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

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

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VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

PRINCIPAL
VIVA INSTITUTE OF TECHNOLOGY

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

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1. STUDENT'S PARTICIPATION / ACHIEVEMENTS RECORDS

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1. STUDENT'S PARTICIPATION / ACHIEVEMENTS RECORDS

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2021-22)

Event Name	"A NATIONAL LEVEL TECHNICAL CONCLAVE" TECH4GOOD- 2022 (Project Competition)
Team Members	Hemil Patel Suyash Koltharkar Amit Gupta
Brief Description	Drishyam: An Interpreter for Deaf and Mute
Venue/Organization by Date	VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY (22nd & 23rd April 2022)
Position Obtained	2nd Prize (with Rs. 15000)
Photographs	

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2021-22)

Event Name	CIIA-Inter-Institution Students Innovation Exhibition & Competition
Team Members	Kamlesh Mali Karan Kumar Balaji Mhetre
Brief Description	FR-PAY:- A Secure Approach For Payment
Venue/Organization by Date	Nehru Centre, Worli, Mumbai
Position Obtained	Participated
Photographs	

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2021-22)

Event Name	NCRENB-22
Team Members	Kamlesh Mali Karan Kumar Balaji Mhetre
Brief Description	FR-PAY:- A SECURE APPROCH FOR PAYMENT
Venue/Organization by Date	Viva Institute of Technology, Virar, held on 4th – 5th March, 2022
Position Obtained	1st Rank

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
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VIRAR (EAST)

Achievement Record (Academic Year 2021-22)

Event Name	NCRENB-22
Team Members	Prathamesh Naik Manasi Dhuri Yukta Bharankar
Brief Description	Special Child Care App
Venue/Organization by Date	Viva Institute of Technology, Virar, held on 4th – 5th March, 2022
Position Obtained	2nd Rank

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Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: 2nd Season of Hero Electric – E-bike Challenge
Venue: Chandigarh Engineering College, Jhanjheri
Host: ISIE India
Position: Participated
Students: Aakash Satish Yadav
Date: 25-12-2021

Aakash Satish Yadav participated in the 2nd Season of Hero Electric – E-bike Challenge which was Organized at Chandigarh Engineering College, Jhanjheri in Chandigarh. Aakash Satish Yadav has Participated in it.

Achievements of EXTC Deparment.

A.Y. 2021-22

Heartly Congratulations

Krutika Penkar and Nitesh Chandurkar, TE EXTC student of EXTC department at VIVA Institute of Technology Won **Consolation Cash Prize of Rs. 5000/-** in **Anveshana Science & Engineering Fare 2022** for Project titled "**Flood Monitoring & Alert System**"- 15th March 2022

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Heartly Congratulations

Kamble Pradnya, Save Anushka & Patil Mansi, BE EXTC student of EXTC department at VIVA Institute of Technology got selected as **FINALIST** in **Creative Ideas & Innovations In Action (CIIA) 2022,** organized by Marshalls in association with Times of India Organization for Project titled "**Online Unused Medicine Donation**"- 29th & 30th March 2022.

Heartly Congratulations

Nikam Harshikesh, Sawant Harshad & Sawant Hrutikesh, BE EXTC student of EXTC department at VIVA Institute of Technology got selected as **FINALIST** in **Creative Ideas & Innovations In Action (CIIA) 2022,** organized by Marshalls in association with Times of India Organization for Project titled "**Automation of Ration Shop**"- 29th & 30th March 2022.

Heartly Congratulations

Keasrkar Mokshada, Bomble Aakansha, Naidu Nikhil & Jadhav Tejashree, BE EXTC student of EXTC department at VIVA Institute of Technology got selected as **FINALIST** in **Creative Ideas & Innovations In Action (CIIA) 2022,** organized by Marshalls in association with Times of India Organization for Project titled "**Real Time Traffic Management and Monitoring System for Emergency Vehicles**"- 29th & 30th March 2022.

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At: Shirgaon
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Students Achievement Report.

Event: SAE AERO DESIGN WEST
Host: SAE
Venue: Online
Position: Participated
Student: TEAM ARSYA

Team Arsya, The aerodesign team of VIVA successfully participated in the virtuals of SAE Aero Design Competition, held annually.

Total Registered Teams: 75
Finalized Qualified Teams: 47
ARSYA Team Overall Rank : **29**

23	**057** - Univ of Calif - Davis	United States	12.5065	28.6250	0.0000	-4.0	37.1315
24	**043** - California State Univ - Fullerton	United States	2.7488	28.7250	0.0000	-	31.4738
25	**045** - Univ of Portland	United States	6.7574	23.8875	0.0000	-	30.6449
26	**033** - Iowa State Univ	United States	24.6070	0.0000	0.0000	-	24.6070

Standings	University (Team)	Country	Design Scores	Presentation Scores	Mission Performance Scores	Technical Inspection Deductions	Overall Scores
27	**048** - Univ of Wisconsin - Platteville	United States	2.6607	21.0875	0.0000	-9.0	14.9482
28	**027** - Embry-Riddle Aero Univ - Prescott	United States	3.6269	0.0000	0.0000	-	3.6269
29	**013** - Viva Institute of Technology	India	3.5693	0.0000	0.0000	-	3.5693

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
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VIRAR (EAST)

Department of Mechanical Engineering

Students Achievement Report.

Event: The Journey Challenge E BAJA Virtuals
Host: SAE India
Venue: Online
Position: Participate
Student: Team Aries

Team Artemis Racing India from Department of Mechanical Engineering of VIVA Institute of Technology, Virar had participated in BAJA SAE India M-Baja category competition at Natrax, Indore. The competition is scheduled from 5th April 2022 to 12th April 2022. There were 81 teams across the India from various recognized Institutes participated in the event. We were the team of 16 students along with 1 faculty advisor attended the event with 4 - wheel drive ATV (All-terrain vehicle). Team has manufactured 4 wheel drive vehicle (ATV) at college workshop as per mentioned in SAE India rulebook. On 4th April 2022 team transported fully manufactured vehicle from college to event site in Indore. During the competition Team has successfully cleared **Validation Test, Engine Test and Weight Test** to pass round 1. In the round of Technical Inspection Team got eliminated because of following reasons.

1. Leakage in drip pan
2. Accelerator pedal stopper didn't work
3. Brake casing is not as per mentioned standards
4. Safety norms not satisfactory like sharp edges visible on number plate.

Though team could not make it to next round, students have done hard work to make 4-wheel drive vehicle in limited time and critical conditions. However, it was a great learning experience for all team especially for junior team members to rectify mistakes and learn from top teams. Hopefully team will come back stronger and well prepared next year.

Achievement Record (Academic Year 2020-21)

Event Name	VCET's National Level Project Showcase (VNPS - 2021)
Team Members	Sanjana Desai Swanand Vaishampayan Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	• System will help to detect low quality deepfake videos • People can use the system to detect the suspicious deepfake videos which are circulated online • Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. • It will help to avoid the false defamation of public figures
Venue/Organization by Date	Vidyavardhini's College of Engineering and Technology, Vasai, held on 14th May 2021
Position Obtained	1st Prize

Achievement Record (Academic Year 2020-21)

Event Name	NCRENB Paper Publication
Team Members	Sanjana Desai Swanand Vaishampayan Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	• System will help to detect low quality deepfake videos • People can use the system to detect the suspicious deepfake videos which are circulated online • Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. • It will help to avoid the false defamation of public figures
Venue/Organization by Date	Viva Institute of Technology, Virar, held on 5-6 th March, 2021
Position Obtained	1st Prize

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

Achievement Record (Academic Year 2020-21)

Event Name	Prakalp-2021
Team Members	Sanjana Desai Swanand Vaishampayan Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	• System will help to detect low quality deepfake videos • People can use the system to detect the suspicious deepfake videos which are circulated online • Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. • It will help to avoid the false defamation of public figures
Venue/Organization by Date	St. Francis institute of technology, Borivali, held on 22nd April 2021
Position Obtained	Participated
Event Name	International Conference on Sentimental Analysis and Deep Learning (ICSADL2021)
Team Members	Sanjana Desai Swanand Vaishampayan Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.

Achievement Record (Academic Year 2020-21)

Benefit to Society	• System will help to detect low quality deepfake videos • People can use the system to detect the suspicious deepfake videos which are circulated online • Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. • It will help to avoid the false defamation of public figures
Venue/Organization by Date	Tribhuvan University, Nepal and Prince of Songkla University, Thailand, held on 18-19 th March, 2021
Position Obtained	Certificate of Paper Presentation

Achievement Record (Academic Year 2020-21)

Event Name	15th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2020-21
Team Members	Sanjana Desai Swanand Vaishampayan Neeraj Guhagarkar
Brief Description	A NOVEL APPROACH TO DETECT LOW QUALITY DEEPFAKE VIDEOS.
Benefit to Society	• System will help to detect low quality deepfake videos • People can use the system to detect the suspicious deepfake videos which are circulated online • Social media platforms can incorporate this system in their app/browsers so as to avoid the spreading of deepfakes. • It will help to avoid the false defamation of public figures
Venue/Organization by Date	University of Mumbai
Position Obtained	Participated

Achievement Record (Academic Year 2020-21)

Event Name	e-Yantra Innovation Challenge (eYIC) 2020-21
Team Members	Mohhamed Faraaz Biyabani Priya Pathak Saumyaranjan Parida
Brief Description	DCroSS - Disaster Crowdsourcing and Support System
Benefit to Society	Disaster Management
Venue/Organization by Date	IIT Mumbai
Position Obtained	Bronze category
Photographs	

Department of Electrical Engineering

Students Achievement Report.

Event: Participated Ranked Top 21 in E-yantra ideas competition
Venue: Powai, Mumbai
Host: IIT Bombay
Position: Participated
Students: Mundayat Sreetish Ravindran
Date: 7/10/2020

Mundayat Sreetish Ravindran participated in the Participated Ranked Top 21 in E-yantra ideas competition which was Organized at IIT Bombay in Powai, Mumbai. Mundayat Sreetish Ravindran has Participated in it.

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

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

Certificate of Merit

This is to certify that *Sreetish Ravindran Mundayat*, a student from *VIVA Institute of Technology* has participated in the e-Yantra Ideas Competition (eYIC 2019-20). He/She is a member of the team having the following team members,

1. *Reethik Raju Thota*
2. *Akash Sushil Tripathi*
3. *Pravin Jodharam Choudhary*
4. *Sreetish Ravindran Mundayat*

Mentored By: *KUSHAL SUVARNA*

The team has been selected as one of the *21* finalist teams out of *321* teams. This team demonstrated their project titled *Automated Sea Bin* at the e-Yantra National Finals 2019-20 held on *July 10th-12th, 2020*.

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

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

Certificate of Merit: awarded to finalist teams
Certificate of Participation: awarded to teams at the Regional Finals of the competition

Department of Electrical Engineering

Students Achievement Report.

Event: THE WORLD RECORD OF "MAXIMUM DISTANCE COVERED BY CYCLIST COLLECTIVELLY
CARRYING INDIAN NATIONAL FLAG IN ONE DAY (MULTIPLE VENUES)"
Venue: CHANDIGARH, INDIA
Host: INTERNATIONAL BOOK OF RECORDS
Position: Participated
Students: MIHIR RINA NANJIANI
Date: 1/26/2021

MIHIR RINA NANJIANI participated in the THE WORLD RECORD OF "MAXIMUM DISTANCE COVERED BY CYCLIST COLLECTIVELLY CARRYING INDIAN NATIONAL FLAG IN ONE DAY (MULTIPLE VENUES)" which was Organized at INTERNATIONAL BOOK OF RECORDS in CHANDIGARH, INDIA. MIHIR RINA NANJIANI had achieved the Participated Certificate in it.


CERTIFICATE
OF PARTICIPATION
MIHIR RINA NANJIANI
PARTICIPATED IN THE RECORD EVENT :
THE WORLD RECORD OF "MAXIMUM DISTANCE COVERED BY CYCLIST COLLECTIVELY CARRYING INDIAN NATIONAL FLAG IN ONE DAY (MULTIPLE VENUES)"
IS ACHIEVED BY INDIAN FLAG RUNNERS,
AMBERNATH BADLAPUR CYCLING CLUB, PACEWALK (INDIA)
ON 26TH JANUARY 2021 AT CHANDIGARH, INDIA.
220 CYCLIST COVERED 15840 KM COLLECTIVELY IN ONE DAY FROM ALL OVER INDIA
AT MULTIPLE VENUES BY CARRYING NATIONAL FLAG OF INDIA
THIS CERTIFICATE DOES NOT NECESSARILY DENOTE AN ENTRY INTO ANY PRODUCT DISTRIBUTED OR OWNED BY INTERNATIONAL BOOK OF RECORDS AND MUST NOT TO BE REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION OF INTERNATIONAL BOOK OF RECORDS.
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VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: National Level Quiz Competition 'SPARK', based on 'Electrical Power Domain'
Venue: KOPARKHAIRANE, NAVI MUMBAI
Host: LOKMANYA TILAK COLLEGE OF ENGINEERING
Position: Participated
Students: ANIKET S. MURUDKAR
Date: 6/10/2020

ANIKET S. MURUDKAR participated in the National Level Quiz Competition 'SPARK', based on 'Electrical Power
Domain' which was Organized at LOKMANYA TILAK COLLEGE OF ENGINEERING in KOPARKHAIRANE, NAVI MUMBAI. ANIKET S. MURUDKAR has Participated in it.

LTJSS's

LOKMANYA TILAK COLLEGE OF ENGINEERING

KOPARKHAIRANE, NAVI MUMBAI

STUDENT COUNCIL OF ELECTRICAL ENGINEERING
IEEE LTCOE STUDENT BRANCH

LTCE CELEBRATING 25 YEARS

CERTIFICATE

OF APPRECIATION

IEEE

This is certify that,

ANIKET.S.MURUDKAR

has successfully completed the **National Level Quiz Competition 'SPARK',** based on **'Electrical Power Domain'**, has secured **3rd** place with a score of **88%** Organized by **Dept. of Electrical Engineering**, in association with **SCEE & IEEE**, Lokmanya Tilak College of Engineering, Navi Mumbai, conducted on **10 June to 12 June 2020**

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

Prof. NEELAM PINJARI SCEE FACULTY INCHARGE	Dr. SHILPA KAPSE IEEE LTCOE STUDENT BRANCH COUNSELOR	Dr. C. M. WANKHADE HOD ELECTRICAL DEPARTMENT	Dr. VIVEK SUNNAPWAR PRINCIPAL - LTCOE

Department of Electrical Engineering

Students Achievement Report.

Event: Utilization of Electrical Energy
Venue: Byculla, Mumbai
Host: M.H. Saboo Siddik Polytechnic
Position: Participated
Students: Patil Chinmay Rajesh
Date: 5/27/2021

Patil Chinmay Rajesh participated in the Utilization of Electrical Energy which was Organized at M.H. Saboo Siddik Polytechnic in Byculla, Mumbai. Patil Chinmay Rajesh has Participated in it.


ANJUMAN-I-ISLAM'S
M.H.SABOO SIDDIK POLYTECHNIC
8, SABOO SIDDIK POLYTECHNIC ROAD BYCULLA,MUMBAI - 400 008.

CERTIFICATE
of Achievement

This is to certify that

Mr. / Ms. Patil Chinmay Rajesh

has successfully completed the online State level Quiz competition on Utilization of Electrical Energy, Course Code 22626 with 100% conducted by "Electrical Engineering Department" of M.H.Saboo Siddik Polytechnic on 5/27/2021

Course Teacher
Ms.Jothi.J

Head of Department
Ms. M.K.Vani

Principal
Ms. Zaibunnisa Malik

Achievements of EXTC Deparment.

A.Y. 2020-21

EVENT: COVID 19 National Bio Informatics Online Hackathon. - Year 2020
HOST: COVID 19 National Bio Informatics
VENUE: ONLINE
POSITION: Awarded the Citation as STATE LEVEL full stacker at "Intermediate level"
STUDENTS: Mr. Reethik Thota, Ms. Riddhi Kadam, Aakash Tripati & Mr. Pravin Choudhary

COVID-19 NATIONAL BIO INFORMATICS ONLINE HACKATHON

Certificate Three Month virtual Hackathon Internship

The COVID -19 National Bioinformatics Online Hackathon was held from 29 April to 03 August 2020 nearly three months. Hackathon evaluated the skills of individual full stackers or a full stacker with support of up to five members as team in developing Android App and mobile responsive web for all the 36 states and union territories (UT) covering 26 modules over three phases. Competition tech stack limits for Android app development was XML, Java, PHP and MYSQL; for mobile responsive web was HTML, Angular JS, PHP and MYSQL. Model Disaster Risk Management Apps from Climate Smart Technologies was provided for referencing and build their apps or web based on it. The first round was for 15 days from 29 April 2020 to 14 May 2020 and participants were assigned one state or UT to develop all the 26 modules. For the second round a second state was assigned to develop all the 26 modules from 19 May 2020 to 08 June 2020 for another 21 days together with first round making it a short-term virtual internship. The third round was held between 8 June 2020 to 03 August 2020 becoming a 3 month long virtual internship for remaining 34 States and UTs for all 26 modules to test the endurance, ability to replicate their own coding, increase speed, handle large data etc.

Team Lead Members

Team

Mr. REETHIK THOTA (2020-04-10597) as team lead and along with team members Ms. RIDDHI KADAM, Mr. AKASH TRIPATHI and Mr. PRAVIN CHOUDHURY had completed the following parts of the hackathon

Hackathon Rounds	First	Second	Third
States and UT completed	1	2	36
Number of Android App Modules completed	10	15	25
App (Xml / other)	XML	XML	XML
App Front end (Java / other)	Java	Java	Java
App back end (PhP/other)	Other - firebase	Other - firebase	Other - firebase
App Database (Myaql/Other)	Other -firebase	Other - firebase	Other - firebase

He has been awarded the citation as STATE LEVEL full stacker at " Intermediate level" for being among the top 50 team for Android App development.

VIVA Institute of Technology At: Shirgaon Post: Virar Tal.: Vasai, Dist. Palghar VIRAR (EAST)

Department of Electronics and Telecommunication Engineering

EVENT: COVID 19 National Bio Informatics Online Hackathon. - Year 2020
HOST: COVID 19 National Bio Informatics
VENUE: ONLINE
POSITION: Awarded the Citation as STATE LEVEL full stacker at "Intermediate level"
STUDENTS: NILESH OHOL

COVID-19 NATIONAL BIO INFORMATICS ONLINE HACKATHON

Certificate Three Month Virtual Hackathon Internship

The COVID-19 National Bioinformatics Online Hackathon was held from 29 April to 03 August 2020 nearly three months Hackathon evaluated the skills of individual full stackers or a full stacker with support of up to five members as team in developing android App and mobile responsive web for all the 36 states and union territories (UT) covering 28 modules over three phases. Competition tech stack for the Android app development was XML, Java, PHP and MYSQL; for mobile responsive web was HTML, Angular JS, PHP and MYSQL. Model Disaster Risk Management apps from Climate Smart Technologies was provided for referencing and build their apps or web based on it. The first round was for 15 days from 29 April 2020 to 14 May 2020 and participants were assigned one state or UT to develop all the 28 modules. For the second round a second state was assigned to develop all the 28 modules from 15 May 2020 to 05 June 2020 for another 21 days together with first round making it a short term virtual internship. The third round was held between 6 June 2020 to 03 August 2020 becoming a 3 month long virtual internship for remaining 34 states and UTs for all 28 modules to test the endurance ability to replicate their own coding, increase speed, handle large data and Three Month Virtual Hackathon Internship.

