



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Virar (E), Taluka-Vasai, District-Palghar, 401305, Maharashtra
Telephone: 7770002544 website- www.viva-technology.org
Department Of Electrical Engineering

PROJECT EXHIBITION / PROJECT COMPETITION

ACADAMIC YEAR 2022-23

Department of Electrical Engineering. VIVA institute of technology conducted Project Exhibition/ project Competition on 06/03/2023.

Total 29 groups participation in the Exhibition From across various institute. The display of projects was arranged at 4 different venues. AC Machine Lab, Power Electronics Lab, Measurement Lab, Communication Lab 1st Floor Electrical Engineering Department.

Various Industry parsons also attended the project exhibition and appreciated students for their good work and also gave their feedback lo students on various projects.





Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 Department Of Electrical Engineering

Winner position	Project Member Name	Project Name
Major Project Winners		
1	Hrithik More Rohan Shinde Shubh Arekar	Multipurpose Swimming Pool Cleaning Device for Observation, Cleaning and Life Guarding with pH Indicator
2	Lalit Sonar Akash Holmukhe Anuj Kap	Digital synchroscope
	Affan Mukadam Prathamesh Kubal Adwait Harishchandra Malashe	Development of an Android app for Designing of stepper motor using kodular software
3	Amitkumar Vishwakarma Rohan Gawai Jigar Patel	Battery swapping station and Battery health monitoring system
Mini Project Winners		
1	Jay Patel Dhruv Panchal Vedang Mestry Harsh Shukla	Electric cycle
2	Ayush Ashish Kadu Sujit Sanjay Singh Vedant Bharat Churi Shubham Nishikant Churi	Air Battery Technology
3	Saheel Thakur Shivam Yadav Omkar Tejam Omkar Kargutkar	Transformer Health Monitoring system

Project Co-ordinator

H.O.D.



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Department Of Electrical Engineering
Major Project Winners



1st
Price Winner

2nd Price Winner



3rd
Price Winner



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Department Of Electrical Engineering

Mini project Winners

1st
Price Winner



2nd
Price Winner



3rd
Price Winner





Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Department Of Electrical Engineering

VIVA INSTITUTE OF TECHNOLOGY
VIRAR (EAST)

Ref. No. VIVA/VIT/1101/2022-23 **CIRCULAR** Date: 16-3-2023

All the students and faculty members are hereby informed that Intercollegiate Project Competition is scheduled on 6th April 2023. Judges will come from industries for judging the performance of the projects.

Venue: Respective departmental labs

Time: 8:30 am onward

Note: Lectures / practicals of semester -II will be held as per Schedule.



[Signature]
16-3-2023
Principal

Cc.to

HODs (Civil / Copm / Elect / EXTC / Mech / MCA / FE)

Notice board

Office



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHRIGAON, VIRAR (EAST)
DEPARTMENT OF ELECTRICAL ENGINEERING
Project Competition 2023

VENUE DETAILS

Venue	Location	student coordinator / Volunteers
Venue 1	AC Machine Lab (1st Floor Electrical Engineering Department)	Anuj Kap (9011842518)
Venue 2	Power Electronics Lab (1st Floor Electrical Engineering Department)	Ankit Patil (8788375641)
Venue 3	Measurement Lab (1st Floor Electrical Engineering Department)	Manoj Goundar (8879452236)
Venue 4	Communication Lab (1st Floor Electrical Engineering Department)	Prasad Patil (9324717121)
Registration Desk	1st Floor Electrical Engineering Department	Anuj Kap (9011842518)


Project Co-ordinator


H.O.D.




Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHRIGAON, VIRAR (EAST)
DEPARTMENT OF ELECTRICAL ENGINEERING
Project Competition 2023

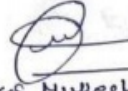
Venue 1

AC Machine Lab (1st Floor Electrical Engineering Department)

TABLE NO.	STUDENT NAME	TITLE PROJECT NAME
ELE 01	SIDDHESH NANDKISHOR DARJE	PREDICATIVE MAINTENANCE OF MOTOR BY USING MACHINE LEARNING
ELE 02	AKASH HOLMUKHE	DIGITAL SYNCHROSCOPE
ELE 03	KHUSHALI LADHAVA	3 PHASE TRANSMISSION LINE FAULT DETECTION AND ANALYSIS
ELE 04	SIDHARTH SURESH MACHHI	IMPLEMENTATION SYSTEM FOR POTHOLE REPAIR ON ROAD BY USING WASTE PLASTIC.


