR
2: ISHAAN SHAIKH
3: MANALI KADAM



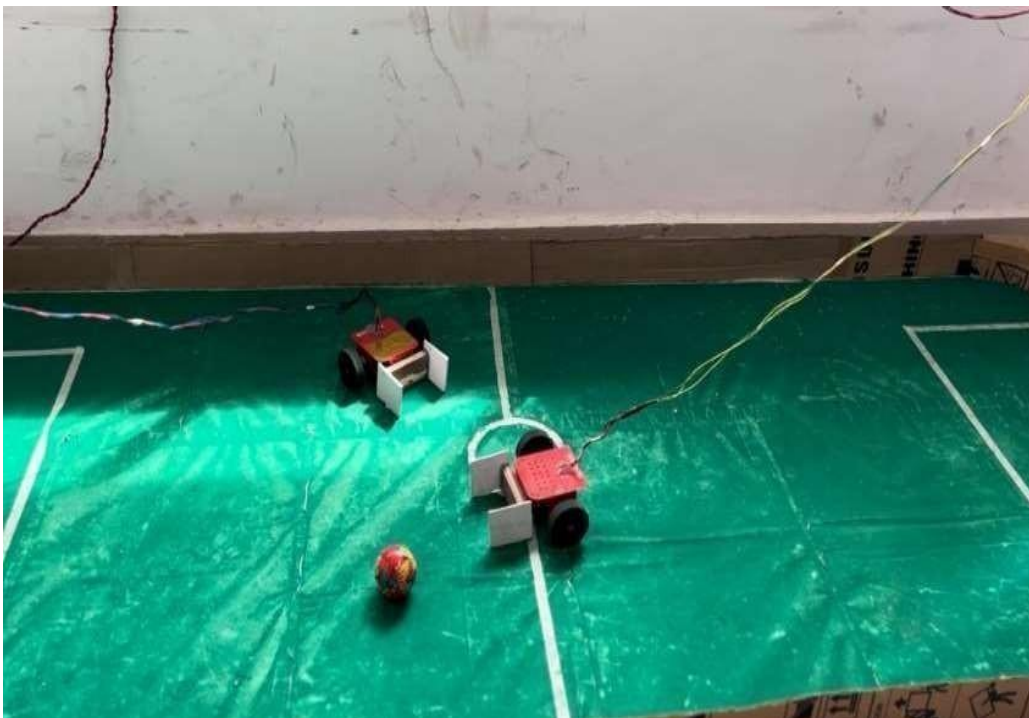


ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

Topic Name: TECH-CHASE 2023
Date: 14TH-15th September 2023
Time: 8:30pm to 4:30pm
Event Name: Robo Soccer

Robo Soccer, also known as Robot Soccer is a captivating and technologically advanced sport that combines robotics and soccer. This innovative competition features robots playing soccer on a miniature field, emulating the excitement and strategy of human soccer. Robo Soccer is a captivating blend of sportsmanship, technology, and competition that showcases the potential of robotics. It continues to evolve, attracting enthusiasts and experts alike who are eager to explore the limitless possibilities of systems in a dynamic and entertaining setting

WINNERS: 1: AYUSH BOHIR
2: OM PAWAR
3: BILAL SATHE





ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

Topic Name: TECH-CHASE 2023
Date: 14TH-15th September 2023
Time: 8:30pm to 4:30pm
Event Name: Moon's Mystery Morse Code

The "Moon Mystery Morse Code " is an innovative and engaging educational game that combines elements of mystery and Morse code decryption to create an exciting learning experience. Designed to challenge players logical thinking and Morse code decoding skills, the game takes participants on a space adventure where they must decipher Morse code messages to unravel a captivating mystery. The "Moon Mystery Morse Code " is a unique and enjoyable way to learn Morse code and explore a thrilling space adventure. Its combination of education and entertainment. Morse code enthusiasts, and anyone interested in solving mysteries in a space-themed setting. As players decode Morse code messages and uncover the space mystery, they not only have fun but also gain valuable skills and knowledge.