Mr. Nilesh Dhol (2020-04-10208) himself as a full stacker took part and completed the following parts of the hackathon

Hackathon Rounds	First	Second	Third
States and UT completed	1	2	[illegible]
Number of Android App Modules completed	[illegible]	14	22
App (XML / Other)	XML	XML	XML
App front end (Java / Other)	[illegible]	Java	Java
App back end (PHP/Other)	Other - Firebase	Other - Firebase	Other - Firebase
App Database (MySQL/Other)	Other - Firebase	Other - Firebase	Other - Firebase

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He has been awarded the **citation as START LEVEL** full stacker as **"Basic Level"** for being **among the top 50 team** for Android App development

EVENT: "Innovation Express 2021"
HOST: Times of India Organization
VENUE: ONLINE
POSITION: 1st Prize
STUDENTS: Ms. Rubini Pulliadi, Mr. Jiteshkumar Yadav & Mr. Suchan Khade

BRAINWAVE-CONTROLLED WHEELCHAIR

The first spot was bagged by a group of engineering students from VIVA Institute of Technology, Virar, Maharashtra. Rubini Anandam Pulliadi, 21, Suchan Savji Khade, 25 and Jiteshkumar Uttam Yadav, 23, students of BE electronics and telecommunications, created a brainwave-controlled wheelchair to help people paralysed below their neck. Their guide, Prof Nutan Chandrakant Malekar, said the wheelchair includes a brainwave detecting sensor which can be worn like a headband. "Based on some parameters, when the person concentrates and gives directions, the wheelchair moves accordingly," Prof Malekar said, adding the sensor costs around Rs 6,000. Rubini said they plan to design a wheelchair with a capacity of holding 80kg and want to equip it with machine learning to increase its efficiency.

YOUNG GUNS: Suchan Savji Khade, Rubini Anandam Pulliadi and Jiteshkumar Yadav

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

EVENT: "E-Waste Disposal Awareness Research Paper Presentation" and E-Waste Disposal Awareness Quiz Competition
HOST: Satish Pradhan Dnyanasadhana College, Thane
VENUE: ONLINE
POSITION: 1st Prize And 2nd Prize respectively
STUDENTS: Ms. Tanvi Aswani & Mr. Aman Morya


SATISH PRADHAN DNYANASADHANA COLLEGE, THANE
(Arts, Science and Commerce)
Department of Computer Science & Information Technology
CERTIFICATE OF RECOGNITION
Awarded To
Mr./Ms Aman Sharad Maurya of Viva Institute of Technology
for being Second Place in
E-Waste Club Activities – "E-Waste Disposal Awareness Quiz Competition"
held on 24th May 2021 through Online Platform
Shri Kamlesh S. Pradhan
Secretary
Dr. Hemant K. Chitte
I/C Principal


SATISH PRADHAN DNYANASADHANA COLLEGE, THANE
(Arts, Science and Commerce)
Department of Computer Science & Information Technology
CERTIFICATE OF RECOGNITION
Awarded To
Mr./Ms Tanvi Bhagwan Aswani of Viva Institute of Technology
for being First Place in
E-Waste Club Activities – "E-Waste Disposal Awareness Quiz Competition"
held on 24th May 2021 through Online Platform
Shri Kamlesh S. Pradhan
Secretary
Dr. Hemant K. Chitte
I/C Principal

Department of Electronics and Telecommunication Engineering

EVENT: "E-Waste Disposal Awareness Research Paper Presentation" and E-Waste Disposal Awareness Quiz Competition
HOST: Satish Pradhan Dnyanasadhana College, Thane
VENUE: ONLINE
POSITION: OUTSTANDING PERFORMANCE
STUDENTS: Ms. Tanvi Aswani & Mr. Aman Morya


SATISH PRADHAN DNYANASADHANA COLLEGE, THANE
(Arts, Science and Commerce)
Department of Computer Science & Information Technology
CERTIFICATE OF APPRECIATION
Awarded To
Mr./Ms Aman Sharad Maurya of Viva Institute of Technology
for being an outstanding performance in
E-Waste Club Activities – "E-Waste Disposal Awareness Research Paper Presentation"
held on 24th May 2021 through Online Platform
Shri Kamlesh S. Pradhan
Secretary
Dr. Hemant K. Chitte
I/C Principal


SATISH PRADHAN DNYANASADHANA COLLEGE, THANE
(Arts, Science and Commerce)
Department of Computer Science & Information Technology
CERTIFICATE OF APPRECIATION
VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Tal.: Vasai, Dist. Palghar VIRAR (EAST)
Awarded To
Mr./Ms Tanvi Bhagwan Aswani of Viva Institute of Technology
for being an outstanding performance in
E-Waste Club Activities – "E-Waste Disposal Awareness Research Paper Presentation"
held on 24th May 2021 through Online Platform
Shri Kamlesh S. Pradhan
Secretary
Dr. Hemant K. Chitte
I/C Principal

EVENT: e-Yantra Innovation Competition 2021
HOST: IIT MUMBAI
VENUE: IIT MUMBAI
POSITION: SILVER MEDAL
STUDENTS: Mr. Shubham Keni, Mr. Govind Naik, Ms. Tanvi Aswani & Mr. Aman Mourya

TE EXTC student of EXTC department at VIVA Institute of Technology Won **Silver Medal** in **National Finals** @ IIT Bombay and Cash Prize worth **Rs.38000/-** for Project titled "**Emergency Communication System**", in **National Finals** of the **e-Yantra Innovation Competition** 2021 (eYIC 2021) - 31St July 2021


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

Certificate of Appreciation

This is to certify that *Prof. NUTAN CHANDRAKANT MALEKAR* of *VIVA Institute of Technology* has mentored the project titled *Emergency Communication System* and participated in the e-Yantra Innovation Challenge (eYIC 2020-21).

He/She is a mentor of the team having the following team members.

1. *Shubham Keni*
2. *GOVIND RATNAKAR NAIK*
3. *Aman Sharad Maurya*
4. *Tanvi Bhagwan Aswani*

This team demonstrated their project at the Finals held on 30th and 31st July, 2021, and was honored with a Silver award.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

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

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

e-yantra
Engineering a better tomorrow

Department of Mechanical Engineering

Students Achievement Report.

Event: HARIT PREM BHARAT MOHOTSAV POSTER MAKING COMPETITION
Host: ISHRAE
Venue: Online
Position: Second Runner Up
Student: Priyanka Paliwal

The poster-making competition was organized on the occasion of HARIT PREM BHARAT MAHOTSAV on 27th January 2021. 17 Students Participated in the competition. The Topic given for the Poster making was "Green India".

It was held on a digital platform, the posters made by participants were published on the official Account of ISHRAE LTCoE Chapter (ISHRAE LTCoE) on a well-known social media site (Instagram) and on the basis of the likes and comments the results were announced. Prizes worth up to Rs.3000/- were distributed by ISHRAE LTCoE Chapter. Priyanka Paliwal won the second runner up place in the same event.

3rd: Miss. Priyanka Paliwal (560 Likes)

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: The Journey Challenge E BAJA Virtuals
Host: SAE India
Venue: Online
Position: 1st
Student: Team Aries

SAEINDIA, a professional Society of Automotive Engineers, announced the start of the Virtual Round of the 15th edition of the much-awaited BAJA SAEINDIA series (Digital Event). Upon successful conduction of the Preliminary round in September 2021, the virtual round is ready to begin in full swing. Embracing the current pandemic challenges, this round will be held on a digital platform involving static as well as dynamic events, considering the risk and health concerns of all stakeholders involved. This round will incorporate Virtual Dynamic events with the help of Automotive Simulation Software, IPGCarMaker, combined with Digital Static Events for the 2022 edition, similar to BAJA SAEINDIA 2021. This includes the Virtual Static Events Evaluation such as Design, Cost, Manufacturing & Sales Presentation as well as the Dynamic Events such as Acceleration, Brake, Gradeability, Suspension & Traction, Manoeuvrability, and All-Terrain Performance held virtually through IPG CarMaker software. Team Aries won the 1st Prize in the virtuals held.

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: Capture the Facade
Host: ISHRAE
Venue: Online
Position: 3rd
Student: Priyanka Paliwal

Ishrae Mumbai Chapter organised a Capture the Facade Competition (Online). It was aimed to help students capture the best facades in our country and explain their design and how it affects the heat load.

Priyanka Paliwal won the third prize in this competition.

STUDENTS IN ISHRAE

ISHRAE

Mumbai Chapter

Lokmanya Tilak College of Engineering

Department of Mechanical Engineering

CERTIFICATE OF APPRECIATION

PROUDLY PRESENTED TO

Priyanka Paliwal

Of VIVA Insitute of Technology for participating and winning the 3rd prize in Capture the facade Competition, Online

P. Warghade

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist.: Palghar
VIRAR (EAST)

Dr. Asfak Jalan

Organized by SAEINDIA Society of Automotive Engineers INDIA

Under the aegis of CHITKARA UNIVERSITY

BAJA SAEINDIA 2021

EMBRACING CHALLENGES

CERTIFICATE OF PARTICIPATION

This is to certify that

SUSHIL MISHRA

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in BAJA SAEINDIA 2021 event as **Faculty Advisor**,

organized by SAEINDIA under the aegis of Chitkara University

from 21st to 25th April 2021.

Sagar Bendre
Jt. Convener
BAJA SAEINDIA 2021

Harshit Merchant
Convener
BAJA SAEINDIA 2021

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist.: Palghar
VIRAR (EAST)

Our Sponsors

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Under the aegis of CHITKARA UNIVERSITY

BAJA SAEINDIA 2021

EMBRACING CHALLENGES

CERTIFICATE OF PARTICIPATION

This is to certify that

AAMEEL SHAIKH

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in BAJA SAEINDIA 2021 event, organized by SAEINDIA under the aegis of Chitkara University from 21st to 25th April 2021.

Sagar Bendre
Jt. Convener
BAJA SAEINDIA 2021

Harshit Merchant
Convener,
BAJA SAEINDIA 2021

Our Sponsors

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

Organized by SAEINDIA Society of Automotive Engineers INDIA

Under the aegis of CHITKARA UNIVERSITY

BAJA SAEINDIA 2021

EMBRACING CHALLENGES

CERTIFICATE OF PARTICIPATION

This is to certify that

ANKIT YADAV

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in BAJA SAEINDIA 2021 event, organized by SAEINDIA under the aegis of Chitkara University from 21st to 25th April 2021.

Sagar Bendre
Jt. Convener
BAJA SAEINDIA 2021

Harshit Merchant
Convener,
BAJA SAEINDIA 2021

Our Sponsors

VIVA INSTITUTE OF TECHNOLOGY
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Tal.: Vasai,
Dist.: Palghar
VIRAR (EAST)

Organized by SAEINDIA Society of Automotive Engineers INDIA

Under the aegis of CHITKARA UNIVERSITY

BAJA SAEINDIA 2021

EMBRACING CHALLENGES

CERTIFICATE OF PARTICIPATION

This is to certify that

ANUJ VASAIKAR

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in BAJA SAEINDIA 2021 event, organized by SAEINDIA under the aegis of Chitkara University from 21st to 25th April 2021.

Sagar Bendre
Jt. Convener
BAJA SAEINDIA 2021

Harshit Merchant
Convener,
BAJA SAEINDIA 2021

Our Sponsors

VIVA INSTITUTE OF TECHNOLOGY
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Tal.: Vasai,
Dist.: Palghar
VIRAR (EAST)

Organized by SAEINDIA Society of Automotive Engineers INDIA

Under the aegis of CHITKARA UNIVERSITY

BAJA SAEINDIA 2021

EMBRACING CHALLENGES

CERTIFICATE OF PARTICIPATION

This is to certify that

HARDIK SHELAR

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in BAJA SAEINDIA 2021 event, organized by SAEINDIA under the aegis of Chitkara University from 21st to 25th April 2021.

Sagar Bendre
Jt. Convener
BAJA SAEINDIA 2021

Harshit Merchant
Convener,
BAJA SAEINDIA 2021

Our Sponsors

VIVA INSTITUTE OF TECHNOLOGY
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Tal.: Vasai,
Dist.: Palghar
VIRAR (EAST)

Organized by SAEINDIA Society of Automotive Engineers INDIA

Under the aegis of CHITKARA UNIVERSITY

BAJA SAEINDIA 2021

EMBRACING CHALLENGES

CERTIFICATE OF PARTICIPATION

This is to certify that

JAYENDRA TELI

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in BAJA SAEINDIA 2021 event, organized by SAEINDIA under the aegis of Chitkara University from 21st to 25th April 2021.

Sagar Bendre
Jt. Convener
BAJA SAEINDIA 2021

Harshit Merchant
Convener,
BAJA SAEINDIA 2021

Our Sponsors

VIVA INSTITUTE OF TECHNOLOGY
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Post: Virar,
Tal.: Vasai,
Dist.: Palghar
VIRAR (EAST)

STUDENTS ISHRAE

NATIONAL STUDENT DESIGN COMPETITION 2020-21

CERTIFICATE OF APPRECIATION

Presented to

Priyanka Dilip Paliwal

VIVA Institute of Technology

ISHRAE Mumbai Chapter

for submitting a innovative design of
Air Conditioning System for an IT Company for better Indoor Air Quality

under ISHRAE NSDC - 2020-21

National President

National Student Chair

Late Shri. 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
E-mail: contact@viva-technology.org / principalvit@vivacollege.org

Students Achievement Report

EVENT: SWAR SADHAN SAMITI EVENT- TABALA COMPETITION

Student: Piyush Naik

Date: October 2019

Piyush Naik participated in SWAR SADHAN SAMITI EVENT- TABALA COMPETITION in October 2019.

SWAR SADHAN SAMITI EVENT- TABALA COMPETITION

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

EVENT: UNIVERSITY YOUTH FESTIVAL

Student: Piyush Naik

Date: JAN-FEB 2020

POSITION: 3 ZONAL ROUND, 2 CONSOLATION IN FINALS

Piyush Naik participated in University Youth Festival- TABALA COMPETITION in Jan-Feb 2020

UNIVERSITY YOUTH FESTIVAL

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar Tal.: Vasai, Dist. Palghar VIRAR (EAST)

CIVIL ENGINEERING DEPARTMENT

EVENT: JUNIOR MUMBAI -2, SANTACRUZ EVENT- BODYBULIDING

STUDENT: SAMEER SUBHASH JOSHI

DATE: DEC 2019

POSITION: First IN 55 KG

Sameer Subhash Joshi participated in JUNIOR MUMBAI -2, SANTACRUZ EVENT- BODYBULIDING in Dec 2019

JUNIOR MUMBAI -2, SANTACRUZ EVENT- BODYBULIDING

EVENT: SAME GURUNJ, PAREL EVENT- POSING

Student: SAMEER SUBHASH JOSHI

Date: DEC 2019

POSITION: 4TH IN OVERALL

Sameer Subhash Joshi participated in SAME GURUNJ, PAREL EVENT- POSING in December 2019.

SAME GURUNJ, PAREL EVENT- POSING

EVENT: MAGALEIO 2020 ST. JOHN COLLEGE, PALGHAR

Student: NIHAR CHURI

Date: JAN 2020

POSITION: THIRD

Nihar Churi participated in MAGALEIO 2020 ST. JOHN COLLEGE, PALGHAR in Jan 2020

MAGALEIO 2020 ST. JOHN COLLEGE, PALGHAR

EVENT: MAGALEIO 2020 ST. JOHN COLLEGE, PALGHAR

Student: Pavan Pujari

Date: JAN 2020

POSITION: THIRD

Pavan Pujari participated in MAGALEIO 2020 ST. JOHN COLLEGE, PALGHAR in Jan 2020

MAGALEIO 2020 ST. JOHN COLLEGE, PALGHAR

EVENT: RINK FOOTBALL SCHOOL AND COLLEGE

Student: ARJUN AMBAVKAR BHAGYESH KADAM

Date: FEB 2020

POSITION: FIRST

Arjun Ambavkar and team participated in EVENT- RINK FOOTBALL SCHOOL AND COLLEGE in Feb 2020

EVENT- RINK FOOTBALL SCHOOL AND COLLEGE

EVENT: L R TIWARI COLLEGE GROUP EVENT: VOLLYBALL

Student: PEDNEKAR SAURAV, DAWANE PRASHANT

Date: FEB 2020

POSITION: FIRST

Pednekar Saurav and team participated in L R TIWARI COLLEGE GROUP EVENT: VOLLYBALL in Feb 2020

L R TIWARI COLLEGE GROUP EVENT: VOLLYBALL

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

EVENT: DRUG ABUSE PREVENTION, UNIVERSITY LEVEL WORKSHOP PARTICAPATION

Student: SAURAB PANDEY

Date: OCTOBER 2019

Saurabh Pandey participated in DRUG ABUSE PREVENTION, UNIVERSITY LEVEL WORKSHOP in October 2019.

KISHINCHAND CHELLARAM COLLEGE
Vidyasagar Principal K.M. Kundnani Chowk, 124, D. W. Road, Churchgate, Mumbai – 400 020

CERTIFICATE

This is to certify that Mr./ Ms. Saurabh Pandey from VIVA Institute of Technology has participated in One Day University Level Workshop on 'Drug Abuse Prevention' organised by NSS Cell, Kishinchand Chellaram College in association with National Institute Of Social Defence (NISD) supported by NSS Cell, Higher and Technical Education, Government of Maharashtra and NSS Cell, University of Mumbai on October 05, 2019.

Mr. Sudhir S. Puranik
Director, NSS Cell
University of Mumbai

Dr. Hemlata K. Bagla
Principal
Kishinchand Chellaram College

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist: Palghar
VIRAR (EAST)

DRUG ABUSE PREVENTION, UNIVERSITY LEVEL WORKSHOP PARTICAPATION

EVENT: CARROM RAHUL GROUP OF SCHOOL AND COLLEGE

Student: Arjun J Ambavkar

Date: Feb 2020

Arjun J Ambavkar participated in **CARROM RAHUL GROUP OF SCHOOL AND COLLEGE** in Feb 2020.

CARROM RAHUL GROUP OF SCHOOL AND COLLEGE

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2019-20)

Event Name	Smart India Hackathon 2019 hardware edition (SIH 2019)
Team Members	Tanmay Talele, Manish Chavan, Aashish Jethwa, Sanika Patil, Juilee Bhombe
Brief Description	Team Quebik developed an innovative technology which converts traffic signals into a unified smart system. Leveraging the much-talked-about Internet of Things (IoT), they solved traffic congestion which is a daily occurrence for the traffic harassed citizen. Every junction (traffic signal) has a camera with Raspberry Pi sensors fixed. This records data like traffic density and type of vehicles on the road. Based on this data, it sets timers on signals and shared this data with other signals.
Benefit to Society	To solve traffic congestion
Venue/Organization by Date	Reva university, Bangalore on 8th July- 12th July
Position Obtained	1st Rank (with cash prize Rs. 75,000/-)
Photographs	

Achievement Record (Academic Year 2019-20)

Event Name	52nd Inter Collegiate/ Institute/ Department Cultural Youth fest 2019
Team Members	Neeraj Guhagarkar, Vishal Rasal
Brief Description	Western Group Song
Venue/Organization by Date	Abhinav college of Arts, Commerce and Science, Bhayander
Position Obtained	3rd Rank
Event Name	52nd Inter Collegiate/ Institute/ Department Cultural Youth fest 2019
Team Members	Sunetra Mhaskar, Bhagyashree Gangan
Brief Description	Skit Group A (Marathi)
Venue/Organization by Date	Abhinav college of Arts, Commerce and Science, Bhayander
Position Obtained	1st Rank

Achievement Record (Academic Year 2019-20)

Event Name	52nd Inter Collegiate/ Institute/ Department Cultural Youth fest 2019
Team Members	Visal Rasal
Brief Description	Natyasangeet Vocal Solo
Venue/Organization by Date	Abhinav college of Arts, Commerce and Science, Bhayander, August 19, 2019
Position Obtained	2nd Rank

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Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2019-20)

Event Name	52nd Inter Collegiate/ Institute/ Department Cultural Youth fest 2019
Team Members	Visal Rasal
Brief Description	Indian Light Vocal Solo
Venue/Organization by Date	Abhinav college of Arts, Commerce and Science, Bhayander, August 19, 2019
Position Obtained	3rd Rank

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2019-20)

Event Name	52nd Inter Collegiate/ Institute/ Department Cultural Youth fest 2019
Team Members	Visal Rasal
Brief Description	Indian Classical Vocal Solo
Venue/Organization by Date	Abhinav college of Arts, Commerce and Science, Bhayander, August 19, 2019
Position Obtained	2nd Rank

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2019-20)

Event Name	52nd Inter Collegiate/ Institute/ Department Cultural Youth fest 2019
Team Members	Rutika Naik, Swikruti Kore
Brief Description	Indian Folk Dance
Venue/Organization by Date	Abhinav college of Arts, Commerce and Science, Bhayander, August 19, 2019
Position Obtained	Consolation Prize

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2019-20)

Event Name	eYIC 2019-20 (e-Yantra Ideas Competition)
Team Members	1. Rahul Mishra 2. Aditi Tare 3. Simran Takur 4. Vishal Bangera
Brief Description	Project on "Abhiswarika: An Intelligent Waste Collector and Classifier Bot"
Benefit to Society	Nowadays, trash has become a problem in the society and the ecosystem due to the way people get rid of it. This project is can replace the traditional way of dealing with waste.
Venue/Organization by Date	K.J. Somaiya College of Engineering, Mumbai on 27th & 28th February 2020
Position Obtained	Participation
Photographs	

Department of Electrical Engineering

Students Achievement Report.