Tejas Santpal


Prof. Rahul Abhyankar


Prof. Mukesh Mishra



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHRIGAON, VIRAR (EAST)
DEPARTMENT OF ELECTRICAL ENGINEERING
Project Competition 2023

Venue 2

Power Electronics Lab (1st Floor Electrical Engineering Department)

TABLE NO.	STUDENT NAME	TITLE PROJECT NAME
ELE 05	JIGAR PATEL	BATTERY SWAPPING STATION AND BATTERY HEALTH MONITORING SYSTEM
ELE 06	MUKESH BALA	DETECTION OF ACCIDENT AND REPORTING THROUGH GSM
ELE 07	BHAVIN M PATIL	NFC BASED VOTING SYSTEM
ELE 08	ATISH AVINASH KHADE	INSPECTION ROBOT FOR CHEMICAL INDUSTRY
ELE 09	MIHIR RAJIV VARTAK	IOT BASED FIRE EXTINGUISHER
ELE 10	RAHUL GUPTA	ELECTRICAL DRIVE BASED FLOOR CLEANING ROBOT
ELE 11	MANANI SAGAR RAMESH	BLDC MACHINE DESIGN SOFTWARE
ELE 12	HRITHIK MORE	MULTIPURPOSE SWIMMING POOL CLEANING DEVICE FOR OBSERVATION, CLEANING AND LIFE GUARDING WITH PH INDICATOR

Tejas Sankpal
Tejas Sankpal

Prof Rahul Abhyankar
Prof Rahul Abhyankar

Prof. Mukesh Mishra
Prof. Mukesh Mishra



Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

SHRIGAON, VIRAR (EAST)

DEPARTMENT OF ELECTRICAL ENGINEERING

Project Competition 2023

Venue 3

Measurement Lab (1st Floor Electrical Engineering Department)

TABLE NO.	STUDENT NAME	TITLE PROJECT NAME
ELE 13	DHANESH SUNIL PATIL	WATER GARBAGE CLEANING ROBOT
ELE 14	YASHODEEP SHRIKANT KATKAR	VEHICLE ACCIDENT PREVENTION SYSTEM USING EYE BLINK SENSOR AND ALCOHOL DETECTOR
ELE 15	TUSHAR SURYVANSHI	ROAD WATERLOGGING INDICATOR USING ULTRASONIC SENSOR WITH GPS SYSTEM FOR VEHICLE ASSISTANCE
ELE 16	PRERANA PRAMOD RAMTEKE	PYTHON SOFTWARE DEVELOPMENT FOR DESIGNING OF SERVOMOTOR USING PYTHON LANGUAGE
ELE 17	PRANAY PRAKASH JADHAV	AUTOMATIC SCANNING OF RFID TAG OF PRODUCT IN SMART TROLLEY AT SHOPPING MALL
ELE 18	PRANAY PRAMOD JANGAM	GSM BASED CONTROLLING AND MONITORING SYSTEM OF UPS BATTERY FOR HIGH POWER BACKUP APPLICATION
ELE 19	DIPESH CHAVAN	WATER SUPPLY AND THEFT IDENTIFICATION USING ESP32
ELE 20	MANOJ GOUNDAR	RAILWAY TRACK INSPECTION VEHICLE
ELE 21	ABHISHEK JIVAN CHAUDHARI	WAVE ENERGY GENERATION
ELE 22	ADWAIT HARISHCHANDRA MALASHE	DEVELOPMENT OF AN ANDROID APP FOR DESIGNING OF STEPPER MOTOR USING KODULAR SOFTWARE

Tejpal
Tejpal Sankpal

Prof. Rahul Abhyankar
Prof. Rahul Abhyankar

Prof. Mukesh Mishra
Prof. Mukesh Mishra



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHRIGAON, VIRAR (EAST)
DEPARTMENT OF ELECTRICAL ENGINEERING
Project Competition 2023