WINNERS: 1: RUSHABH NIKAM
2: APORMA MANDAL
3: PRITHAM DOLAR



ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

Topic Name: TECH-CHASE 2023
Date: 14TH-15th September 2023
Time: 8:30pm to 4:30pm
Event Name: Think Before You Step

"Think Before You Step" is an engaging and thought-provoking game that challenges players to carefully plan their moves and make strategic decisions. The game encourages critical thinking, problem-solving, and foresight as players navigate through a series of puzzles, obstacles, or scenarios. In "Think Before You Step," players must consider the consequences of each action they take, as choices made early in the game can significantly impact the outcome. This game format often involves exploring various paths, making choices, and learning from the results. The objective is to guide players towards developing a deeper understanding of cause-and-effect relationships and the importance of considering multiple perspectives before making decisions. "Think Before You Step" can be adapted to various contexts, from educational settings to entertainment platforms, and it offers an enjoyable way for individuals to enhance their decision-making skills while having fun. Whether it's a digital game, a board game, or an interactive classroom activity, the core principle remains the same: think carefully before you act, as every step can lead to a different outcome.

WINNERS: 1: SAHIL KADAM

2: AVINASH MIRTHRA

3: MANALI KADAM

WINNERS: 1: SAHIL KADAM

2: AVINASH MIRTHRA

3: MANALI KADAM



Report on Techchase Event - 3

TITLE - BALANCE THE CYCLE



Venue: Ground Floor, Near Canteen Area.

Rule: Time Based Game.

Total No of Participants: 21

Entry Fee: ₹10

Name of Student Coordinator:

Name	Class
Vare Sahil Arun	B.E. Mechanical

Event Description:

1. We have to balance the cycle with particular additional weight.
2. Those who balance the cycle for long time will win.

Winners:

Sr. No.	Name of the student	Branch	Rank	Time
1.	Smit Thakur	B.E Mech	I st	3:36:32 sec
2.	Harsh Jadhav	A.I.M.L	II nd	32 sec
3.	Kundan Mourya	T.E Civil	III rd	30 sec



Report on Techchase Event - 4

TITLE - GUESS GAME



Venue: Ground Floor, Near Canteen Area.

Rule: Time Based Game.

Total No of Participants: 27

Entry Fee: ₹10

Name of Student Coordinator:

Name	Class
Prajapati Prachiti Ganesh	B.E. Mechanical

Event Description:

1. We have to guess the components or object inside the box without seeing it.
2. we have to touch the objects which are placed inside the box and from sensation have to decide what's that object exactly.

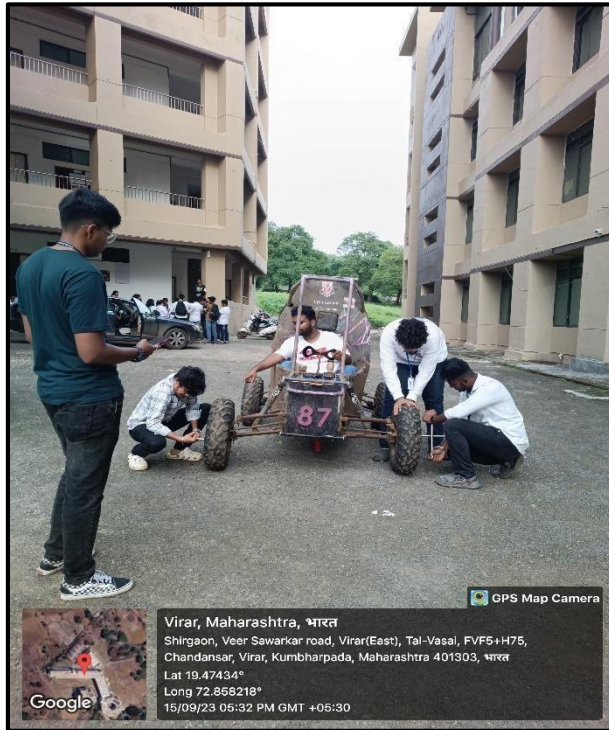
Winners:

Sr. No.	Name of the student	Branch	Rank	No of components
1.	Ashish Kudu	B.E Mech	I st	14
2.	Manish Kendre	B.E Mech	II nd	10
3.	Tejas Sonar	B.E Mech	III rd	09



Report on Techchase Event - 2

TITLE - PIT STOP



Venue: Ground Floor, Near Canteen Area.

Rule: Time Based Game.