Event: National Level Online Project Competition 'Tantragyan 2K20
Venue: Navi Mumbai
Host: LTJSS's Lokmanya Tilak College Of Engineering
Position: 2nd
Students: SUHAS SAMBHAJI PAWAR
Date: 7/20/2020

SUHAS SAMBHAJI PAWAR participated in the National Level Online Project Competition 'Tantragyan 2K20 which was Organized at LTJSS's Lokmanya Tilak College Of Engineering in Navi Mumbai. SUHAS SAMBHAJI PAWAR had achieved the 2nd Rank in it.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

LTJSS's
LOKMANYA TILAK COLLEGE OF ENGINEERING

CERTIFICATE OF APPRECIATION

IEEE

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Suhas Sambhaji Pawar

OF Viva Institute Of Technology, Virar

HAS SECURED **2nd** PLACE IN **Degree** CATEGORY

FOR THE PROJECT TITLED

Power Grid Monitoring And Controlling By Using Iot

IN THE NATIONAL LEVEL ONLINE PROJECT COMPETITION 'TANTRAGYAN 2020' ON JULY 20, 2020

PROF. NEELAM PINJARI	DR. C. M. WANKHADE	DR. VIVEK SUNPAWAR
FACULTY INCHARGE	CONVENOR	PRINCIPAL

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

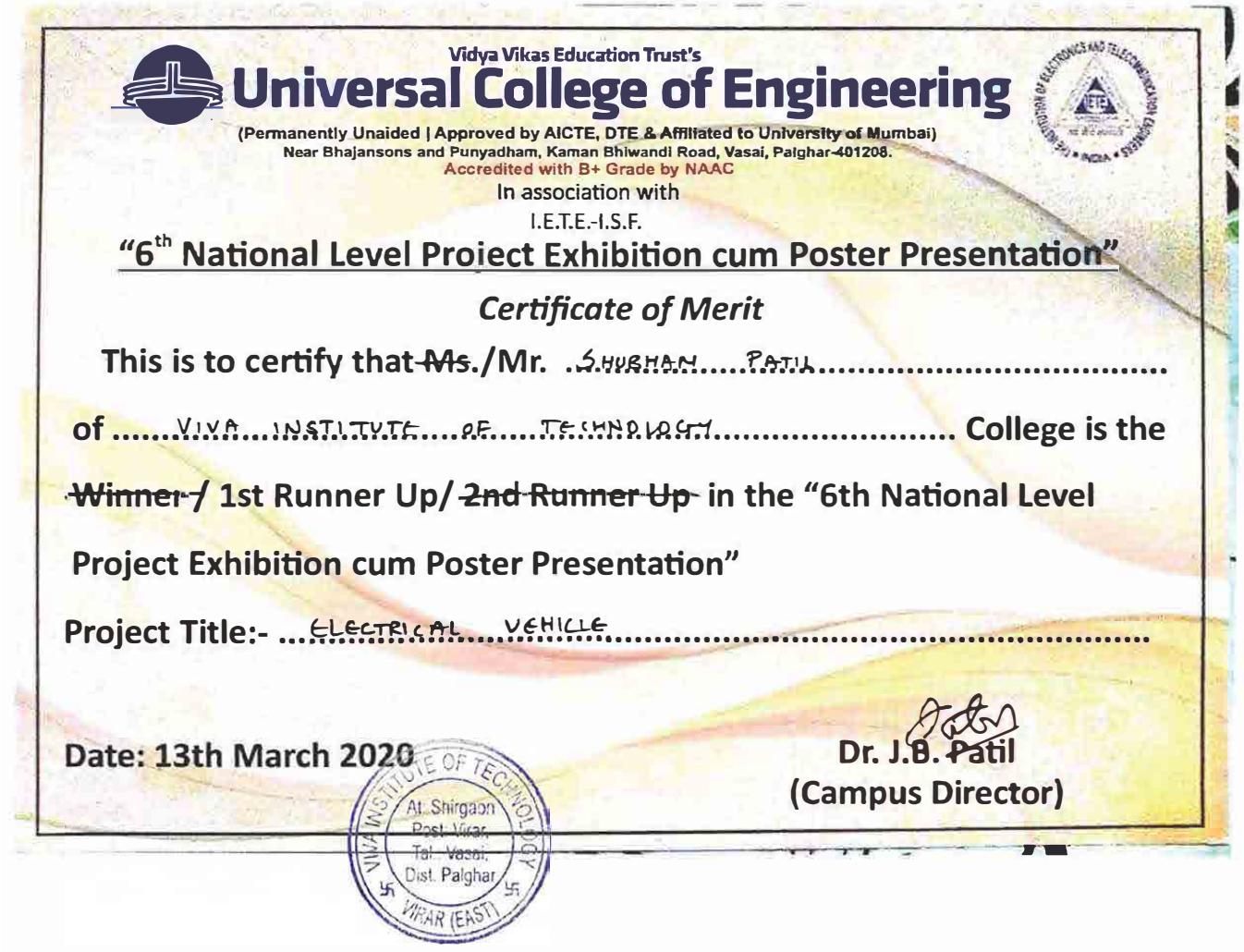
At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: 6 th national Level Project Exhibition cum Poster Presentation
Venue: Vasai, Palghar
Host: Universal College of Engineering
Position: 1st Runner-up
Students: Shubham Jagannath Patil, AADITYA GIRISH SAMANT
Date: 3/13/2020

Shubham Jagannath Patil, AADITYA GIRISH SAMANT participated in the 6 th national Level Project Exhibition cum Poster Presentation which was Organized at Universal College of Engineering in Vasai, Palghar. Shubham Jagannath Patil had achieved the 1st Runner-up in it.



Vidya Vikas Education Trust's

Universal College of Engineering

(Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)
Near Bhajansons and Punyadham, Kaman Bhiwandi Road, Vasai, Palghar-401208.
Accredited with B+ Grade by NAAC

In association with
I.E.T.E.-I.S.F.

"6th National Level Project Exhibition cum Poster Presentation"

Certificate of Merit

This is to certify that ~~Ms./~~Mr. SHUBHAM PATIL

of VIVA INSTITUTE OF TECHNOLOGY College is the

~~Winner /~~ 1st Runner Up/ ~~2nd Runner Up~~ in the "6th National Level Project Exhibition cum Poster Presentation"

Project Title:- ELECTRICAL VEHICLE

Date: 13th March 2020

Dr. J.B. Patil
(Campus Director)

VIVA INSTITUTE OF TECHNOLOGY
At. Shirgaon
Post. Virar,
Tal. Vasai,
Dist. Palghar
VIRAR (EAST)

Vidya Vikas Education Trust's

Universal College of Engineering

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Accredited with B+ Grade by NAAC

In association with
I.E.T.E.-I.S.F.

"6th National Level Project Exhibition cum Poster Presentation"

Certificate of Merit

This is to certify that ~~Ms./~~Mr. AADITYA SANANT

of VIVA INSTITUTE OF TECHNOLOGY College is the

~~Winner~~ / 1st Runner Up/ ~~2nd Runner Up~~ in the "6th National Level Project Exhibition cum Poster Presentation"

Project Title:- ELECTRICAL VEHICLE

Date: 13th March 2020

Dr. J.B. Patil
(Campus Director)

VIVA Institute of Technology
At Shirgaon
Post Virar
Tal. Vasai,
Dist. Palghar
VIRAR (EAST)

Achievements of EXTC Deparment.

A.Y. 2019-20

EVENT: Anveshana Science & Engineering Fare 2020 HOST: Anveshana Science & Engineering Fare 2020

VENUE: Nehru Science Center,Worli, Mumbai

POSITION: CONSOLATION
STUDENTS: Mr. Reethik Thota and **Mr. Aakash Tripati**

Anveshana Science & Engineering Fare 2020

EVENT: e-Yantra Ideas Competition
HOST: IIT MUMBAI

VENUE: IIT MUMBAI
POSITION: NATIONAL Finals
STUDENTS: Mr. Reethik Thota, Mr. Aakash Tripati, Mr. Pravin Choudhary

e-Yantra Ideas Competit

EVENT: e-Yantra Ideas Competition
HOST: IIT MUMBAI

VENUE: IIT MUMBAI
POSITION: REGIONAL Finals
STUDENTS: Ms. Mokshada Kesarkar, Ms. Aakansha Bomble, Mr. Nikhil Naidu & Ms. Tejashree Jadhav

e-Yantra Ideas Competition

Department of Mechanical Engineering

Students Achievement Report.

Event: Times Technoxian Water Rocket Championship
Host: IIT Delhi
Venue: Thyagaraj Stadium, Delhi
Position: Third Prize- Cash Prize INR 15000
Students: Team Suyaan

The task at Times Water Rocket challenge was to design and build a water rocket within the specified dimensions robust enough to with stand the pressure and when launched from the launch pad achieves the maximum altitude above ground level. Team Suyaan, from VIVA Institute of Technology won the third place amongst 200 other team and won a cash prize of INR 15000

TIMES TECHNOXIAN

5 INTERNATIONAL ROBOTICS LEAGUE & WORLD ROBOTICS CHAMPIONSHIP

WINNER

TechnoXian 2019

CERTIFICATE

This certificate is presented to

Sayendra Mangesh Peli

for winning Third position in WRC - Water Rocket category
in TechnoXian
held at Thyagaraj Stadium, New Delhi (India)
from 23rd-25th sep'19

Secretary - AICRA

CEO - TechnoXian

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal : Vasai,
Dist. Palghar
VIRAR (EAST)

AICRA

2019

Digital India

TIMES TECHNOXIAN

5th INTERNATIONAL ROBOTICS LEAGUE & WORLD ROBOTICS CHAMPIONSHIP

WINNER

TechnoXian 2019

TX19WRC22219

CERTIFICATE

This certificate is presented to

Siddhesh Vijay Padave.

for winning Third position in ...WRC - Water Rocket... category
in TechnoXian
held at Thyagaraj Stadium, New Delhi (India)
from 23rd-25th sep'19

Secretary, AICRA

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

CEO - TechnoXian

AICRA

2019 WINNER

Digital India
Power To Empower

Department of Mechanical Engineering

Students Achievement Report.

Event: Project Competition
Host: Universal College of Engineering
Venue: UCOE
Position: 1st
Student: Varun Gharat, Jha Balram

Final Year students Jha Balram and Varun Gharat successfully participated in the National Level Project Competition held at Universal College of Engineering and also achieved 1st position for their pathbreaking project on Adaptive Cruise Control.

VIVA INSTITUTE OF TECHNOLOGY
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Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Vidya Vikas Education Trust

Universal College of Engineering

(Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)

CERTIFICATE

OF ACHIEVEMENT

this certificate is proudly presented to:

Varun Gharat

For successfully participating in Project Competition from
VIVA INSTITUTE OF TECHNOLOGY, VIRAR
and secured the **First Position** on 2nd March, 2019

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

DR J B PATIL
PRINCIPAL

Vidya Vikas Education Trust

Universal College of Engineering

(Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)

CERTIFICATE

OF ACHIEVEMENT

this certificate is proudly presented to:

Balram Jha

For successfully participating in Project Competition from
VIVA INSTITUTE OF TECHNOLOGY, VIRAR
and secured the **First Position** on 2nd March, 2019

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

DR J B PATIL
PRINCIPAL

Department of Mechanical Engineering

Students Achievement Report.

Event: SAE E BAJA 2020
Host: SAE-Chitkara University
Venue: Chitkara University
Position: 7th
Student: Team Aries

.Team Aries, in its maiden venture came 7th in their Virtual Events, held at Chitkara University.THE Virtual BAJA is a qualifier for BAJA SAEINDIA 2020. All the teams participating in eBAJA and mBAJA alike have to clear the Virtual BAJA event to be eligible to proceed to the main event. The applicants will be judged on their knowledge of the rule book, the concept of their buggy, the project plan and the design approach is taken, CAE analysis, the Design Failure Mode & Effect Analysis (DFMEA) and Design Validation Plan (DVP), the online test, the presentation, the extempore and the viva sessions. This will be held on July 12 and 13 at the Chitkara University, Chandigarh.

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: ATVC2020
Host: Vadodara Gujarat
Venue: Chitkara University
Position: 1st MMR
Student: Team Aries

ATVC, Aravalli Terrain Vehicle Championship, is a national-level All-Terrain Vehicle designing and racing event. This event has been conducted in association with AICTE (All India Council for Technical Education) and Rajasthan Technical University for the last two years at Kota, Rajasthan. The track of ATVC has been regarded as the toughest track in India. Mega Marketing Round won them the 1st prize. Overall Ranking 12.

INFI LEAGUE
MOTOR SPORTS

ATVC 2020
15th Feb - 19th Feb 2020

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr/Miss Jaydhar Jukaram Nimbare

of Viva institute of Technology *participated in*

Aravalli Terrain Vehicle Championship 2020.

We appreciate his/her participation in the event and wish him/her all the best for his/her future.

INFI LEAGUE MOTOR SPORTS
DIRECTOR

EVENT HEAD
(ATVC)

VIVA INSTITUTE OF TECHNOLOGY
At Shirgaon
Post: Virar,
Tal : Vasai,
Dist : Palghar
VIRAR (EAST)

Parul University | apollo | Acceleration partner | Design Partner | branding blaze | VSD

INFI LEAGUE
MOTOR SPORTS

ATVC 2020
15th Feb - 19th Feb 2020

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr/Miss Anuj Deepak Nasaikar

of Viva institute of Technology *participated in*

Aravalli Terrain Vehicle Championship 2020.

We appreciate his/her participation in the event and wish him/her all the best for his/her future.

INFI LEAGUE MOTOR SPORTS Authorised DIRECTOR (Infi League Motorsport)

EVENT HEAD
(ATVC)

Acceleration partner

Design Partner

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar Tal.: Vasai, Dist. Palghar VIRAR (EAST)


INFI LEAGUE
MOTOR SPORTS
ATVC 2020
15th Feb -19th Feb 2020
CERTIFICATE OF PARTICIPATION
This is to certify that
Mr/Miss Vrushab Mahesh Kamerkar
of Viva institute of Technology participated in
Aravalli Terrain Vehicle Championship 2020.
We appreciate his/her participation in the event and wish him/her
all the best for his/her future.
INFI LEAGUE MOTOR SPORTS
DIRECTOR
EVENT HEAD
(ATVC)
VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal: Vasai
Dist: Palghar
VIRAR (EAST)
Parul University
apollo
Acceleration partner
Design Partner
branding blaze
VSD

INFI LEAGUE
MOTOR SPORTS

ATVC 2020
15th Feb -19th Feb 2020

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr/Miss Dhiraj Raju Bukale

of Niva institute of Technology *participated in*

Aravalli Terrain Vehicle Championship 2020.

We appreciate his/her participation in the event and wish him/her all the best for his/her future.

INFI LEAGUE MOTOR SPORTS Authorised DIRECTOR (Infi League Motorsport)

EVENT HEAD
(ATVC)

VIA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar Tal.: Vasai, Dist. Palghar VIRAR (EAST)

Acceleration partner

Design Partner

INFI LEAGUE
MOTOR SPORTS

ATVC 2020
15th Feb -19th Feb 2020

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr/Miss Joy Chakraborthy

of Viva Institute of Technology *participated in*

Aravalli Terrain Vehicle Championship 2020.

We appreciate his/her participation in the event and wish him/her all the best for his/her future.

League Motor Sports
Authorised
DIRECTOR
(India League Motor Sport)

EVENT HEAD
(ATVC)

VIVA INSTITUTE OF TECHNOLOGY
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Post: Virar,
Tal: Vasai,
Dist. Palghar
VIRAR (EAST)

Shri. Vishnu Waman Thakur Charitable Trust's

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Department of Mechanical Engineering

Students Achievement Report.

Event: Baja SAE 2020
Host: MBaja
Venue: Pithampur
Position: 24 AIR
Student: Team ARTEMIS

The final overall results with complete bifurcation were then displayed on 26th January 2020 on the website of BAJA SAE India declaring that the Team Artemis Racing India of VIVA Inst. Of Tech, Mumbai has ranked 24th in India, 11thin Maharashtra and 3rd in Mumbai.

Mahindra
Rise

CHITKARA UNIVERSITY

25 SAEINDIA

CERTIFICATE OF PARTICIPATION

Mahindra Presents
BAJA SAEINDIA 2020
BREAKING CONVENTIONS

This is to certify that

Advait Chaudhari

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in the Virtual BAJA SAEINDIA 2019, organized by SAEINDIA on 12th & 13th July 2019 at Chitkara University, Punjab.
We wish him/her all the best for the future endeavours.

Shoaib Sadiq
Convener & Program Manager,
BAJA SAEINDIA 2020 - Punjab

S. Balraj
Convener,
BAJA SAEINDIA 2020 - Pithampur

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

Mahindra Rise

CHITKARA UNIVERSITY

SAEINDIA

CERTIFICATE OF PARTICIPATION

Mahindra Presents
BAJA SAEINDIA 2020
BREAKING CONVENTIONS

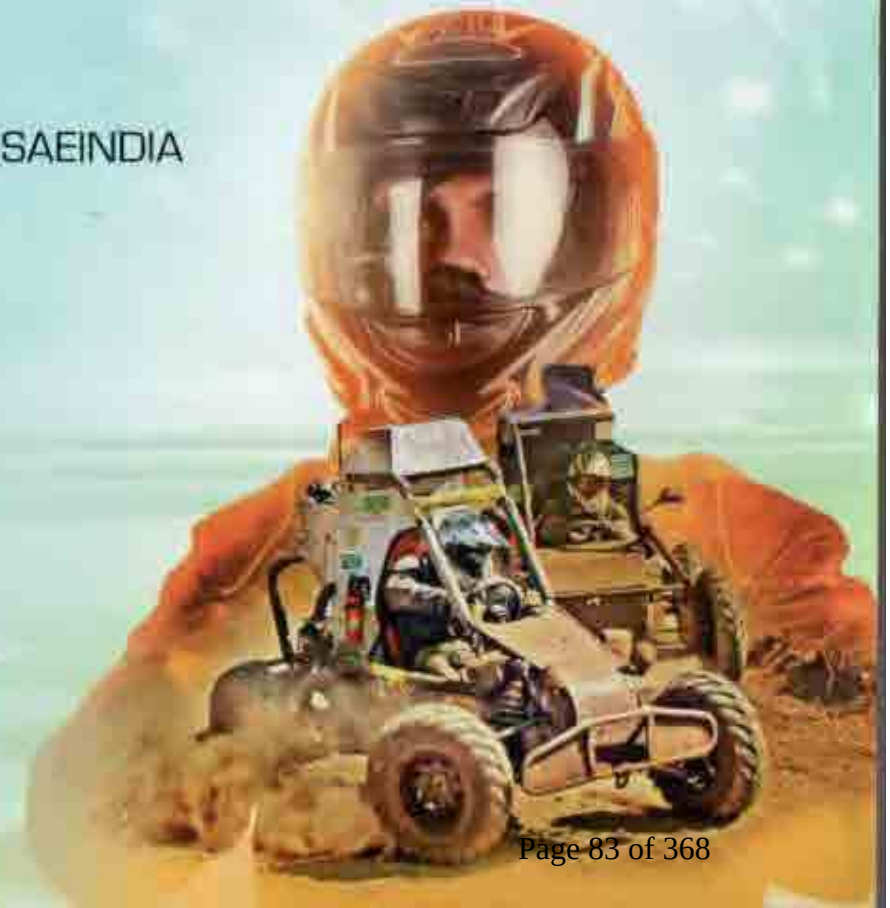
This is to certify that

Ankit Yadav

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in the Virtual BAJA SAEINDIA 2019, organized by SAEINDIA on 12th & 13th July 2019 at Chitkara University, Punjab.
We wish him/her all the best for the future endeavours.