Venue 4

Communication Lab (1st Floor Electrical Engineering Department)

TABLE NO.	STUDENT NAME	TITLE PROJECT NAME
TEMP 01	AAKASH JITENDRA NAIK	AUTOMATIC OBSTACLE AVOIDING ROBOT USING ARDUINO
TEMP 02	HARSH SHUKLA	ELECTRIC CYCLE
TEMP 03	KUNAL KISHOR KADAM	HOME AUTOMATION
TEMP 04	DEEP LATE	BAR CODE SCANNER FOR ATTENDANCE MONITOR
TEMP 05	ROHAN BOLKE	HOLOGRAPHIC PROPELLER CLOCK
TEMP 06	SAHIL SOLANKI	BLACK LINE ROBOT
TEMP 07	RAJ SAROJ	SMART ENERGY METER WITH APP ASSISTANCE
TEMP 08	AADESH DAUDA	BUCK BOOST CONVERTER
TEMP 09	DHRUV GOHIL	SENSOR BASED ACCIDENT PREVENTION SYSTEM
TEMP 10	VIGHNESH CHAUDHARI	FIRE EXTINGUISHER ROBERT
OTCP 01	SUJIT SANJAY SINGH	AIR BATTERY TECHNOLOGY
OTCP 02	SUSHANT PRAKASH RIKAME	FIRE FIGHTING ROBOT
SEMP 01	SAHEEL THAKUR	TRANSFORMER HEALTH MONITORING SYSTEM

Tejas Sankpal

Prof. Rahul Abhyankar

Prof. Mukesh Mishra



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY


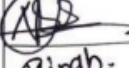
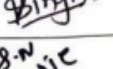
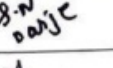
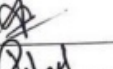
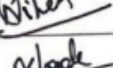
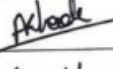
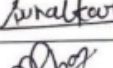
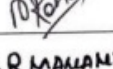
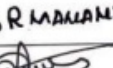
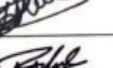
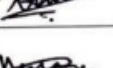
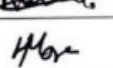
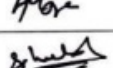
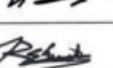
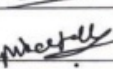
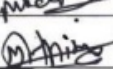
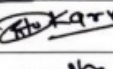
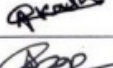
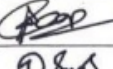
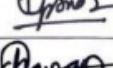
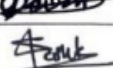
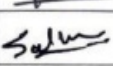


Shirgaon, Virar (E), Taluka-Vasai, District-Palghar, 401305, Maharashtra
Telephone: 7770002544 website- www.viva-technology.org

Department of Electrical Engineering

TECHNOVATION 2023
ATTENDANCE SHEET

DATE: - 06/04/2023

Sr. No.	Participant Name	Institute Name	Branch	Project Title	Signature
1.	Dhanesh Sunil Patil	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Water Garbage Cleaning Robot	<i>Dhanesh</i>
	Rajesh Trinath Patra				<i>Rajesh</i>
	Komal Sandesh Patil				<i>Komal</i>
2.	Yashodeep Shrikant Katkar	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Vehicle Accident Prevention System Using Eye Blink Sensor and Alcohol Detector	<i>Yashodeep</i>
	Pratik Vijay Patil				<i>Pratik</i>
	Saurabh Mohan Bait				<i>Saurabh</i>
3.	Jigar Patel	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Battery Swapping Station and Battery Health Monitoring System	<i>Jigar</i>
	Rohan Gawai				<i>Rohan</i>
	Amitkumar Vishwakarma				<i>Amitkumar</i>
4.	Tushar Suryvanshi	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Road Waterlogging Indicator Using Ultrasonic Sensor with Gps System for Vehicle Assistance	<i>Tushar</i>
	Rahul Singh				<i>Rahul</i>
	Prateek Singh				<i>Prateek</i>
5.	Prerana Pramod Ramteke	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Python Software Development for Designing of Servomotor Using Python Language	<i>Prerana</i>
	Rinkal Kondu Patil				<i>Rinkal</i>
	Mahesh Uttam Gujare				<i>Mahesh</i>
6.	Pranay Jadhav	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Automatic Scanning of Rfid Tag of Product in Smart Trolley at shopping mall	<i>Pranay</i>
	Ankit Patil				<i>Ankit</i>
	Ajinkya Gharat				<i>Ajinkya</i>
7.	Pranay Pramod Jangam	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	GSM Based Controlling and Monitoring System of UPS Battery For High Power Backup Application	<i>Pranay</i>
	Mitali Vasudev Pashte				<i>Mitali</i>
	Asmita Ashok Pashte				<i>Asmita</i>
8.	Mukesh Bala	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Detection Of Accident and Reporting Through Gsm	<i>Mukesh</i>
	Gaurav Dalvi				<i>Gaurav</i>
	Prasad Thakare				<i>Prasad</i>