Total No of Participants: 08

Entry Fee: ₹20

Name of Student Coordinator:

Name	Class
Gaikwad Malhar Rajesh	B.E. Mechanical

Event Description:

1. Short run of ATV buggy to the pit stop.
2. Tire disassembly at pit stop.
3. Tire assembly at a pit stop.

Winners:

Sr. No.	Name of the student	Branch	Rank	Time
1.	Ashish Kudu & Group	B.E Mech	I st	3:56:65 min
2.	Tejas Sawant & Group	B.E Mech	II nd	4:08:27 min
3.	Varun Kawli & Group	B.E Mech	III rd	4:28:39 min



Report on Techchase Event - 1

TITLE - ROBO RACE



Venue: Ground Floor, Near Canteen Area.

Rule: Time Based Game.

Total No of Participants: 56

Entry Fee: ₹30

Name of Student Coordinator:

Name	Class
Thakur Smit Yogesh	B.E. Mechanical

Event Description:

1. have to run the remote controlled RC car on the track.
2. track includes obstacles such as slippery area, rocks, pipes and sand.
3. we have to complete that track with less time

Winners:

Sr. No.	Name of the student	Branch	Rank	Time
1.	Prerit Adawade	B.E Mech	I st	1:12:50 sec
2.	Pratik Sonawale	B.E Mech	II nd	1:17:77 sec
3.	Tejas Sonar	B.E Mech	III rd	1:44:55 sec





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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 there will be 4 sub rounds.
- 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 bear 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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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:

- **Enhanced Technical Skills:** Participants often gain hands-on experience with design, construction, and analysis of bridge structures, improving their engineering skills.
- **Team Collaboration:** Engaging in team-based projects fosters collaboration, communication, and leadership skills among participants
- **Innovative Solutions:** The event can encourage creative problem-solving, leading to innovative designs and construction methods
- **Practical Application of Theory:** Students can apply theoretical knowledge in a practical setting, bridging the gap between classroom learning and real-world engineering challenges

Sr No.	Name of the student	Branch	Rank
1.	VICKY PATIL & GRP	CIVIL	1st
2.	ARYAN THAKUR & GRP	CIVIL	2nd
3.	TANMAY BHOIR & GRP	AIML	3rd





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Event:- 2

GEOCACHING

Description 1: Geocaching

- Geocaching is basically treasure hunt.
- Participants use their collective brainpower to solve clues. Each team is presented with a group of 3 members.
- Geocaching or treasure hunt is a game in which the organizers prepare a list defining specific items, which the participants seek to gather or complete all items on the list, usually without purchasing them.

Rules:

- 1) Finish the game within minimum time.





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TECHNICAL OUTCOMES:

- **Navigation and Surveying Skills:** Participants enhance their ability to use GPS technology and understand surveying principles, critical for civil engineering projects.
- **Data Collection and Analysis:** Engaging in geocaching involves gathering data about specific locations, which can improve skills in data collection and spatial analysis.
- **Problem-Solving in Real Scenarios:** Geocaching challenges can simulate real-world engineering problems, encouraging participants to devise practical solutions.
- **Understanding of Infrastructure:** Participants gain insights into local infrastructure, including bridges, roads, and buildings, fostering a deeper understanding of civil engineering applications.

Sr No.	Name of the student	Branch	Rank
1.	PRATIK GAWADE	ELECTRICAL	1st
2.	TANMAY PATIL	CIVIL	2nd
3.	SAHIL PATIL	MECHANICAL	3rd





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Event: - 3

CITY SCAPE- Urban Vision Town Planning

Description:

- **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:

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





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Technical Outcomes:

- **Urban Planning Skills:** Participants can develop a deeper understanding of urban design principles, including zoning, land use, and the integration of green spaces.
- **Infrastructure Assessment:** Engaging in activities that require evaluating existing urban infrastructure—such as roads, bridges, and utilities—helps improve analytical skills.
- **Zoning and Land Use Knowledge:** Understanding zoning regulations and land use policies helps participants grasp how to allocate space for residential, commercial, and recreational areas.
- **Environmental Impact Assessment:** Participants can practice evaluating the potential environmental effects of proposed developments, helping to promote sustainable practices.