Shoaib Sadiq
Convener & Program Manager,
BAJA SAEINDIA 2020 - Punjab

S. Balraj
Convener
BAJA SAEINDIA 2020 - Pithampur

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

ACMA SIAM ASDC

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Mahindra
Rise

CHITKARA UNIVERSITY

SAEINDIA

CERTIFICATE OF PARTICIPATION

Mahindra presents
BAJA SAEINDIA 2020
BREAKING CONVENTIONS

This is to certify that

Anuj Vasaikar

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in the Virtual BAJA SAEINDIA 2019, organized by SAEINDIA on 12th & 13th July 2019 at Chitkara University, Punjab.
We wish him/her all the best for the future endeavours.

Shoaib Sadiq
Convener & Program Manager,
BAJA SAEINDIA 2020 - Punjab

S. Balraj
Convener,
BAJA SAEINDIA 2020 - Pithampur

VIVA INSTITUTE OF TECHNOLOGY
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Tal. Vasai,
Dist. Palghar
VIRAR (EAST)

Mahindra

CHITKARA UNIVERSITY

SAEINDIA

Mahindra Presents
BAJA SAEINDIA 2020
BREAKING CONVENTIONS

CERTIFICATE OF PARTICIPATION

This is to certify that

Chirag Bhangale

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in the Virtual BAJA SAEINDIA 2019, organized by SAEINDIA on 12th & 13th July 2019 at Chitkara University, Punjab.
We wish him/her all the best for the future endeavours.

Shoaib Sadiq
Convener & Program Manager,
BAJA SAEINDIA 2020 – Punjab

S. Balraj
Convener, TECHNOLOGY
BAJA SAEINDIA 2020 – Rohtak

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Dist. Palghar
VIRAR (EAST)

Mahindra

CHITKARA

CERTIFICATE OF PARTICIPATION

mahindra
BAJA SAEINDIA 2020

BREAKING CONVENTIONS

This is to certify that

Divyesh Vadhvana

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in the Virtual BAJA SAEINDIA 2019, organized by SAEINDIA on 12th & 13th July 2019 at Chitkara University, Punjab.
We wish him/her all the best for the future endeavours.

Shoaib Sadiq
Convener & Program Manager
BAJA SAEINDIA 2020 Punjab

S. Balraj
Convener
BAJA SAEINDIA 2020 Pithampur

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

Mahindra

CHITKARA

SAEINDIA

CERTIFICATE OF PARTICIPATION

Mahindra presents
BAJA SAEINDIA 2020
BREAKING CONVENTIONS

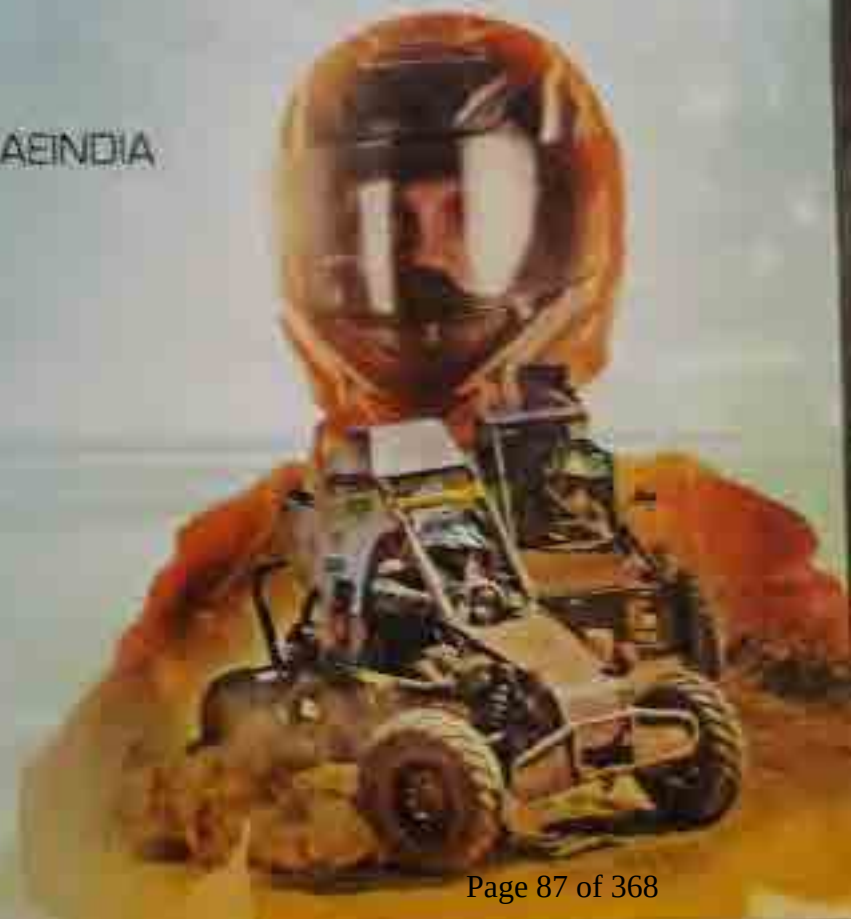
This is to certify that

Jayendra Teli

representing

VIVA INSTITUTE OF TECHNOLOGY

has participated in the Virtual BAJA SAEINDIA 2019, organized by SAEINDIA on 12th & 13th July 2019 at Chitkara University, Punjab.
We wish him/her all the best for the future endeavours.



Shoaib Sadiq
Convener & Program Manager
BAJA SAEINDIA 2020 - Punjab

S. Balraj
Convener
BAJA SAEINDIA 2020 - Pithampur

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Tech chase 2019

TechChase 2019 was held on the 29th and 30th of August, at VIVA Institute of Technology. The inauguration ceremony started in the seminar hall with blessings from principal sir and other dignitaries. The TechChase Shield made by Scrap and Waste Materials was revealed. An important environmental message to plant trees was conveyed by watering a sapling. With this, TechChase kicked off. 20 events across the five 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. Overall, TechChase 2019 was full of amazing experiences and knowledge enhancing for all.

List of Events:

Brain Storming, Bridge-o-menia, Power Tower, Bob the Builder, Balance Me, Beat the Bit, Tangled, Brain 2.0, Logo Quiz Buster, Bang the Code, E- Adventure, Blind Drive, Electric Gun, Loop Game, Lamp Switching, Circuit-a-thon, Robomaze Using Arduino, Digital Cricket, Who's the Sound Engineer, Electrical House, Pit Stop Water Rocket Launcher, EV- Tech Cars, Glider, Bind the Ice

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2018-19)

Event Name	BE Project
Team Members	Suranjan Mhashilkar, Ankit Jain, Meraj Shaikh
Brief Description	Got permission for digital RTO document verification by Dy. Regional Transport Office, Thane
Benefit to Society	Process of document verification will be easier and fast
Venue/Organization by Date	Regional Transport Office, Thane
Position Obtained	Got permission
Photographs	

RTO/Thane/2018/prolett/O.W. 3849
Regional Transport Office
Opp. Central Jail,
Thane (west)-400602
Tele No:- 02225363838
Email id- mh04@mahatranscom.in
Date: 20 AUG 2018

To,
Dr. Arun Kumar
Principal
VIVA Institute Of Technology

Subject:- Permission for BE Final Year Project

Respected Sir,

This letter verifies that (Suranjan Deepak Mhashilkar, Ankit Bharatbhai Jain, Meraj Ali Shaikh) Students of final year Bachelor of Computer Engineering at Viva Institute of Technology, Virar (East) are interested in doing project with RTO (Thane).

RTO (Thane) is permitting these Students to do project entitled "Digitize RTO Integral Verification".

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

(Nandkishor Naik)
Dy. Regional Transport Officer
Thane

Scanned by CamScanner

Achievement Record (Academic Year 2018-19)

Event Name	IoT(Internet of Things)workshop organized by Innovians Technologies and Technex'19, IIT Varanasi
Team Members	Tanmay Talele, Nishant Pimpale, Juilee Bhombe and Aashish Jethwa
Brief Description	Project on "Operate electronics devices using voice command". They are selected for the Grand Finale at Technex'19 to be held at IIT Varanasi. They are one of the selected teams across India.
Benefit to Society	With the help of this technology users can easily control devices by speaking and the results of this are faster.
Venue/Organization by Date	Thadomal Shahani Engg. College, Bandra, Mumbai
Position Obtained	Top Position
Photographs	 Event: VIVA-Tech students at TSEC for IoT workshop

Achievement Record (Academic Year 2018-19)

Event Name	Youth fest 2018
Team Members	Sunetra Mhaskar, Snehal Kamble
Brief Description	One act play
Benefit to Society	Passing a social message
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Third rank

Achievement Record (Academic Year 2018-19)

Event Name	Youth fest 2018
Team Members	Vishal Rasal
Brief Description	Indian classical vocal solo
Benefit to Society	Enriching new generations with cultural heritage
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Second rank

Achievement Record (Academic Year 2018-19)

Event Name	Youth fest 2018
Team Members	Vishal Rasal
Brief Description	Indian light vocal solo
Benefit to Society	Entertainment purpose
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Third rank

Achievement Record (Academic Year 2018-19)

Event Name	Youth fest 2018
Team Members	Shriya Narvekar, Swikruti Kore and Abhijeet Chougule
Brief Description	Indian folk dance
Benefit to Society	Enriching new generations with cultural heritage
Venue/Organization by Date	S.D.S.M. College, Palghar, 2018-19
Position Obtained	Third rank

Achievement Record (Academic Year 2018-19)

Event Name	Eyantra 2019
Team Members	Kunal Mestry, Geeta Lad, Ankit Maurya, Tanmay Talele
Brief Description	Project on "An innovative approach for traffic analysis and management",
Benefit to Society	It was able to overcome the disadvantages regarding the lack of adaptability and flexibility of some previous urban road traffic models andto respond to the increasing necessity to verify the behavior of traffic simulation models.
Venue/Organization by Date	A. C. Patil College of Engineering, Navi Mumbaion 28th February 2019
Position Obtained	Selected for National finals (out of 364 only 20 teams shortlisted)
Photographs	 Event: VIVA-Tech students at A.C. Patil college of engg. for e-Yantra

Achievement Record (Academic Year 2018-19)

Event Name	IIT Varanasi 2019
Team Members	Tanmay Talele, Nishant Pimple, Ashish Jethawa
Brief Description	Organized by Innovians technology, in association with Technex'19,IIT Varanasi India
Venue/Organization by Date	IIT Varanasi, 2019
Position Obtained	First Prize
Photographs	 Event: VIVA-Tech students at IIT Varanasi

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2018-19)

Event Name	Technex'19, Thadomal Shahani Engineering College 2019
Team Members	Tanmay Talele, Nishant Pimple, Ashish Jethawa, Juilee Bhombe
Brief Description	Organized by Innovians technology, in association with Technex'19,IIT Varanasi India
Benefit to Society	An outreach workshop of Technex'19, IIT Varanasi in association with Innovians technology, India
Venue/Organization by Date	Thadomal Shahani Engineering college, 7th and 8th September 2018
Position Obtained	Top Position
Photographs	 Event: VIVA-Tech students at Thadomal Shahani engineering college, for IoT workshop

Achievement Record (Academic Year 2018-19)

Event Name	5th National Project Exhibition, Paper Presentation cum Poster Presentation
Team Members	Suranjan Mhashilkar, Ankit Jain, Meraj Shaikh
Benefit to Society	Process of document verification will be easier and fast
Venue/Organization by Date	Universal college of Engineering, Kaman Rd., Vasai
Position Obtained	1st Runner up
Photographs	 Event: VIVA-Tech students at Universal college of engineering, for Paper cum Poster presentation

Achievement Record (Academic Year 2018-19)

Event Name	VNPS, VCET's National level project showcase 2019
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Brief Description	Sektroo: smart automatad pexstiside sprinkinl bot
Venue/Organization by Date	VCET, 5th April 2019
Position Obtained	1st rank

Achievement Record (Academic Year 2018-19)

Event Name	Innovation Mela, 2019
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Venue/Organization by Date	Atharva college of engineering, Malad, 14th march 2019
Position Obtained	3rd
Photographs	 Event: VIVA-Tech students at Atharva college of engineering, for project presentation

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Dist. Palghar
VIRAR (EAST)

Achievement Record (Academic Year 2018-19)

Event Name	PRAKALP-2019
Team Members	Suranjan Deepak Mhashilkar Ankit Bharatbhai Jain Meraj Ajij Shaikh
Brief Description	YANAKA: digitize RTO document verification system
Venue/Organization by Date	Intercollege project competition by SFIT , Borivali, 30th March 2019
Position Obtained	2nd
Photographs	 Event: VIVA-Tech students at SFIT college, for project competition

Achievement Record (Academic Year 2018-19)

Event Name	CRESCENDO 2019 (IEEE CRCE)
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Venue/Organization by Date	Fr. Conceicao Rodrigues college of engineering, Bandra, 2019
Position Obtained	3rd rank

Achievement Record (Academic Year 2018-19)

Event Name	IET-INTECH 2019
Team Members	Onkar Nagarkar, Nisha Gurav, Pranali Bhoite
Venue/Organization by Date	K. J. Somaiya Institute of engineering, Vadala, 14th march 2019
Position Obtained	1st rank

Achievement Record (Academic Year 2018-19)

Event Name	Imperia Project Competition 2019
Team Members	Dheeraj Prohit, Jay Patel, Praveen Prajapati
Photographs	 Event: Imperia Project Competition 2019, VIVA- Tech
Venue/Organization by Date	CSI, VIVA Tech, Virar, 28th March 2019
Position Obtained	2nd Rank

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
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VIRAR (EAST)

Department of Electrical Engineering

Students Achievement Report.

Event: 5 National Level Project Exhibition cum Poster and Paper Presentation
Venue: Vasai, Palghar
Host: Universal College of Engineering
Position: Participated
Students: Sonal Baban Kamble, Priya Rajendra Patil, Amruta Sunil Dhuri, Ashwini Sanjay Pawar
Date: 08-03-2019

Sonal Baban Kamble, Priya Rajendra Patil, Amruta Sunil Dhuri, Ashwini Sanjay Pawar participated in the 5 National Level Project Exhibition cum Poster and Paper Presentation which was Organized at Universal College of Engineering in Vasai, Palghar.

Universal College of Engineering
Accredited with B+ Grade by NAAC
Near Bhajansons & Punyadham, Kaman Bhiwandi Road, Vasai.
(Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)
DTE Code: 3460
in association with I.E.T.E. - I.S.F. & I.S.A.

5th National Level Project Exhibition cum Poster and Paper Presentation

Certificate of Participation

Awarded to Ms./Mr. AMRUTA SUNIL DHURI
of VIVA INSTITUTE OF TECHNOLOGY
College for participating in "5th National Level Project Exhibition Cum Poster and Paper Presentation" 2019.

VIVA INSTITUTE OF TECHNOLOGY
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Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Date: 5th March 2019

Dr. J. B. Tare
(Campus Director)

Universal College of Engineering

Accredited with B+ Grade by NAAC

Near Bhajansons & Punyadham, Kaman Bhiwandi Road, Vasai.

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DTE Code: 346

in association with I.E.T.E. - I.S.F. & I.S.A.

5th National Level Project Exhibition cum Poster and Paper Presentation

Certificate of Participation

Awarded to Ms./Mr. ASHWINI SANJAY PAWAR

of VIVA INSTITUTE OF TECHNOLOGY

College for participating in "5th National Level Project Exhibition Cum Poster and Paper Presentation" 2019.

Date: 8th March 2019

Dr. J. B. Patil
(Campus Director)

Universal College of Engineering

Accredited with B+ Grade by NAAC

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DTE Code: 3460

in association with I.E.T.E. - I.S.F. & I.S.A.

5th National Level Project Exhibition cum Poster and Paper Presentation

Certificate of Participation

Awarded to Ms./Mr. RIYA RAJENDRA PATIL

of VIVA INSTITUTE OF TECHNOLOGY

College for participating in "5th National Level Project Exhibition Cum Poster and Paper Presentation" 2019.

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

Date: 8th March 2019

Dr. J. B. Patil
(Campus Director)

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: Vertical Marathon
Venue: Cuf parade, Colaba
Host: Maruti Suzuki
Position: Gold medal
Students: Sanket Kamble
Date: 07/10/2018

Maruti Suzuki had organized a vertical marathon for the opening and marketing of their new product and also to promote the idea of being fit always by the slogan "Hum fit toh india fit". The marathon was organized to test your own endurance. Raise awareness toward fitness, healthy lifestyle and to keep running fit so long we can still run. They supported the run to letting go of stress. Friendships and camaraderie are bonded. There is tremendous fun and dynamics at the event and participants burst with energies during the run.