9.	Bhavin M Patil	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	NFC Based Voting System	
	Nikhil Sankhe				
	Kriti Singh				
10.	Siddhesh Nandkishor Darje	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Predicative Maintenance of Motor by Using Machine Learning	
	Premchandra Kumbhar				
	Nilesh Marchande				
11.	Atish Avinash Khade	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Inspection Robot for Chemical Industry	
	Shrutika Sonalkar				
	Rohan Chavan				
12.	Manani Sagar Ramesh	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	BLDC Machine Design Software	
	Dharmesh Dangodra				
	Rahul Parmar				
	Harsh Chauhan				
13.	Hrithik More	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Multipurpose Swimming Pool Cleaning Device for Observation, Cleaning and Life Guarding with Ph Indicator	
	Shubh Arekar				
	Rohan Shinde				
14.	Mihir Rajiv Vartak	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	IOT Based Fire Extinguisher	
	Mayuraj Ahire				
	Dipesh Tokare				
15.	Akash Holmukhe	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Digital Synchroscope	
	Anuj Kap				
	Lalit Sonar				
16.	Dipesh Chavan	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Water Supply and Theft Identification Using Esp32	
	Sejal Pashte				
	Salman Ali				

17.	Abhinwasundar Gujar	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Railway Track Inspection Vehicle	<u>Alha</u>
	Yash Pawar				<u>P</u>
	Manoj Goundar				<u>Pran</u>
18.	Rahul Gupta	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Electrical Drive Based Floor Cleaning Robot	<u>Rahul</u>
	Mohan Dhadaga				<u>Mohanson</u>
	Suraj Gupta				<u>Suraj</u>
19.	Khushali Ladhava	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	3 Phase Transmission Line Fault Detection and Analysis	<u>Khushali</u>
	Charmy Bhatt				<u>Charmy</u>
	Nikita Sirsat				
20.	Sidharth Suresh Machhi	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Implementation System for Pothole Repair on Road by Using Waste Plastic.	<u>Somesh</u>
	Anand Gangaram Katela				<u>Anand</u>
	Yogesh Suresh Satvi				<u>Yogesh</u>
21.	Adwait H. Malashe	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Development Of an Android App for Designing of Stepper Motor Using Kodular Software	<u>Adwait</u>
	Prathamesh Kubal				<u>Prathamesh</u>
	Affan Mukadam				<u>A</u>
22.	Abhishek Jivan Chaudhari	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Wave Energy Generation	<u>Abhishek</u>
	Chinmay Rajesh Patil				<u>Chinmay</u>
	Shubham Lalasaheb Kamble				<u>S.K.</u>
	Pravin Ranjit Giri				<u>Pravin</u>
23.					
24.					

06 April 2023
Project Coordinator

13/04/2023
Head of Department



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Virar (E), Taluka-Vasai, District-Palghar, 401305, Maharashtra
Telephone: 7770002544 website- www.viva-technology.org
Department of Electrical Engineering

TECHNOVATION 2023
ATTENDANCE SHEET
(MINI PROJECTS)

DATE: - 06-04-2023.