Sr No.	Name of the student	Branch	Rank
1.	PIYUSH TIWARI & GRP	CIVIL	1st
2.	SAYALI BHANGE & GRP	EXTC	2nd
3.	GAUTAM THAKUR & GRP	AIML	3rd





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TECH CHASE 20245-25

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

Prof. Yadnesh patil
Faculty Coordinator

Prof. Akshay Mistry
H.O.D.
(Civil Engineering)





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Shirgaon, Virar (E), Taluka-Vasai, District-Palghar, 401305, Maharashtra Telephone: (0250)-6990999
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NAAC ACCREDITED With GRADE B+ +

Department of Civil Engineering





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)

TECHCHASE 2023

Event Name: THAT MISSION AGAIN

Think Outside the box



Event Code TCE26

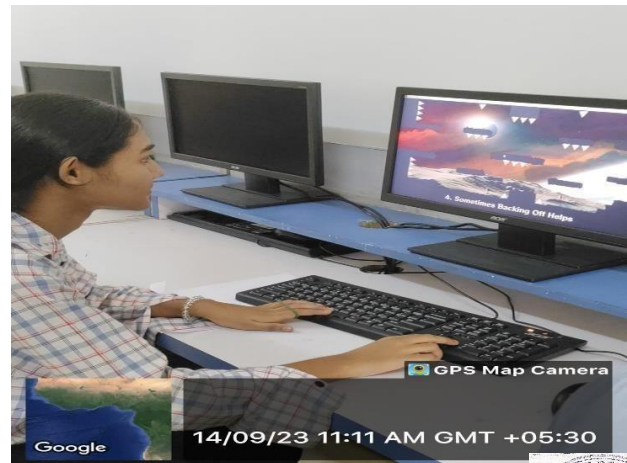
Description:

The player must find the way to clear the level as per given clue by thinking outside the box. Each level presents a unique and often humorous twist, making it a delightful and thought-provoking experience for players who enjoy puzzle-solving and unconventional gameplay.

Total no of Participants: 33

Winners: 1st Rank: Vidhi Bhoir
2nd Rank: Yash Parab
3rd Rank: Shaikh Billal

Photos:





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TECHCHASE 2023

Event Name: ONE ABOVE ALL



Event Code TCE27

Description: There will be 4 levels. Each level containing different challenges.

Level 1: Fall Guys: Four out of five participants will be qualified and the last one to complete the level will be eliminated.

Level 2: Getting Over It: Participant will be given points based on the maximum distance travelled at a given time (2 minutes). One Participant will be eliminated.

Level 3: Space Jam: It is an arcade game. Participant has to score maximum points in this game at the given time limit i.e. 90 seconds. One participant will be eliminated

Level 4: Bubble Sort: Two finalist will compete against each other in this level.

Total no of Participants: 25

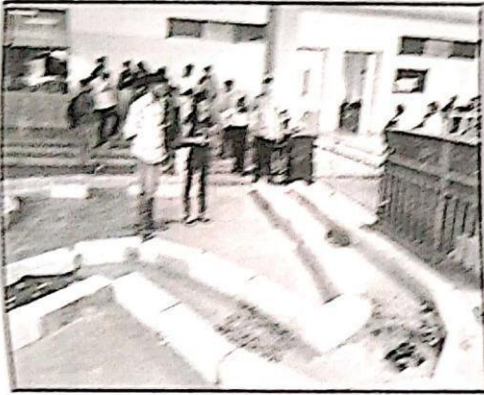
Winners: 1st Rank: Shaikh Billal

2nd Rank: Shrey Patil

3rd Rank: Sambhav Salgaonkar



Report on Techchase Event - 1
TITLE – OPERATION ENGINE HEART



Vegetation Ground Floor, West Carolina Area.

Rate Time Passed (Time)

Total No of Participants: 32

Белый Бесс 7/51

Name of Student Coordinator:

Name	Class
Dev. Puroja	B.E. Mechanical

Event Descriptions:

In the year 2045, a mysterious and highly advanced engine prototype, known as the "Quantum Drive", has surfaced in a competitor's top-secret R&D facility. You are Elliot Payne, a distinguished Special Engineer and Detective working for Innovatech Dynamics. As an elite member of their covert operations team, you have been entrusted with a Mission.