Department of Electronics and Telecommunication Engineering

Achievements

A.Y. 2018-19

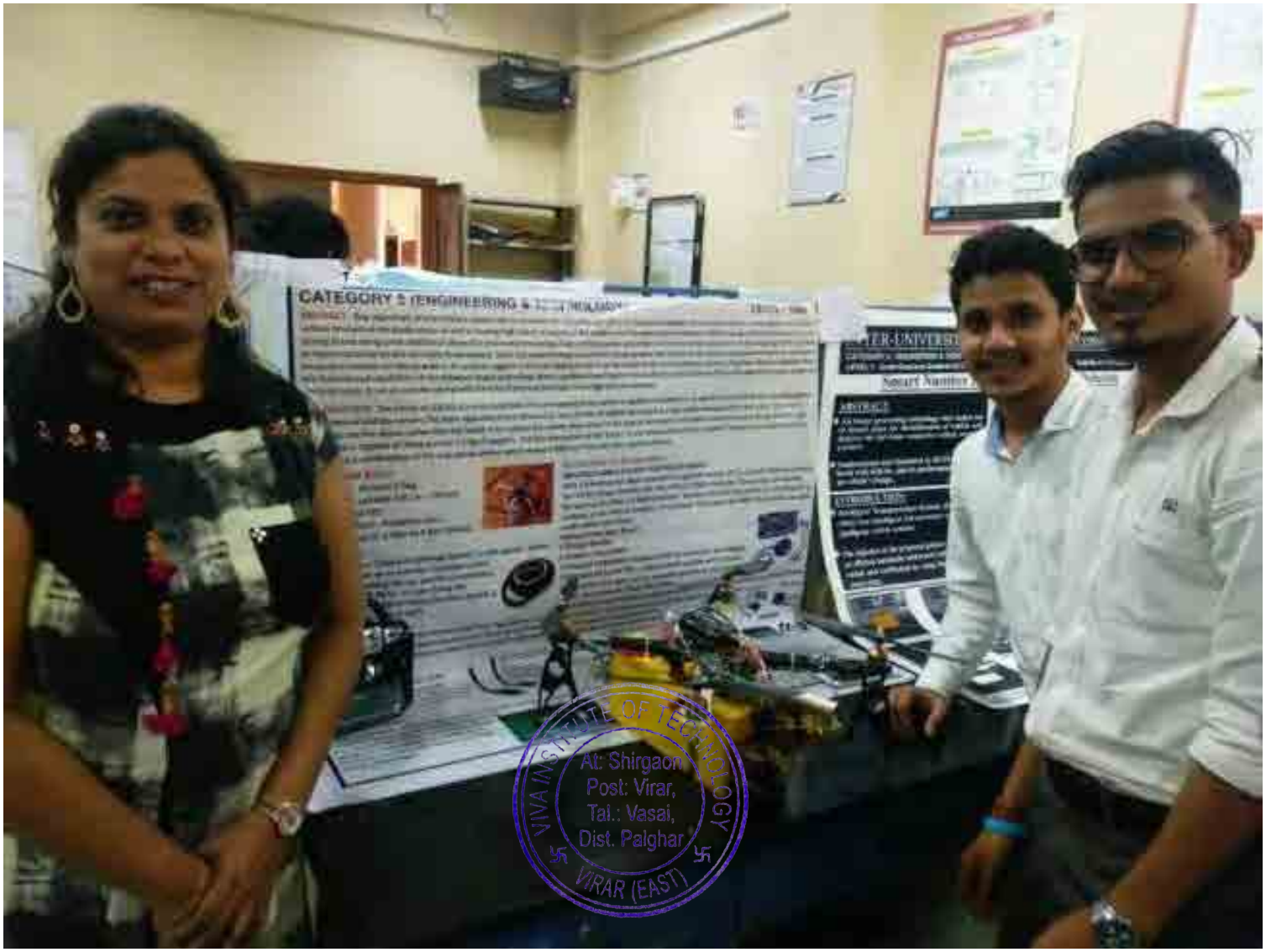
EVENT: National Students Space Challenge 2018
HOST: IIT Kharagpur
VENUE: IIT Kharagpur
POSITION: 3RD PRIZE
STUDENTS: Mr. Rohit Rajesh Pandey, Mr. Nitesh Shetye

National Students Space Challenge 2018

EVENT: Avishkar Research Convention:2018-19
HOST: Ramrao Adik Institute of Technology, Navi Mumbai

VENUE: Ramrao Adik Institute of Technology, Navi Mumbai

POSITION: FINAL ROUND
STUDENTS: Rohit Rajesh Pandey



EVENT: Anveshana Mumbai 2018-2019
HOST: Anveshana Mumbai 2018-2019

VENUE: Nehru Science Center,Worli, Mumbai

POSITION: 1ST PRIZE
STUDENTS: Sufyan Parkar, Rubini Pulliadi

Anveshana Mumbai 2018-2019

EVENT: Anveshana Mumbai 2018-2019
HOST: Anveshana Mumbai 2018-2019

VENUE: Nehru Science Center,Worli, Mumbai

POSITION: CONSOLATION PRIZE
STUDENTS: Sanohi Jatav, Godavari Kedar

Anveshana Mumbai 2018-2019

VIVA INSTITUTE OF TECHNOLOGY
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Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: AD- Mad
Host: ISHRAE
Venue: Kharghar
Position: Second Runner Up

We, Students of VIVA Institute of Technology got an opportunity to participate at Jamboree 6 event organised by Saraswati college of engineering Kharghar on January 19 2019. We the group of 5 members took part in the event named Mad-Ads. Mad ads was an interesting event.

This event as the name suggests was an advertising of HVAC system of which we were to show the experience in an attractive way. Our advertisement depicted an air conditioning system. We were able to express the AC in a efficient way so as this AC (FREEZA) can be the best brand in the HVAC industry .

It was a great event, we enjoyed a lot & we got to learn about interviews, how they are conducted & what is expected of the candidate .All the dignitaries helped and guided us how to face the interviewers questions. We got to see mock interview, quiz, tech-click , technical paper presentations , slam book , maceta design. The event started with breakfast at 10 AM and concluded with refreshments around 7 PM .

We were happy to know that our advertisement was shortlisted for final round. As the prize distribution ceremony came closer we were both excited & confident of winning. There were 10 teams participating from different colleges and we secured 2nd runner up amongst them. It was a knowledge gaining experience and we got a great exposure towards HVAC industry. Some of the memorable moments of the event;

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar
Tal: Vasai
Dist: Palghar
VIRAR (EAST)

SARASWATI Education Society's

SARASWATI College Of Engineering

Learn Live Achieve & Contribute

INDIAN SOCIETY OF HEATING REFRIGERATING AND AIR CONDITIONING ENGINEERS

in association with

SARASWATI COLLEGE OF ENGINEERING

presents

ISHRAE

JAMBOREE 6

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal: Vasai, Dist: Palghar VIRAR (EAST)

CERTIFICATE OF MERIT

This is to certify that,

Mr./~~Miss~~ SHUBHAN. JANGLE of

VIVA INSTITUTE OF TECHNOLOGY college has secured

III rd position in the Event MAD-AOS (TEAM - WILDTECH) organized under the **JAMBOREE 6** on 19th January 2019,organized by ISHRAE Mumbai Chapter in association with ISHRAE SCOE Chapter at Saraswati College of Engineering, Kharghar, Navi Mumbai.

S. Thangrani

PRESIDENT
ISHRAE MUMBAI CHAPTER

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal: Vasai, Dist: Palghar VIRAR (EAST)

STUDENT ACTIVITY CHAIR
ISHRAE MUMBAI CHAPTER

FACULTY COORDINATOR
ISHRAE SCOE CHAPTER

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: Project Presentation
Host: Universal College of Engineering
Venue: Kaman
Position: First Prize

The students of final year showcased their final year project at project exhibition held at Universal College of Engineering. This event is meant to showcase the engineering tenacity of the student community by building models and systems of societal importance.

Chandan Phutane, Neel Rana, Snehal Vhatkar , along with their project and working model of Methane powered Two wheeler won the first prize at the event. They were applauded for their genuine design and practical approach for the upscaling of their model. Their business model was also applauded for the practicability and performance statistic prediction.

Addressing the need of alternate and cleaner fuels, The jury proposed the methane bike as a promising future technology that can bring about a potential change in the present day scenario.

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: Project Presentation
Host: DJ Sanghvi College
Venue: Andheri
Position: Finalists

The students of final year showcased their final year project at project presentation held at DJ Sanghvi College of Engineering. This event is meant to present the engineering ideas of the student community by building models and systems of paramount importance.

Chandan Phutane, Neel Rana, Snehal Vhatkar , along with their project and working model of Methane powered Two wheeler was showcased at the event. They were applauded for their genuine design and practical approach for the upscaling of their model.

They were given special mention in the finalists panel owing to their unique usecase and better adoptability characterestics proposed the methane bike as a promising future technology that can bring about a potential change in the present day scenario.

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra

Department of Mechanical Engineering

Students Achievement Report.

Event: Anveshana
Host: Agastya International Foundation
Venue: Nehru Science Center
Position: 5TH

With an aim to impart scientific temperament and engineering know how among across all the strata of education, Agastya International Foundation promotes healthy competition among the students in its unique way. Teamed up with school students as mentors, Shailesh Jaiswal, Dipam Gada, Ajay Gupta and Vijay Goswami of Final Year came up with a modified and bettered system of light deviced from gravity.

This was in collaboration with the school students and they were involved in the design, manufacturing and prototyping process and they had an indepth idea of what were the stakes for the same. The team won 5th prize along with laptop and a cash prize of INR 10,000 with the same.

AGASTYA INTERNATIONAL FOUNDATION

Anveshana
BUILDING BRIDGES TO DISCOVER

SYNOPSYS®

VIVA INSTITUTE OF TECHNOLOGY, VIRAR (EAST), At Shirgaon, Post. Virar, Tal. Vasai, Dist. Palghar

Certificate of Achievement

This is to certify that

Shailesh Jaiswal

from **VIVA Institute of Technology, Virar East** *College / School*

has won **Fifth Prize** *in Anveshana 2019 Science & Engineering Fair*

on 18th, 19th, & 20th, Feb 2019, Mumbai

Ramji Raghavan
Chairman
Agastya International Foundation

VIVA INSTITUTE OF TECHNOLOGY, At Shirgaon, Post. Virar, Tal. Vasai, Dist. Palghar

Dr. Pradip K. Dutta
Group Vice President
& Managing Director,
Synopsys South Asia

#101, Varsav Plaza, 12, Jayamahal Main Road, Bangalore - 560 046

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: Volleyball
Host: LRTCOE
Venue: Mira Road
Position: First Position

The departmental Volleyball team had put up a tremendous show at the intercollege volleyball tournament. Aided with a well equipped team and with a well motivated enthusiasm, the team thrashed all the opposition with much ease and panacea.

The team comprised of mixed batch of students from the second year to the final year of engineering. This victory comes at a time where the need and necessity of outdoor sports have been diminishing in the eclipsing education scenario.

The team not only did a commendable job by winning the tournament, but also set some serious standards for play for the upcoming batches as well. Their record seems to be fairly optimistic and genuine for the play they put up by clinching the cup.

Rahul EDUCATION

RAHUL GROUP OF SCHOOLS AND COLLEGES

(SHREE L.R. TIWARI COLLEGE OF ENGINEERING, MIRA ROAD)

UTSAV

CERTIFICATE

OF HONOUR

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

This certificate is proudly presented to

Mr./Ms. SHUBHAM KATE of VIVA INSTITUTE

has been awarded the WINNER in the event

of VOLLEYBALL conducted on 8th FEB' 19

10th FEB' 19

DATE

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

FOUNDER CHAIRMAN

Rahul EDUCATION

RAHUL GROUP OF SCHOOLS AND COLLEGES

(SHREE L.R. TIWARI COLLEGE OF ENGINEERING, MIRA ROAD)

UTSAV

CERTIFICATE

OF HONOUR

VIVA INSTITUTE OF TECHNOLOGY At Shirgaon Post. Virar, Tal. Vasai Dist Palghar VIRAR (EAST)

This certificate is proudly presented to

Mr./Ms. ANSARI ALQAMA MOHD. of VIVA INSTITUTE

has been awarded the WINNER in the event

of VOLLEYBALL conducted on 8th FEB'19

10th Feb'19

DATE

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

FOUNDER CHAIRMAN

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra

Department of Mechanical Engineering

Students Achievement Report

Event: Volleyball
Host: GESS Dahanu, CM Chashak
Venue: Mira Road
Position: First Position

The star player of the departmental Volleyball team had put up a tremendous show at various intercollege volleyball tournament at state level. Consistency being the key of this player, Snehal Vhatkar is a true gem of the team.

By playing with a team, one gets a motivation and a boost in the efficiency . This principle is what kept Snehal Vhatkar going ahead with outstanding performance even outside the college departmental team. And efficiency speaks in results , providing consistent first position to any team that he played to.

He was instrumental in winning the cup at GESS Dahanu and also at CM Chashak, an state level event held to compete with the best in state. Still his legacy continues and is proud of his achievements.

PARVATIBAI GENBA MOZE COLLEGE OF ENGINEERING, PUNE

CERTIFICATE

This is to certify that Mr/ Ms/ Mrs Snehal R Vatkar

from GESS Pharmacy Dhanu has attended/ participated/ secured/ achieved

I st rank in the event of State Level Volley Ball- 2019

held at "PGMOZE COLLEGE OF ENGINEERING WAGHOLI PUNE" on 29-01-2019

His / Her Participation in this competition is highly appreciated.

Dr. Navnath Narawade
PRINCIPAL

Shri Rambhau Moze
PRESIDENT

VIVA INSTITUTE OF TECHNOLOGY
At. Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra

Department of Mechanical Engineering

Students Achievement Report.

Event: Technoxian
Host: IIT Delhi
Venue: Delhi
Position: 1st

Shailesh Jaiswal, Dipam Gada, Ajay Gupta and Vijay Goswami , students of Final Year participated in Technoxtan, the national level multidiscipline competition held at IIT Delhi. They could achieve tremendous success with their uniquely designed water rocket capable of long ranges and pin point accuracy.

The event saw participation from all over the country, mounting to 100 teams in the finals. This was bettered even more with each team setting new range records. With their well designed and aerodynamically stable model, they could beat the best range with a formidable margin and thus creating a new record altogether. They not only won the first prize, but bagged a cash prize mounting to INR 60,000.

TECHNOXIAN CHAMPIONSHIP'18

4th INTERNATIONAL ROBOTICS LEAGUE & WORLD ROBOTICS CHAMPIONSHIP

WINNER CERTIFICATE

2018 AWARD

This certificate is presented to

Master Vijay Bharati Goswami

for winning **First** position of

WaterRocket category in

World Robotics Championship-TechnoXian'2018

held at Thyagraj Stadium, New Delhi (India)

on 30th June - 1st July'18

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

CEO - TechnoXian

Secretary - AICRA

TECHNOXIAN CHAMPIONSHIP'18

4th EDITION | INTERNATIONAL ROBOTICS LEAGUE & WORLD ROBOTICS CHAMPIONSHIP

WINNER CERTIFICATE

2018 AWARD

This certificate is presented to

Master Shailesh Rampravesh Jaiswal

for winning **First** position of

WaterRocket category in

World Robotics Championship-TechnoXian'2018

held at Thyagraj Stadium, New Delhi (India)

on 30th June - 1st July'18

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar
Tal: Vasai
Dist. Palghar
VIRAR (EAST)

CEO - TechnoXian

Secretary - AICRA

enduro.student.india

CERTIFICATE OF PARTICIPATION

This is to certify that YASH SAVE of Artemis Racing India from Viva Institute Of Technology was a Participant in Enduro Student India 2019, a design competition for engineering students, held at NMIET & NCER Campus, Talegaon, Pune between 15th - 19th February, 2019

The overall result of Artemis Racing India at the competition is as follows

	Design	Cost	Sales	Design Validation	Acceleration	Maneuverability	Sprint	Dirt-X	Endurance	Total Score	Penalty	Overall Score
Total Points	200	100	100	100	75	75	100	100	250	1100		1100
Scored Points	126.7	32	39.67	-	41.6	0.00	39.1	0.0	117.9	396.9	0	396.9
Rank out of 69	32	37	23	-	40	-	26	-	29			31

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar Tal.: Vasai Dist. Palghar

Soumya Xanti Bose
Event Manager

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar Tal.: Vasai Dist. Palghar Somy Srivastava Cost (East)

Sujan Dinesh
Operations Coordinator

Shri Vile Parle Kelavani Mandal's
Dwarkadas J. Sanghvi College of Engineering
Vile Parle (West), Mumbai – 400056.

D. J. NIRMITI 2019

IGNITING MANUFACTURING RENAISSANCE

Certificate of Recognition

This is to certify that

Mr./Ms. CHAANDAN PHUTANE

has successfully presented his/her project titled

"DESIGN & MODIFICATION OF A 4 STROKE BIKE -USING GOBAR GAS."

in the final round (Top 10) of the "Project Competition" at D. J. Nirmiti: Igniting Manufacturing Renaissance, conducted on the 18th and/or 19th of March, 2019.

D. J. Nirmiti was jointly organized by
the Indian Society of Manufacturing Engineers (ISME) and
Dwarkadas J. Sanghvi College of Engineering, Mumbai.

Prof. Sanket D. Parab
Assistant Professor, DJSCE and
Joint Secretary, ISME

Prof. Rajendra S. Khavekar
Training and Placement Officer, DJSCE and
Honorary Secretary, ISME

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist: Palghar
VIRAR (EAST)

Dr. Hariharan Sadevan
Principal, DJSCE and
Honorary President, ISME

Shri Vile Parle Kelavani Mandal's
Dwarkadas J. Sanghvi College of Engineering
Vile Parle (West), Mumbai – 400056.

D. J. NIRMITI 2019

IGNITING MANUFACTURING RENAISSANCE

Certificate of Recognition

This is to certify that

Mr./Ms. SNEHAL VHATKAR

has successfully presented his/her project titled

"DESIGN & MODIFICATION OF A 4 STROKE BIKE -USING COBAR GAS."

in the final round (Top 10) of the "Project Competition" at D. J. Nirmiti: Igniting Manufacturing Renaissance, conducted on the 18th and/or 19th of March, 2019.

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VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal: Vasai,
Dist: Palghar
VIRAR (EAST)

Dr. [illegible]levan
Principal, DJSCE and
Honorary President, ISME

CM चषक

२०१८-१९

प्रशस्तीपत्र

नाव : कुमार रुबेटल रमाकांत वटकर

आपण १२८ डहाणू (अ.ज.) या विधानसभा स्तरीय स्पर्धेत

प्रथम सहभागी झाल्याबद्दल प्रशस्तीपत्रक.

स्वाक्षरी ____________ दिनांक: २३/११/२०१८

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal : Vasai,
Dist. Palghar

CERTIFICATE OF PARTICIPATION

This is to certify that

SHWETA PATEL

representing

Viva Institute Of Technology

has participated in the Virtual BAJA SAEINDIA 2018, organized by SAEINDIA on 13th & 14th July 2018 at Chitkara University, Punjab.

We wish him/her all the best for the future endeavours.

Mahindra Presents
BAJA SAEINDIA 2019
ADVENTURE RELOADED

Shoaib Sadiq
Convener
Virtual BAJA SAEINDIA 2018

Umesh Shah
Convener
BAJA SAEINDIA 2019

CERTIFICATE OF PARTICIPATION

This is to certify that

HRUSHIKESH MARATHE

representing

Viva Institute Of Technology

has participated in the Virtual BAJA SAEINDIA 2018, organized by SAEINDIA on 13th & 14th July 2018 at Chitkara University, Punjab.

We wish him all the best for the future endeavours.

Mahindra Presents
BAJA SAEINDIA 2019
ADVENTURE RELOADED

Shoaib Sadiq
Convener,
Virtual BAJA SAEINDIA 2018

Umesh Shah
Convener,
BAJA SAEINDIA 2019

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,

CERTIFICATE OF PARTICIPATION

This is to certify that

MIHIR CHAVAN

representing

Viva Institute Of Technology

has participated in the Virtual BAJA SAEINDIA 2018, organized by SAEINDIA on 13th & 14th July 2018 at Chitkara University, Punjab.

We wish him all the best for the future endeavours.

Mahindra Presents
BAJA SAEINDIA 2019
ADVENTURE RELOADED

Shoaib Sadiq
Convener,
Virtual BAJA SAEINDIA 2018

Umesh Shah
Convener,
BAJA SAEINDIA 2019

VIVA INSTITUTE OF TECHNOLOGY
At. Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar

CERTIFICATE OF PARTICIPATION

This is to certify that

MRUNAL JADHAV

representing

Viva Institute Of Technology

has participated in the Virtual BAJA SAEINDIA 2018, organized by SAEINDIA on 13th & 14th July 2018 at Chitkara University, Punjab.

We wish him all the best for the future endeavours.

Mahindra Presents
BAJA SAEINDIA 2019
ADVENTURE RELOADED

Shoaib Sadiq
Convener,
Virtual BAJA SAEINDIA 2018

Umesh Shah
Convener,
BAJA SAEINDIA 2019

CERTIFICATE OF PARTICIPATION

This is to certify that

PRATHAMESH KADAM

representing

Viva Institute Of Technology

has participated in the Virtual BAJA SAEINDIA 2018, organized by SAEINDIA on 13th & 14th July 2018 at Chitkara University, Punjab.

We wish him all the best for the future endeavours.