Sr. No.	Participant Name	Institute Name	Branch	Project Title	Signature
1.	Mayur Chetan Pathare	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Automatic Obstacle Avoiding Robot Using Arduino	
	Aakash Jitendra Naik				
	Jitendra Bind				
	Rohit Karale				
2.	Harsh Shukla	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Electric Cycle	
	Vedang Mestry				
	Dhruv Panchal				
	Jay Patel				
3.	Kunal Kishor Kadam	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Home Automation	
	Hritik Parab				
	Bhagyashri Patil				
4.	Raj Saroj	VIVA Institute of Technology, Shirgaon, Virar (E)	Electrical	Smart Energy Meter with App Assistance	
	Vivek Karwande				
	Rohit Surve				
	Siddhesh Sawant				
5.	Saheel Thakur	VIVA Institute of Technology, Shirgaon, Virar (E)	SE Electrical	Transformer Health Monitoring System	
	Shivam Yadav				
	Omkar Tejam				
	Omkar V Kargutkar				

6/4/2023
Project Coordinator

Head of Department



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 Department Of Electrical Engineering

Feedback Form

Timestamp	Year	TECHNOVATION 2023 [S	TECHNOVATION 2023 [P	TECHNOVATION 2023 [V	Overall time management	Overall rating of TECHINC	Would you like to recommend our future project competition to your friends?
4/6/2023 12:34:57	T.E	excellent	good	excellent	excellent	excellent	YES
4/6/2023 12:35:33	T.E	good	good	good	good	good	YES
4/6/2023 12:35:54	T.E	good	good	good	good	good	YES
4/6/2023 12:37:16	T.E	excellent	excellent	excellent	excellent	excellent	YES
4/6/2023 12:37:24	T.E	good	moderate	good	good	good	YES
4/6/2023 12:37:44	T.E	excellent	excellent	excellent	excellent	excellent	YES
4/6/2023 12:38:05	T.E	good	good	good	ok	good	YES
4/6/2023 12:39:55	T.E	excellent	good	excellent	good	good	YES
4/6/2023 12:44:00	B.E	excellent	excellent	excellent	excellent	excellent	YES
4/6/2023 12:44:07	B.E	excellent	excellent	excellent	excellent	good	YES
4/6/2023 12:45:18	B.E	good	excellent	excellent	good	excellent	YES
4/6/2023 12:56:11	B.E	excellent	excellent	good	moderate	excellent	YES
4/6/2023 12:56:21	T.E	excellent	excellent	excellent	excellent	excellent	YES
4/6/2023 12:59:29	B.E	excellent	excellent	excellent	excellent	excellent	YES
4/6/2023 13:03:32	T.E	ok	moderate	moderate	good	good	YES
4/6/2023 13:10:25	B.E	excellent	good	good	moderate	excellent	YES
4/6/2023 13:23:09	B.E	excellent	good	ok	ok	moderate	YES
4/6/2023 13:29:09	B.E	good	excellent	good	good	good	YES
4/6/2023 13:30:57	B.E	good	good	good	good	good	YES
4/6/2023 13:34:54	T.E	excellent	excellent	good	good	good	YES
4/6/2023 13:42:35	B.E	good	good	excellent	good	excellent	YES
4/6/2023 13:44:43	B.E	moderate	moderate	moderate	moderate	moderate	YES
4/6/2023 14:21:45	B.E	good	good	good	good	excellent	YES
4/6/2023 14:24:40	B.E	ok	ok	ok	good	good	YES
4/6/2023 14:24:58	B.E	excellent	excellent	good	moderate	good	YES
4/6/2023 14:27:23	B.E	excellent	excellent	excellent	excellent	excellent	YES
4/6/2023 14:32:04	B.E	good	good	good	good	good	YES
4/6/2023 14:51:08	B.E	good	good	excellent	moderate	good	NO
4/6/2023 15:06:02	B.E	excellent	excellent	excellent	good	excellent	YES
4/6/2023 15:06:39	B.E	excellent	excellent	good	moderate	excellent	YES
4/6/2023 15:19:10	B.E	excellent	good	moderate	ok	good	YES
4/6/2023 16:28:04	B.E	excellent	excellent	excellent	excellent	excellent	YES