Winners:

Sr. No.	Name of the student	Branch	Rank	Time
1.	Kalpesh Bhoir	B.E. Mech	1 st	1:12:16 sec
2.	Narenk Katre	B.E. Mech	2 nd	1:13:53 sec
3.	Omkar Waikekar	B.E. Mech	3 rd	1:15:45 sec

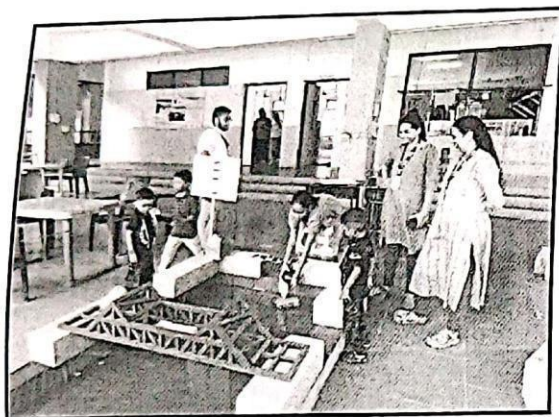


Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI, DTE, GOVT. OF MAHARASHTRA AND AFFILIATED TO THE
UNIVERSITY OF MUMBAI
At Shingraon, Post Virar, Tal. Vasai, Dist. Palghar - 401305 Tel: 7770002544 Website: www.viva-technology.org
Department of Mechanical Engineering

Report on Techchase Event - 2

TITLE – BOAT RACE



Venue: Ground Floor, Near Canteen Area.

Rule: Time Based Game.

Total No of Participants: 16

Entry Fee: ₹20

Name of Student Coordinator:

Name	Class
Shreyash Jamsandekar	B.E. Mechanical

Event Description:

The "Boat Race" is a fun and innovative event where participants race boats made entirely from recycled plastic water bottles. Teams will design, construct, and race their own boats using only plastic bottles and other recyclable materials. The event combines creativity, engineering, and environmental awareness, as teams compete to see whose boat can travel the fastest or farthest in a designated water track. This event not only promotes teamwork and problem-solving but also emphasizes the importance of recycling and sustainability.

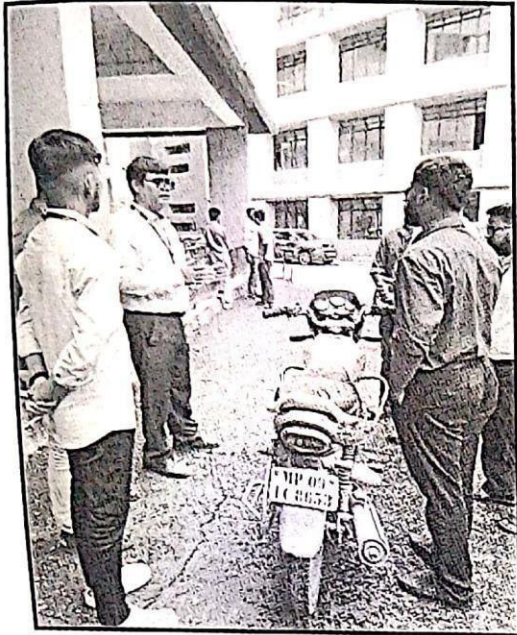
Winners:

Sr. No.	Name of the student	Branch	Rank	Time
1.	Kalpesh Bhoir	B.E Mech	I st	19:05min
2.	Sairaj Shinde	B.E Mech	II nd	21:43 min
3.	Naresh Katre	B.E Mech	III rd	25:48 min



Report on Techchase Event - 3

TITLE – BIKE PIT STOP



Venue: Ground Floor, Near Canteen Area.

Rule: Time Based Game.

Total No of Participants: 73

Entry Fee: ₹10

Name of Student Coordinator:

Name	Class
Sahil Patil	B.E. Mechanical

Event Description:

The "Bike Pit Stop" event is an exciting and dynamic activity designed for motorcycle enthusiasts, mechanics, and anyone interested in motorsports. Participants will have the opportunity to engage in a real-time simulation of a professional racing pit stop, where speed, precision, and teamwork is the key. The event will feature various stations replicating a pit stop environment. Participants will work in teams to complete the tasks as quickly and efficiently as possible, replicating the high-pressure environment of a professional race.

Winners:

Sr. No.	Name of the student	Branch	Rank	Time
1.	Mukesh Prajapati	B.E Mech	I st	0:59sec
2.	Tejas Jagdale	B.E Mech	II nd	1:15 sec
3.	Sahil Khandzode	Electrical	III rd	1:30 sec

MESA President

MESA Faculty Co-ordinator

HOD Mechanical Dept.