Mahindra Presents
BAJA SAEINDIA 2019
ADVENTURE RELOADED

Shoaib Sadiq
Convener
Virtual BAJA SAEINDIA 2018

Umesh Shah
Convener
BAJA SAEINDIA 2019

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,

INDIAN SOCIETY OF HEATING REFRIGERATING AND AIR CONDITIONING ENGINEERS

In association with

SARASWATI COLLEGE OF ENGINEERING

presents

JAMBOREE 6

ISHRAE

CERTIFICATE OF MERIT

This is to certify that,

Mr./Miss BALRAM . JHA of

VIVA INSTITUTE OF TECHNOLOGY college has secured

IIIrd position in the Event MAD - AOS (JEVAN - WILDTECH) organized under the **JAMBOREE 6** on 19th January 2019,organized by ISHRAE Mumbai Chapter in association with ISHRAE SCOE Chapter at Saraswati College of Engineering, Kharghar, Navi Mumbai.

PRESIDENT
ISHRAE MUMBAI CHAPTER

STUDENT ACTIVITY CHAIR
ISHRAE MUMBAI CHAPTER

FACULTY COORDINATOR
ISHRAE SCOE CHAPTER

...SOCIETY OF HEATING REFRIGERATING
AND AIR CONDITIONING ENGINEERS
in association with
SARASWATI COLLEGE OF ENGINEERING
Presents

JAMBOREE 6

ISHRAE

CERTIFICATE OF MERIT

This is to certify that,
Mr./Miss SHUBHAM JHA TADHAV of
VIVA INSTITUTE OF TECHNOLOGY college has secured
III rd position in the Event MAD-ADS (TEAM - WILDTECH) organized under the **JAMBOREE 6** on 19th January 2019,organized by ISHRAE Mumbai Chapter in association with ISHRAE SCOE Chapter at Saraswati College of Engineering, Kharghar, Navi Mumbai.

PRESIDENT
ISHRAE MUMBAI CHAPTER

STUDENT ACTIVITY CHAIR
ISHRAE MUMBAI CHAPTER

FACULTY COORDINATOR
ISHRAE SCOE CHAPTER

Saraswati College of Engineering
Learn Live Achieve & Contribute

INDIAN SOCIETY OF HEATING REFRIGERATING AND AIR CONDITIONING ENGINEERS
in association with
SARASWATI COLLEGE OF ENGINEERING
presents

ISHRAE

JAMBOREE 6

CERTIFICATE OF MERIT

This is to certify that,

Mr./~~Miss~~ NIKHIL HASE of

VIVA INSTITUTE OF TECHNOLOGY college has secured

III rd position in the Event MAD-ADS (TEAM - WILDTECH) organized under the **JAMBOREE 6** on 19th January 2019,organized by ISHRAE Mumbai Chapter in association with ISHRAE SCOE Chapter at Saraswati College of Engineering, Kharghar, Navi Mumbai

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal: Vasai,
Dist. Palghar
VIRAR (EAST)

PRESIDENT
ISHRAE MUMBAI CHAPTER

STUDENT ACTIVITY CHAIR
ISHRAE MUMBAI CHAPTER

FACULTY COORDINATOR
ISHRAE SCOE CHAPTER

Achievement Record 2017-18

Event Name	Inter-College Girls Over-Arm Cricket Competition
Team Members	Sheetal Rasal, Priyanka Shinde and Shriya Narvekar
Brief Description	Group of 10 girls participated in inter-college over-arm cricket match
Benefit to Society	
Venue/Organization by Date	ICT College (Matunga) On 24th Feb., 2018 And 25th Feb., 2018.
Position Obtained	Participated

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Achievement Record 2017-18

Event Name	Girls Over-Arm Cricket Held During SPOSTSAGA 2018
Team Members	Sheetal Rasal, Priyanka Shinde and Shriya Narvekar
Brief Description	Group of 10 girls participated in SPOSTSAGA'18 over-arm cricket match
Benefit to Society	
Venue/Organization by Date	Institute Of Chemical Technology, 2018
Position Obtained	Runner-Up
Photographs	 Event: VIVA-Tech students at Institute Of Chemical Technology for SPOSTSAGA'18

Achievement Record 2017-18

Event Name	Grand Finale of the Smart India HACKATHON 2018
Team Members	Tanmay Talele, Pallavi Maity, Hemangi Malgaonkar, Manthan Kansara, Shyam Gupta and Nishant Pimpale
Brief Description	They were one of the 41 teams across India who worked on the problem statement of ministry of Indian Railway.
Benefit to Society	This project was made for Ministry of India to make maintenance of railways easy
Venue/Organization by Date	Techno India Institute of Technology, Uaipur, Rajasthan, 2018
Position Obtained	selected and competed
Photographs	 Event: VIVA-Tech students at Techno India Institute of Technology for Hackathon'18

Achievement Record 2017-18

Event Name	National level Technical Project Competition, 2018
Team Members	Shreyas S. Wankhede, Ranjit S. Patil and Sagar R. Sonawane, Prof. Ashwini Save
Brief Description	Project on "Data Preprocessing for Efficient Sentimental Analysis". The purpose of this project is to use N -gram method and Hidden Markov Model for Spell-Checking and Correction of tweets
Benefit to Society	To evaluate sentiment mapping of emojis by using sentiment polarity such as negative, neutral, or positive comments.
Venue/Organization by Date	IEEE CRCE held at Fr. Conceicao Rodrigues College of Engineering on 16th March, 2018
Position Obtained	3rd Prize
Photographs	 Event: VIVA-Tech students at Fr. Conceicao Rodrigues College of Engineering for Project Competition

Achievement Record 2017-18

Event Name	2nd IEEE International Conference on Inventive Communication and Computational Technologies (ICICCT)
Team Members	BE students of Computer Engineering department (total 12 groups)
Brief Description	Current computer technology related papers were published in the proceedings of IEEE proceedings.
Benefit to Society	Helpful for students/researchers in the society to gain research related knowledge
Venue/Organization by Date	Coimbatore, March 2018
Position Obtained	Published

Achievement Record 2017-18

Event Name	BE Project
Team Members	Sakshi Gupta, Kajal Sangale, Ujwala More
Brief Description	Appreciated for their BE project "E-Ration distribution system" by Ration department Govt. of Maharashta
Benefit to Society	Process of ration distribution will be easy and fast
Venue/Organization by Date	Regional Transport Office, Thane
Position Obtained	Appreciation for BE project

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: 2nd National Level Project Competition Of RGIT's ICARUS 2018
Venue: Andheri, Mumbai
Host: RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
Position: 1st Prize
Students: Pratik Bhoir
Date: 15-03-2018

Pratik Bhoir participated in the 2nd National Level Project Competition Of RGIT's ICARUS 2018 which was Organized at RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI in Andheri, Mumbai. Pratik Bhoir had achieved the 1st Prize in it.

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: 2nd National Level Project Competition Of RGIT's ICARUS 2018
Venue: Andheri, Mumbai
Host: RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
Position: 1st Prize
Students: Tushar Varankar
Date: 15-03-2018

Tushar Varankar participated in the 2nd National Level Project Competition Of RGIT's ICARUS 2018 which was Organized at RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI in Andheri, Mumbai. Tushar Varankar had achieved the 1st Prize in it.

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: 2nd National Level Project Competition Of RGIT's ICARUS 2018
Venue: Andheri, Mumbai
Host: RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
Position: 2nd Place
Students: Jyoti Salunkhe
Date: 15-03-2018

Jyoti Salunkhe participated in the National Level Project Competition Of RGIT's ICARUS 2018 which was Organized at RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI in Andheri, Mumbai. Jyoti Salunkhe had achieved the 2nd Place in it.

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: 2nd National Level Project Competition Of RGIT's ICARUS 2018
Venue: Andheri, Mumbai
Host: RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
Position: 1st Prize
Students: Heena Lodha
Date: 15-03-2018

Heena Lodha participated in the National Level Project Competition Of RGIT's ICARUS 2018 which was Organized at RAJIVGANDHI INSTITUTE OF TECHNOLOGY, MUMBAI in Andheri, Mumbai. Heena Lodha had achieved the 1st Prize in it.

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: National Conference on Role of Engineers in Nation Building (2018)
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 3rd prize
Students: Mayuri Bankar
Date: 09-03-2018

Mayuri Bankar participated in the National Conference on Role of Engineers in Nation Building (2018) which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Mayuri Bankar had achieved the 3rd prize in it.

Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, Affiliated to University of Mumbai

Shirgaon, Virar(East), Dist: Palghar-401305, Maharashtra

ISBN: 978-93-5288-028-7
ISSN: 2454-132X

PROJECT EXHIBITION

NCRENB-2018

This to certify that Mr. / Ms. Mayuri Bankar
has exhibited a project on Atmospheric Water Generation
and won 3rd prize
in the Project Exhibition of Electrical branch conducted under **National Conference on Role of Engineers in Nation Building (2018), NCRENB 2018** organized during 9th and 10th March, 2018 at VIVA Institute of Technology, Shirgaon, Mumbai. His/Her contribution is highly appreciated.

(Mrs. Archana Ingl...)
Co-Convener

(Dr. Arun Kumar)
Principal, Programme Convener

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

In association with:

Department of Electrical Engineering

Students Achievement Report.

Event: National Conference on Role of Engineers in Nation Building (2018)
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 2nd Prize
Students: Tushar Varankar
Date: 09-03-2018

Tushar Varankar participated in the National Conference on Role of Engineers in Nation Building (2018) which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Tushar Varankar had achieved the 2nd Prize in it.

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PROJECT EXHIBITION
NCRENB-2018

This to certify that Mr. / Ms. Tushar Varankar
has exhibited a project on Electric Tricycle By solar Energy
and won 2nd prize
in the Project Exhibition of Electrical branch conducted under **National Conference on Role of Engineers in Nation Building (2018), NCRENB 2018** organized during 9th and 10th March, 2018 at **VIVA Institute of Technology, Shirgaon, Mumbai.** His / Her contribution is highly appreciated.

(Mrs. Archana Ingle)
Co-Convener

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

(Dr. Arun Kumar)
Principal, Programme Convener

In association with:

IJARIIT

Department of Electrical Engineering

Students Achievement Report.

Event: National Conference on Role of Engineers in Nation Building (2018)
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 2nd Prize
Students: Pratik Bhoir
Date: 09-03-2018

Pratik Bhoir participated in the National Conference on Role of Engineers in Nation Building (2018) which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Pratik Bhoir had achieved the 2nd Prize in it.


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PROJECT EXHIBITION
NCRENB-2018

This is to certify that Mr. / Ms. Pratik Bhoir
has exhibited a project on Electric Tricycle By solar Energy
and won 2nd prize
in the Project Exhibition of Electrical branch conducted under National Conference on Role of Engineers in Nation Building (2018), organized during 9th and 10th March, 2018 at VIVA Institute of Technology, Shirgaon, Mumbai. His / Her work/exhibition is highly appreciated.

(Mrs. Archana Ingle) Co-Convener
(Dr. Arun Kumar) Principal, Programme Convener

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

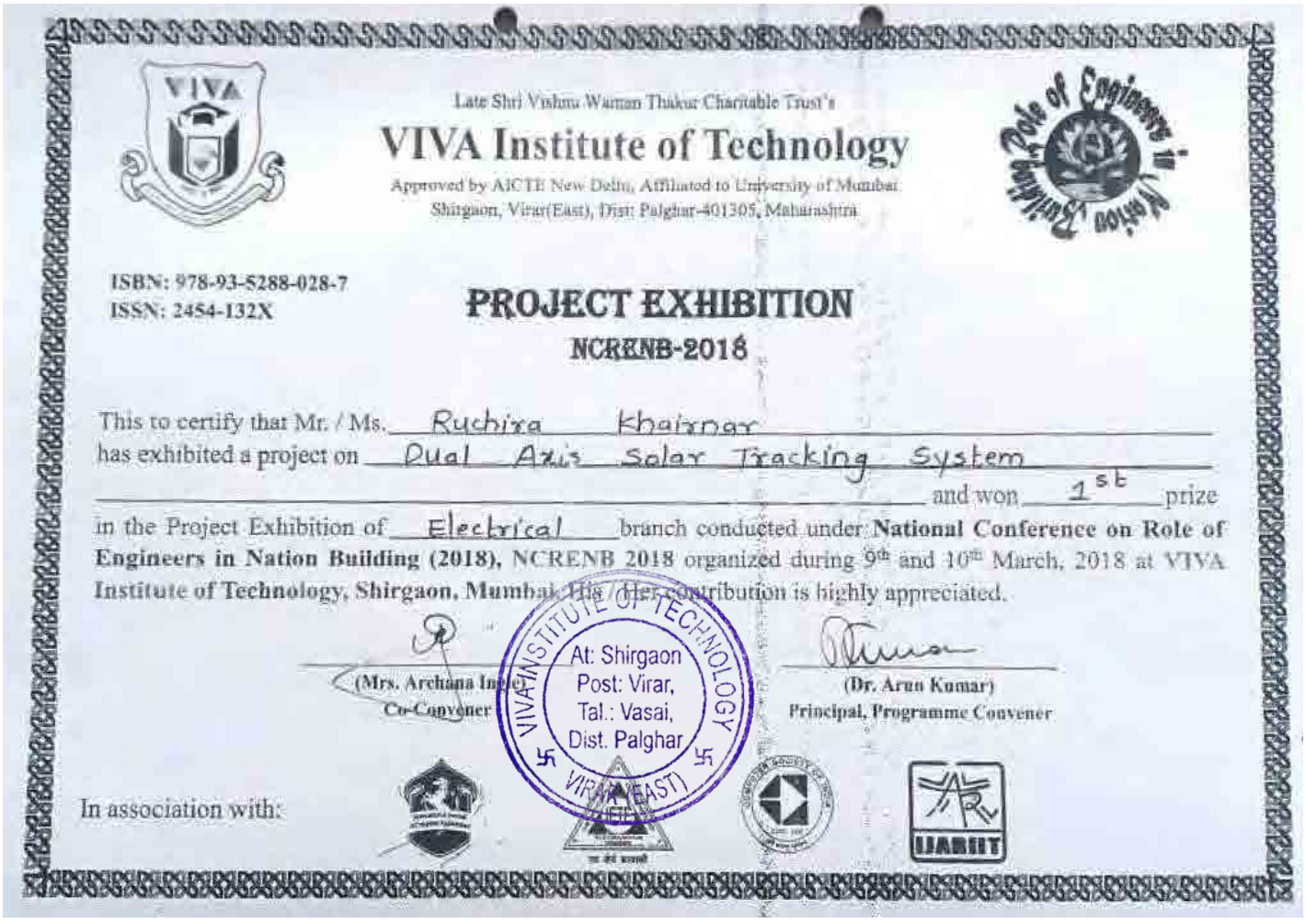
In association with:

Department of Electrical Engineering

Students Achievement Report.

Event: National Conference on Role of Engineers in Nation Building (2018)
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 1st Prize
Students: Ruchira Khairnar
Date: 09-03-2018

Ruchira Khairnar participated in the National Conference on Role of Engineers in Nation Building (2018) which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Ruchira Khairnar had achieved the 1st Prize in it.



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PROJECT EXHIBITION
NCRENB-2018

This to certify that Mr. / Ms. Ruchira Khairnar
has exhibited a project on Dual Axis Solar Tracking System
and won 1st prize
in the Project Exhibition of Electrical branch conducted under **National Conference on Role of Engineers in Nation Building (2018), NCRENB 2018** organized during 9th and 10th March, 2018 at VIVA Institute of Technology, Shirgaon, Mumbai. His / Her contribution is highly appreciated.

(Mrs. Archana Ingle)
Co-Convener

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

(Dr. Arun Kumar)
Principal, Programme Convener

In association with:

IJARIIT

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: National Conference on Role of Engineers in Nation Building (2018)
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 1st Prize
Students: Mayuri Sonawane
Date: 09-03-2018

Mayuri Sonawane participated in the National Conference on Role of Engineers in Nation Building (2018) which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Mayuri Sonawane had achieved the 1st Prize in it.

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PROJECT EXHIBITION

NCRENB-2018

This to certify that Mr. / Ms. Mayuri Sonawane
has exhibited a project on Dual Axis Solar Tracking System
and won 1st prize
in the Project Exhibition of Electrical branch conducted under **National Conference on Role of Engineers in Nation Building (2018), NCRENB 2018** organized during 9th and 10th March, 2018 at **VIVA Institute of Technology, Shirgaon, Mumbai.** His / Her contribution is highly appreciated.

(Mrs. Archana [illegible])
Co-Convener

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

(Dr. Arun Kumar)
Principal, Programme Convener

In association with:

Department of Electrical Engineering

Students Achievement Report.

Event: National Conference on Role of Engineers in Nation Building (2018)
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 3rd prize
Students: Jyoti Salunkhe
Date: 09-03-2018

Jyoti Salunkhe participated in the National Conference on Role of Engineers in Nation Building (2018) which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Jyoti Salunkhe had achieved the 3rd prize in it.

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ISSN: 2454-132X

PROJECT EXHIBITION
NCRENB-2018

This to certify that Mr. / Ms. Jyoti Salunke
has exhibited a project on Atmospheric Water Generation
and won 3rd prize
in the Project Exhibition of Electrical branch conducted under **National Conference on Role of Engineers in Nation Building (2018), NCRENB 2018** organized during 9th and 10th March, 2018 at VIVA **Institute of Technology, Shirgaon, Mumbai.** His / Her contribution is highly appreciated.

(Mrs. Archana Ingle)
Co-Convener

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

(Dr. Arun Kumar)
Principal, Programme Convener

In association with:

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: Paper Presentation Techchase
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 3rd prize
Students: Trupal Patil
Date: 06-10-2017

Trupal Patil participated in the Paper Presentation Techchase which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Trupal Patil had achieved the 3rd prize in it.


Late shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute Of Technology

shrigaon, Virar(East),Dist-palghar-401305

Certificate Of Merit

awarded to

This certificate is awarded to Dr. / Mr. / Ms. Trupal Patil for Merit 3rd in TECHCHASE 2017 organized at VIVA Institute Of Technology, Shirgaon, Mumbai. For presenting paper in "Recent Trends In Electrical Engineering" on topic Thermophotovoltaic Cell

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

Prof. Anoj kumar Yadav (Faulty In-Charge)

Prof. Shushan Save (HOD Electrical Dept.)

Dr. Arun Kumar (Principal)

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: Paper Presentation Techchase
Venue: Virar, Palhar
Host: VIVA Institute of Technology, SHIRGAON VIRAR(EAST)
Position: 3rd prize
Students: Sharad Kasbe
Date: 06-10-2017

Sharad Kasbe participated in the Paper Presentation Techchase which was Organized at VIVA Institute of Technology, SHIRGAON VIRAR(EAST) in Virar, Palhar. Sharad Kasbe had achieved the 3rd prize in it.


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VIVA Institute Of Technology
shrigaon, Virar(East),Dist-palghar-401305

Certificate Of Merit
awarded to

This certificate is awarded to Dr. / Mr./ Ms. Sharad Kasbe for Merit 3rd in TECHCHASE 2017 organized at VIVA Institute Of Technology, Shirgaon, Mumbai. For presenting paper in "Recent Trends In Electrical Engineering" on topic Thermophotovoltaic cell

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

Prof. Anoj kumar Yadav (Faulty In-Charge)
Prof. Bhushan Save (HOD Electrical Dept.)
Dr. Arun Kumar (Principal)

Department of Electrical Engineering

Students Achievement Report.

Event: IEEE TECHITHON
Venue: Malad, Mumbai
Host: Atharva Group Of Institutes
Position: 1st Prize
Students: Dinkar Vanjare
Date: 25-09-2017

Dinkar Vanjare participated in the IEEE TECHITHON which was Organized at Atharva Group Of Institutes in Malad, Mumbai. Dinkar Vanjare had achieved the 1st Prize in it.

ATHARVA GROUP OF INSTITUTES

IEEE ATHARVA

CERTIFICATE

OF ACHEIVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

DINKAR N. VANJARE.

for securing first place in POSTER PRESENTATION.

held during the festival week of IEEE TECHITHON'17

IEEE TECHITHON '17
futuropia

Animesh Takpere

Prof. Jyoti Kalap

Shubha

VIVA INSTITUTE OF TECHNOLOGY
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Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Electrical Engineering

Students Achievement Report.

Event: 4" National Lavel Technical Paper Presentation
Venue: Vasai, Palghar
Host: Universal College Of Engineering
Position: Runner Up Prize Winner
Students: Ashwini Sanjay Pawar
Date: 06-10-2017

Ashwini Sanjay Pawar participated in the 4" National Lavel Technical Paper Presentation which was Organized at Universal College Of Engineering in Vasai, Palghar. Ashwini Sanjay Pawar had achieved the Runner Up Prize Winner in it.

DTE Code: 3460

Universal College of Engineering

Near Bhajansons & Punyadham, Kaman Bhiwandi Road, Vasai.

(Approved by AICTE, DTE & Affiliated to University of Mumbai)

in association with

I.E.T.E. • I.S.F. • C.S.I. • I.S.A.

4th National Level Technical Paper Presentation

Certificate of Merit

This is to certify that Ms./Mr. Ashwini Pawar

of Viva Institute college is the ~~Winner~~ / Runner Up /

Consolation prize winner in the 4th National Level Technical Paper Presentation 2017.

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal: Vasai Dist. Palghar VIRAR (EAST)

Date: 6th Oct. 2017

Dr. J. B. Patil (Principal)

Department of Electrical Engineering

Students Achievement Report.

Event: Inter Collegiate Utsav Techfest
Venue: Mira Bhayander,
Host: Shree L.R. Tiwari College Of Engineering
Position: 2nd Prize
Students: Intezar Ali Salmani
Date: 15-02-2018

Intezar Ali Salmani participated in the Inter Collegiate Utsav Techfest which was Organized at Shree L.R. Tiwari College Of Engineering in Mira Bhayander. Intezar Ali Salmani had achieved the 2nd Prize in it.

Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

(Approved by AICTE & DTE, Govt. of Maharashtra State & Affiliated to University of Mumbai) ISO 9001 : 2008 Certified • DTE Code No. 3423
Mira Road (E), Thane - 401 107.

INTER COLLEGIATE UTSAV TECHFEST

15th FEB 2k18

Certificate of Excellence

Mr./Ms. Intezar Ali Salmani

of Viva Institute of Technology

has successfully Secured 2nd position in the event

Technical Paper Presentation

conducted on 15th February 2018.

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar Tal.: Vasai, Dist: Palghar VIRAR (EAST)

Dr. S. Ram Reddy
Convenor & Principal

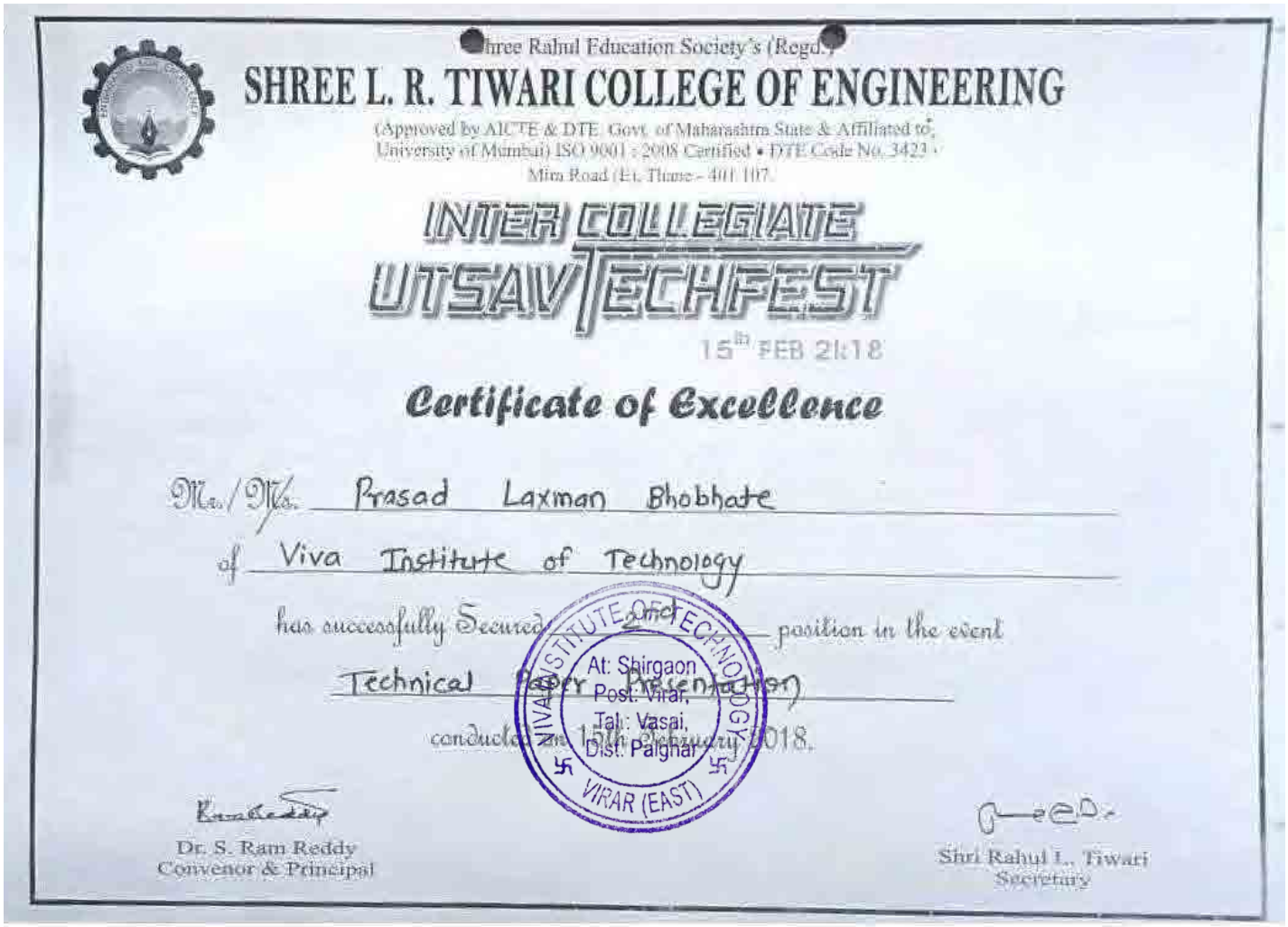
Shri Rahul L. Tiwari
Secretary

Department of Electrical Engineering

Students Achievement Report.

Event: Inter Collegiate Utsav Techfest
Venue: Mira Bhayander,
Host: Shree L.R. Tiwari College Of Engineering
Position: 2nd Prize
Students: Prasad Bhobhate
Date: 15-02-2018

Prasad Bhobhate participated in the Inter Collegiate Utsav Techfest which was Organized at Shree L.R. Tiwari College Of Engineering in Mira Bhayander. Prasad Bhobhate had achieved the 2nd Prize in it.


Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

(Approved by AICTE & DTE. Govt. of Maharashtra State & Affiliated to University of Mumbai) ISO 9001 : 2008 Certified • DTE Code No. 3423
Mira Road (E), Thane - 401 107.

INTER COLLEGIATE UTSAV TECHFEST

15th FEB 2k18

Certificate of Excellence

Mr./Ms. Prasad Laxman Bhobhate

of Viva Institute of Technology

has successfully Secured 2nd position in the event

Technical Paper Presentation

conducted on 15th February 2018.

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist.: Palghar VIRAR (EAST)

Dr. S. Ram Reddy
Convenor & Principal

Shri Rahul L. Tiwari
Secretary

Event name	Regional Finals of the e-Yantra Ideas Competition
	(e-Yantra, IITB is a project sponsored by MHRD, Gov. of India, under the National Mission on Education through ICT (NMEICT))
Team Members	Prince Gautam, Vaibhav Burkul, Rupesh Ayare
Brief Description	Wireless LED Controller A controller to adjust the brightness and colour of RGB LED is done by means of varying the Pulse Width Modulated (PWM) wave. A wireless device (Bluetooth or other) will be used for adjusting the LED brightness. With the help of three colours i.e. RGB, multiple colours and shades can be formed by varying the intensity of each colour of the LED. As per the requirement of the application, the brightness and colour can be controlled to achieve desired requirement.
Benefit to society	Its application are in indoor lighting systems, theatrical house side lighting, agriculture lighting and many other areas. The key advantage of this project is that it has low power consumption and better durability than conventional lighting systems.
Venue/Organization By Date	27th February 2018
Position Obtained	Selected till regional final and obtained Cash Prize:10000/-
Photographs	
	Students of VIVA Institute of Technolgy at Regional Finals of the e-Yantra Ideas Competition

Event name	OSCILLATIONS-2018 Technical Paper Presentation
Team Members	Manjusha Karkera, Shubham Pote, Mayur Mestry, Smita Pandhare
Brief Description	**FARM MONITORING BASED ON UAV** It works to improve e-farming concept in fruit farming. The basic idea is Fly camera and sensor equipped UAV through orchard, acquired video data from UAV by means of Radio Communication and then performing some image processing techniques on video data.
Benefit to society	This process will tell the farmer about current condition of field which includes Fruit's quality, ripeness and any defects in it, and also the health of leaves of plant. This type of assist can help in farm management and decreases use of resources.
Venue/Organization By Date	Vidyavardhinies College of Engineering & Technology, Vasai on March 2018
Position Obtained	First
Photographs	
	Students of VIVA Institute of Technolgy at OSCILLATIONS-2018 at VCET, Vasai

Event name	OSCILLATIONS-2018 Technical Paper Presentation
Team Members	Paras Sangle, Rishabh Pandye, Ameya Shinde, Akash Sakpal
Brief Description	"**HAND GESTURE REGONITION AND VOICE CONVERSION SYSTEM USING SING LANGUAGE**" Students developed the glove with flex sensor that translate Hand gesture into speech, in order to make the communication take place between the mute communities and the normal humans. A gloves is used which is normal cloth driving gloves fitted with flex sensors along five fingers and Deaf people can use the gloves to perform hand gesture and it will be converted into speech by using microcontroller so that normal people can understand their expression
Benefit to society	Hand gesture is the used by deaf people and it is a way of communication that uses hand gestures use in place of voice to convey meaning, orientations and movement of the hands used to communicate words and sentences to audience.
Venue/Organization By Date	Vidyavardhinies College of Engineering & Technology, Vasai on 16th March 2018
Position Obtained	Second
Photographs	 **Students of VIVA Institute of Technolgy at OSCILLATIONS-2018 at VCET, Vasai**

Event name	National Level Students Conference on Frontiers in Engineering and Technology Applications (NSCFET)
Team Members	Paras Sangle, Rishabh Pandye, Ameya Shinde, Akash Sakpal
Brief Description	"**HAND GESTURE REGONITION AND VOICE CONVERSION SYSTEM USING SING LANGUAGE**" Students developed the glove with flex sensor that translate Hand gesture into speech, in order to make the communication take place between the mute communities and the normal humans. A gloves is used which is normal cloth driving gloves fitted with flex sensors along five fingers and Deaf people can use the gloves to perform hand gesture and it will be converted into speech by using microcontroller so that normal people can understand their expression
Benefit to society	Hand gesture is the used by deaf people and it is a way of communication that uses hand gestures use in place of voice to convey meaning, orientations and movement of the hands used to communicate words and sentences to audience.
Venue/Organization By Date	Ramrao Adik Institute of Technology, Navi Mumbai on 5th & 6th April 2018
Position Obtained	Best Paper of the Session Award Cash Prize 1000/-
Photographs	
	Students of VIVA Institute of Technolgy at National Level Students Conference on Frontiers in Engineering and Technology Applications, RAIT, Navi Mumbai

Event name	Regional Finals of the e-Yantra Ideas Competition (e-Yantra, IITB is a project sponsored by MHRD, Gov. of India, under the National Mission on Education through ICT (NMEICT))
Team Members	Aniket Kumbhar Dipesh Jadhav Prachi Bidaye Nikhil Patil
Brief Description	**Delta Bot using Smoothie Board** Delta-Bot is a tool which allows us to build accurate 3-D models of real object. Here Smoothie board is the controlling unit of our project. Any object can be printed if we have the 3-D design of that particular object..
Benefit to society	create a printer that prints accurately and with effective speed using Delta robotic design, its working technologies, and the possibility of taking the concept further.
Venue/Organization By Date	on 27th February 2018
Position Obtained	Selected till regional final and obtained Cash Prize:10000/-
Photographs	 **Students of VIVA Institute of Technolgy at Regional Finals of the e-Yantra Ideas Competition**

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: Enduro Students India
Host: GEDEE
Venue: Coimbatore
Position: Overall 45

The motorsport team of VIVA Institute of Technology, team Artemis
Racing India, have been off to the event organised by Enduro Student India at GEDEE RC Racing Track, Coimbatore from 4 January 2018 to 8 January 2018.
Day 1 (4th January)
The team presented the car for the first technical inspection. Some of the flaws such as

Ø Brake light and splash shield was outside the vehicle envelope.
Ø The drain pipe wasn't fuel rated
Ø The accelerator stopper needs to halt the acceleration pedals a little ahead from the installed location
Ø The shoulder harness needs to be lowered or the driver with the small height needs to be eliminated from the driver list.

This were the major problems, which resulted in re-technical inspection of the vehicle.

Mayank Chheda, Saurabh Ghadge, and Yash Save presented the business event whose aim was to sell 4000 units of the vehicle to an imaginary company.

Day 2 (5th January)

To deal with the problems raised in the first technical inspection some changes were made to the vehicle. The changes took the whole day for completion. Hence, the car could not go for the technical inspection on second day. Deep Chheda, Amogh Mhatre and Rachit Kunder presented the team for the cost event whose aim was to design a prototype of the front hub, mass-manufacturing technique and process planning for the same.

Deep Chheda, Kapil Thakur, Saurabh Ghadge, Omkar Jadhav, Aditya Prabhu presented the team for the design event. The event focuses on the the design procedure and all the basic calculation involved in design of the vehicle. It also aims to let the student understand the basic of vehicle dynamics and design methodology for the vehicle.

There was a seminar conducted by the judges present on the event site from top companies like Mercedes, Simscale and Gabriel about the topic of installation of suspension system in vehicle.

Day 3 (6th January)

The team cleared its technical inspection in its third attempt. The weight test of the vehicle was performed after the technical inspection. The weight turn out to be 173 kgs, which was 7 kg, less than the predicted weight of the vehicle 180 kg. It was a good achievement. The team then proceeded for the engine check. The float of the carburettor was damaged and required a replacement which took a long time. Then the vehicle was proceeded for the brake test. It was the first time in four year the team cleared the brake test in the very first attempt. It was another big achievement for the team. Due to low light conditions the dynamic events were closed a little earlier because of which the team wasn't able to attend the events. The final endurance line up was made at night.

Department of Mechanical Engineering

Students Achievement Report.

Day 4 (7th January)

The final day of the event was the endurance race which was 3+1 hours. The extra 1 hour was only for the top 30% team in the race. Our vehicle started off great in the beginning but due to fatigue of the bolts used to connect the spool flange caused shear failure at the day of event. The problem took much of the time to solve hence wasn't able to complete the endurance event.

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: Shastra 2017
Host: IIT Madras
Venue: Madras
Position: 4th

A group of 4 students from the department of mechanical engineering participated in the much anticipated Shastra 2017, the annual tech fest for IIT Madras. They participated in the Green energy summit that Green Energy Summit is an annual conference organized by Shaastra, the technical festival of the Indian Institute of Technology Madras (IIT Madras). The summit aims to bring together experts from various fields related to green energy and sustainability to discuss current trends, challenges, and solutions.

The Green Energy Summit typically includes keynote speeches, panel discussions, technical workshops, and a student competition. The conference covers a wide range of topics related to green energy, including renewable energy sources, energy storage, energy efficiency, and sustainable development.

In addition to providing a platform for experts to share their knowledge and expertise, the Green Energy Summit also serves as an opportunity for students and professionals to network and learn about the latest developments in the field. Past speakers at the summit have included researchers, industry leaders, and policymakers from around the world. Overall, the Green Energy Summit is a valuable event for anyone interested in green energy and sustainability, as it brings together some of the foremost experts in the field to share their insights and knowledge.

Event: Shastra 2017
Host: IIT Madras
Venue: Madras
Position: 1st

The Case Study competition is an event organized by Shaastra, the technical festival of the Indian Institute of Technology Madras (IIT Madras). The competition challenges teams of students to analyze and solve a business or real-world problem through the use of analytical and critical thinking skills.

In the Case Study competition, teams are typically given a case study containing information about a company or organization and a problem that it is facing. Teams must then analyze the case study, gather additional information as needed, and develop a solution to the problem. The solution must be presented in the form of a report, which is then judged by a panel of experts based on various criteria, such as the thoroughness of the analysis, the feasibility of the solution, and the clarity of the presentation.

The Case Study competition is an excellent opportunity for students to hone their problem-solving and analytical skills, as well as to learn about real-world business challenges. It is also an opportunity for students to network with industry professionals and to gain valuable experience in business consulting. Ajay Gupta won the first prize in the same.

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: National Project cum Paper Presentation
Host: Universal College of Engineering
Venue: Project Presentaation
Position: 1st

The event was hosted by UCoE in association with IETE on 9th March 2017. It is a national level event for the budding, aspiring engineers, academicians, for students of different colleges to present their technical ideas in the form of projects and posters. The purpose of the event was to provide a platform for young engineers to present their technical ideas. Participants in the events were from different diploma and degree colleges from Mumbai, Thane, etc. The projects were exhibited in different domains, categories like electronics, computers, mechanical, civil, etc. The projects provided solutions for real life problems with the help of technology in agriculture, roadways, military, the phase of bridges can be changed in future with innovative designs were also exhibited. The winners of the competition were awarded with cash prizes in respective category. The event was a success as 391 groups participated in this event which had the count of 1427 participants from different engineering and diploma institutions.

Sangram Thorat from mechanical department won the first prize for the same.

Department of Mechanical Engineering

Students Achievement Report.

Event: National Students Space Challenge, 2017
Host: IIT Kharagpur
Venue: Liftoff
Position: 1st Runner Up

The Lift Off competition is an annual event organized by the National Students Space Challenge (NSSC), a student-run organization at the Indian Institute of Technology Kharagpur (IIT Kharagpur). The competition challenges teams of students to design and build a model rocket that can reach a certain altitude within a certain timeframe.

The Lift Off competition typically includes a series of rounds, starting with a preliminary design review and culminating in the final launch event. During the preliminary design review, teams must submit a detailed design report outlining their proposed rocket design. Teams that pass the preliminary design review are eligible to participate in the final launch event, where their rockets will be judged on various criteria, such as altitude, stability, and payload capacity.

The Lift Off competition is an exciting opportunity for students to apply their knowledge of engineering and physics to a real-world problem. It also provides a platform for students to showcase their skills and creativity, as well as to learn from and network with their peers from other universities.

4 students from department of mechanical engineering secured 1st runner up position for the same. Their unique design and a great attitude towards excellence helped to pave way for the same.

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3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

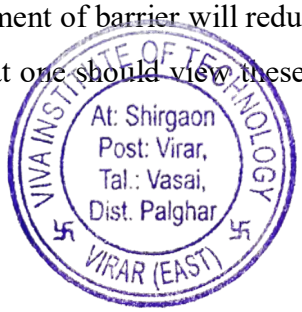
INDEX

2. BEST PROJECT AND PRODUCT DEVELOPMENT

PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2021-22
PRODUCT DEVELOPED – Highway safety using Roller barrier
Name of students : Yogesh chavan;Chetan Mahindrakar; Mangesh Maurya; Vaibhav Mayekar
Name of Guide : Prof Meena Bhagat

Scope of work : In India, the transportation system is expanded rapidly. In India, the Government and Ministry of Road Transport and Highway is looking for the latest techniques for the safety of the roads and to reduce the accidents. Rolling Barriers consists of continuous pipe with urethane rings invented by the Korean company. The study of Rolling Barriers is carried out to evaluate the effectiveness of RB (Rolling Barrier) and to understand the characteristics of crash cushioning and to evaluate the required strength of barriers. In 2019,4.5 lakhs accidents are recorded in India, leading 1.5 lakhs deaths. The Rolling Barriers are especially useful to reduce the accidents in future. These barriers are used in curved roads, hilly areas, on expressways etc. The total study of Rolling Barriers Systems is elaborated in this project.

Conclusion of work : The Design of Rolling Barrier for NH48 Gaimukh at a particular span of 45m has been design based on KSI Global project report it shows that the impact of rolling barrier on the vehicle after collision reduces the accidental chances also keeping drivers and passenger safe in India such requirement of barrier will reduce the Road accidents and number of persons Lifes Project team argue that one should view these as more feasible for highway safety and road accidents.



PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2021-22

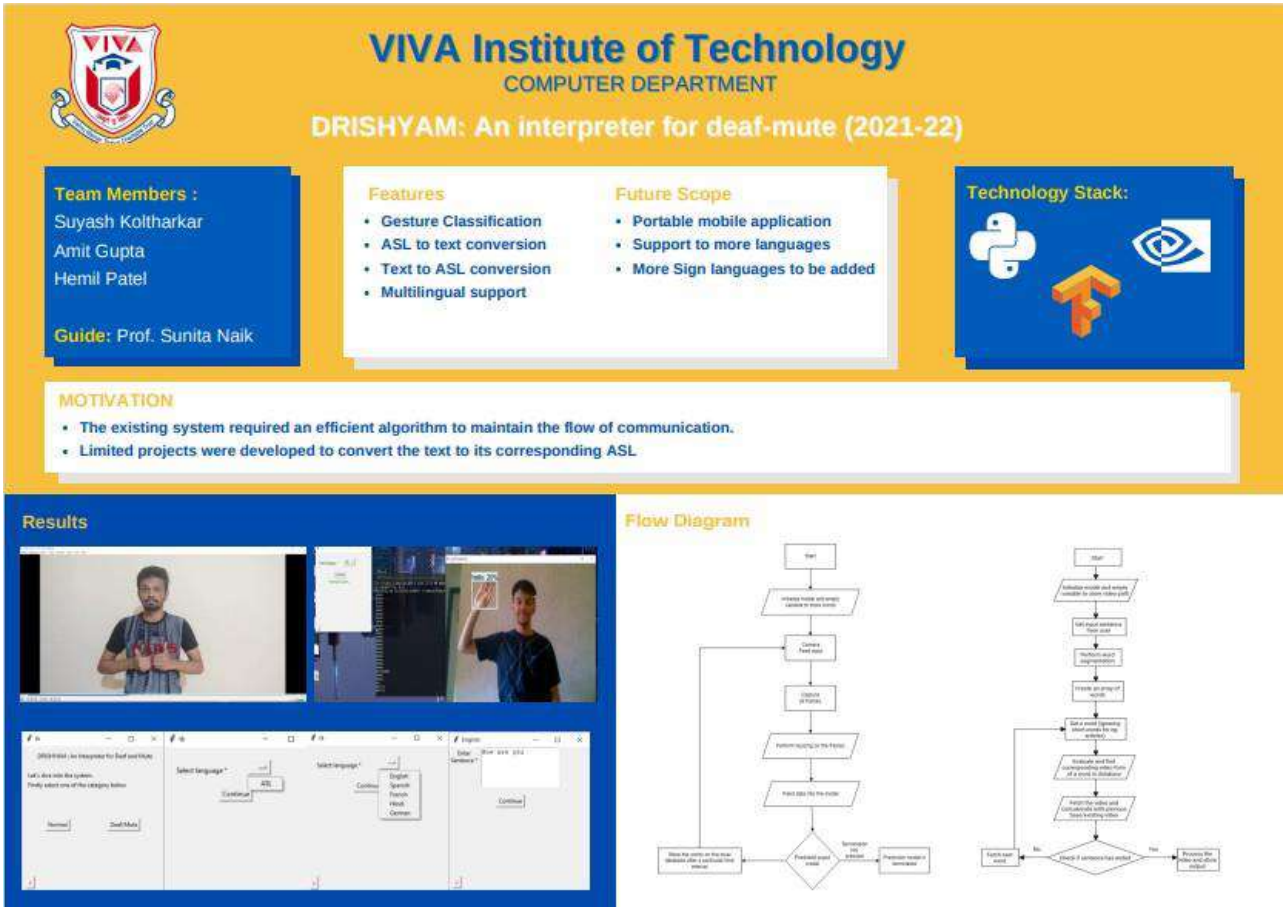
DRISHYAM : An Interpreter for Deaf and Mute

Name of Students - 1. Hemil Patel, 2. Suyash Kolhtharkar, 3. Amit Gupta
Name of Guide – Prof. Sunita Naik

Scope of work - As there are no viable systems available which can interpret the sign languages and provide the result in dynamic format, sentence formation was not introduced. The proposed system will maintain the flow of communication by taking video input and thus the output is produced in the form of text which can be converted into desired language. On the other hand the communication can be carried simultaneously by taking text input and producing the output in the form of video. The output can also be converted to speech.

Specifications and working of product - Deep learning is a subset of machine learning, which is prominently used ahead of its counterpart because of the needlessness of the so-called feature extraction. Needlessness in the sense that the deep learning models require little to no manual effort to perform and optimize the feature extraction process. Deep learning models can be feeded with any data (video, images) and it processes that data with the architecture provided and performs data extraction to train itself and acquire knowledge of various factors of data affecting the prediction or output. After successful training of the model, it can be used to predict unknown data by feeding the data into the model and getting the output. Before implementation there is a phase called testing phase which helps to know about the accuracy of the model, loss percentage, delay time and many other factors. After skimming through the previous research, it's many shortcomings were exposed. The existing systems offered high accuracy rates on feeding static images but the accuracy dropped significantly when dynamic inputs were fed. Some systems achieved good accuracy rates when fed with dynamic input but their scope was inadequate. The proposed system acts as a medium for deaf and mute community to communicate with ordinary people who are unable to understand sign language. The system has two modes of input. In the first mode, input is fetched from the camera in the form of video frames and then after processing and passing the frames through the model an output is generated. For the second mode, input is fetched from a naive user with no knowledge of sign language in the form of a sentence, the system will automatically perform word segmentation and then search for relevant video matching the word from the database and then combine all these video frames to get a single video feed as an output.

Developed product –



Application – Useful to Deaf & Mute human beings for Interpretation.

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PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2021-22

Product Developed - Smart Glove For Deaf And Dumb Patients.

Name of Students - 1. Pawar Rahul Rajendra 2. Murudkar Aniket Sanjay 3. Amin Gautam Mohan
Name of Guide - Mr. Mukeshkumar Mishra.

Scope of work - Communication for speech-impaired people is the biggest barrier they face in life. They use sign language to communicate but the people around them cannot understand them this can also affect their workspace but due to the technology now being developed, we have tried to make a smart glove that can help communicate with people. The primary aim is to develop a Smart Glove with gesture recognition that can be cost-effective with good accuracy. The smart glove is implemented with a flex sensor attached to it that can help track finger movement, accelerometer too with the help of a microcontroller The glove is equipped with flex sensors that has reactive elements, as with each specific gesture the resistance is produced the command is then given to microcontroller for specific gesture than convert this gesture to pre-recorded voice and text with output given by the speaker. This can help the speech impaired people communicate better and be a part of a large community.

Specifications and working of product -
of this research work include the Basic object of this project is to design a portable embedded system to develop an economical and simple solution for the detection of finger gestures Cost-effective, reliable data-acquiring method The project focuses to design smart gloves which can help speech impaired people to communicate and lower the communication barrier between them and a other people. The motive of the project is to design sign language smart gloves, translator fitted with sensors that can help to interpret 26 English letters in Sign language. Communication plays an important role in human day-to-day life it helps to communicate emotions, thoughts, and reactions which are understood by others. It is one of the aspects to develop relationships among others and to overcome distance. It should have a common medium to deliver messages and interpret, with modern technology have advanced methods to communicate with countless innovations and inventions have been developed. Communication for peoples which are physically impaired or speech impaired has become a challenge for them to communicate in their day-to-day routine. For sign languages different methods have been approached in the past for recognition, most of them are based on flex sensors, wearable conductive optical cable, strain gauge EMG (Electromyography, MMG(Mechanomyogram), and deterioration of fiber optic cable. In this project, we have used two types of sensors which are flux sensors and accelerometers.

Developed product -

Electrical Department Best Project 2019-20, Smart Glove For Deaf And Dumb Patients.

Application - A sign language smart glove with a translator fitted with sensors that can help to interpret 26 English letters in Sign language.

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PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2021-22
Product Developed - Human Benchmarking

Name of Students - Aman Tripathi 69
Tahir Shaikh 61
Mihir Mistry 38
Name of Guide – PROF. KARISHMA RAUT

Scope of work - In market, there are numerous software that are capable of benchmarking or gauging your computer hardware, mobile devices, electronics and all the gadgets pretty efficiently. But no one stops and wonders about the physical aspects. No way to benchmark them. The part that helps us exist, mental and physical attributes. All of this is because to implement them a lot of variables and parameters have to be considered and there hasn't been a single way to implement them seamlessly.

The society that we live in has deemed these factors invaluable or something which takes lower precedence over other things. This is what our application is built upon. To work around this issue and provide a platform to overcome this individuality and provide a fresh perspective.

Human Benchmarking is a platform which deals with a human's mental and physical attributes. It provides a steady platform to test your mental and physical capabilities. As time passed on, people started to prioritize other things over their own health. The human body has been neglected for a long time and there's no application which is capable enough to fix that problem. This application takes in multiple factors, cross references them and puts out a desired output for the user. Once implemented successfully, it can change the way we look at these factors and it'll shine a new light to how we view our human body. It can be used to improve our characteristics, brush up on one's abilities and even used in medical fields.

Specifications and working of product - Self-care is something that many people struggle to prioritize. There is a misconception that self-care is selfish, but this could not be further from the truth. Self-care is a crucial part of looking after yourself, as well as others. When you practice self-care you produce positive feelings, which boosts motivation and self- esteem leaving you with increased energy to support yourself as well as your loved ones.
Self-care starts with tending to your own needs. Read on to learn about ways to build self-care into your day and the benefits of doing this.
The beneficial effects of self-care include improved well-being and lower morbidity, mortality, and healthcare costs. In this article we address the current state of self- care research and propose an agenda for future research based on the inaugural conference of the International Center for Self-Care Research held in Rome, Italy in June 2019. The vision of this Center is a world where self-care is prioritized by individuals, families, and communities and is the first line of approach in every health care encounter. The mission of the Center is to lead the self-care research endeavor, improving conceptual clarity and promoting interdisciplinary work informed by a shared vision addressing knowledge gaps. A focused research agenda can deepen

our theoretical understanding of self-care and the mechanisms underlying self-care, which can contribute to the development of effective interventions that improve outcomes.

During conference discussions, we identified seven major reasons why self-care is challenging, which can be grouped into the general categories of behavior change and illness related factors. We identified six specific knowledge gaps that, if addressed, may help to address these challenges: the influence of habit formation on behavior change, resilience in the face of stressful life events that interfere with self- care, the influence of culture on self-care behavioral choices, the difficulty performing self-care with multiple chronic conditions, self-care in persons withsevere mental illness, and the influence of others on self-care.

Application – Body mass indexing,brain mapping etc

FINAL PROJECT

EXTC BEST PROJECT 2021-2022

Human Benchmarking

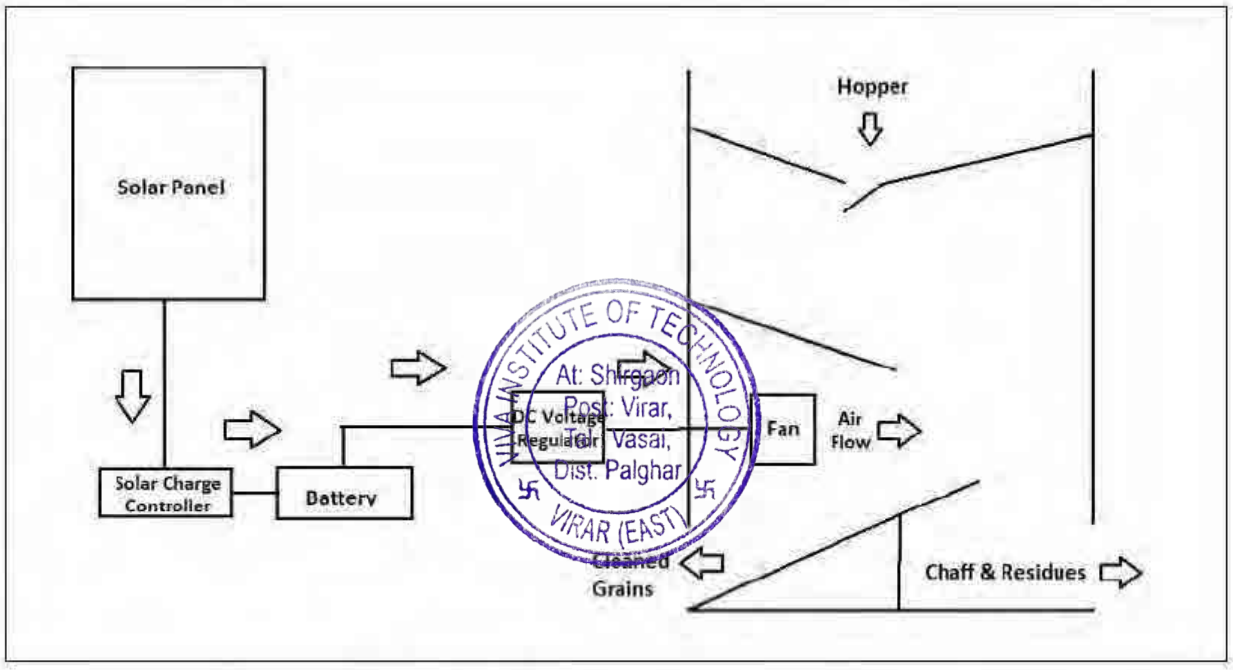
PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2021-22

Product Developed - Solar Operated Winnowing Machine for Grain Cleaning

Name of Students - 1. Mr. Rohit Patil 2. Saurabh Patil 3.Vaibhav Patil 4.Amey Pawar
Name of Guide – Mr. Priyank Vartak

Scope of work - Winnowing is the process of removing chaff and residues from grains.In conventional winnowing process farmers need to put grains in container and place that container on certain height from ground with the help of hands. The grains present in container are thrown out slowly towards ground and grains are separate from chaff and other residue due to air flow. This process takes a lot of human efforts. Also, this process is time consuming and totally dependents on air flow present in atmosphere at that moment. Hence, to make this process easy and fast for farmers, solar operated winnowing machine is designed. This machine decreases the efforts and time required for winnowing process. Also, due to its lightweight it can be easily transferable from one place to another.

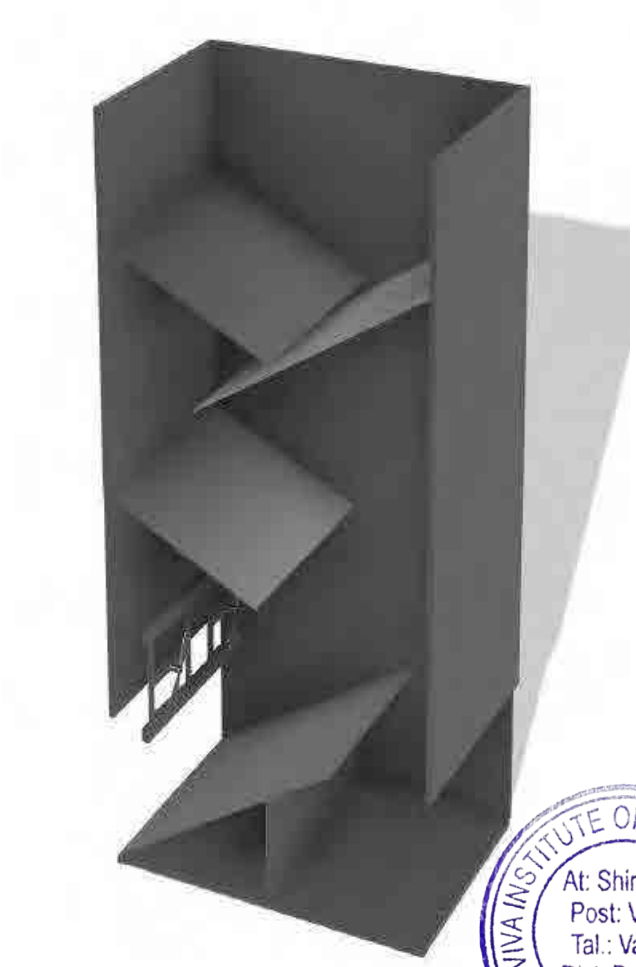
Specifications and working of product –



Block Diagram of solar operated winnowing machine

Figure above shows the block diagram of solar operated winnowing machine. Construction of solar operated winnowing machine is shown in above figure. The dimensions of body frame are 1m×0.6m×0.4m. The angle of inclined plates are 20 and 20 degrees. As shown in block diagram battery is connected with the solar panel with the help of charge controller. Battery is connected to the fan. Between battery and DC fans DC controller is connected to regulate the speed of fans. the arrangement of plates is such that mixture of grains and chaff are come in contact with fans air flow. Grains are comparatively heavier than residues. Hence, due to air flow grains and residue get separated. Winnowing machine have 2 different section. In left section clean grains are collected and in right section chaff and residue are collected.

Developed product –



Mechanical Best Project 2021-22: Solar Operated Winnowing Machine for Grain Cleaning

Application – Farming.

PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2020-21
PRODUCT DEVELOPED - Assessment and Risk Reduction Measures of Liquifaction in Soil
Name of students : Anand Sarvankar;Tushar Varose;Mohit Vaze;Sanket Patil
Name of Guide : Prof Arathy Menon

Scope of work : Aim of project is to analyze the liquefaction possibilities of some selected sites. The SPT data collected from selected sites and determination of liquefaction susceptibility of selected sites by using noviliq software. From this shear stress due to earthquake or settlements of structure are evaluated using novoliq software."A Phenomenon where by a saturated or partially saturated soil substantially loses strength and stiffness in response to an applied stress, usually earthquake Shaking or other sudden change in stress condition, ca using it to behave like a liquid" is called Soil Liquefaction. By using novoliq software for liquefaction data analysis, test values graphs are collected for determination of liquefaction susceptibility of these sites using Novoliq soil software. Finally we can analyze the liquefied zone or sites with the help software, for this liquefied sites prevention methods are to be given to promote anti liquefaction and risk measures. Additionally, phenomena related to damage in soils and foundations induced by liquefaction are investigated and discussed

Conclusion of work : The present work is carried out analyze the Liquefaction potentional and liquefied succebility from the SPT data we collected from journals bases on that data theoretical calculations and analyze in On Novoliq Software By calculation CSR ,CRR mathematically and finding FOS we able to find the liquification zones. Hence This method to find liquefaction zone is helpful for finding liquefaction zone and ln future will be as India lagging in liquefaction studies .When the FOS is greater than 1 there is no chance of Liquefaction to occur When FOS is less than 1chance of liquefaction to Occur Increases It the soil throught the site clearly classified as Andrew and martin (2000) and seeds (2003) ,additional liquefaction assessment is not required

PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2020-21

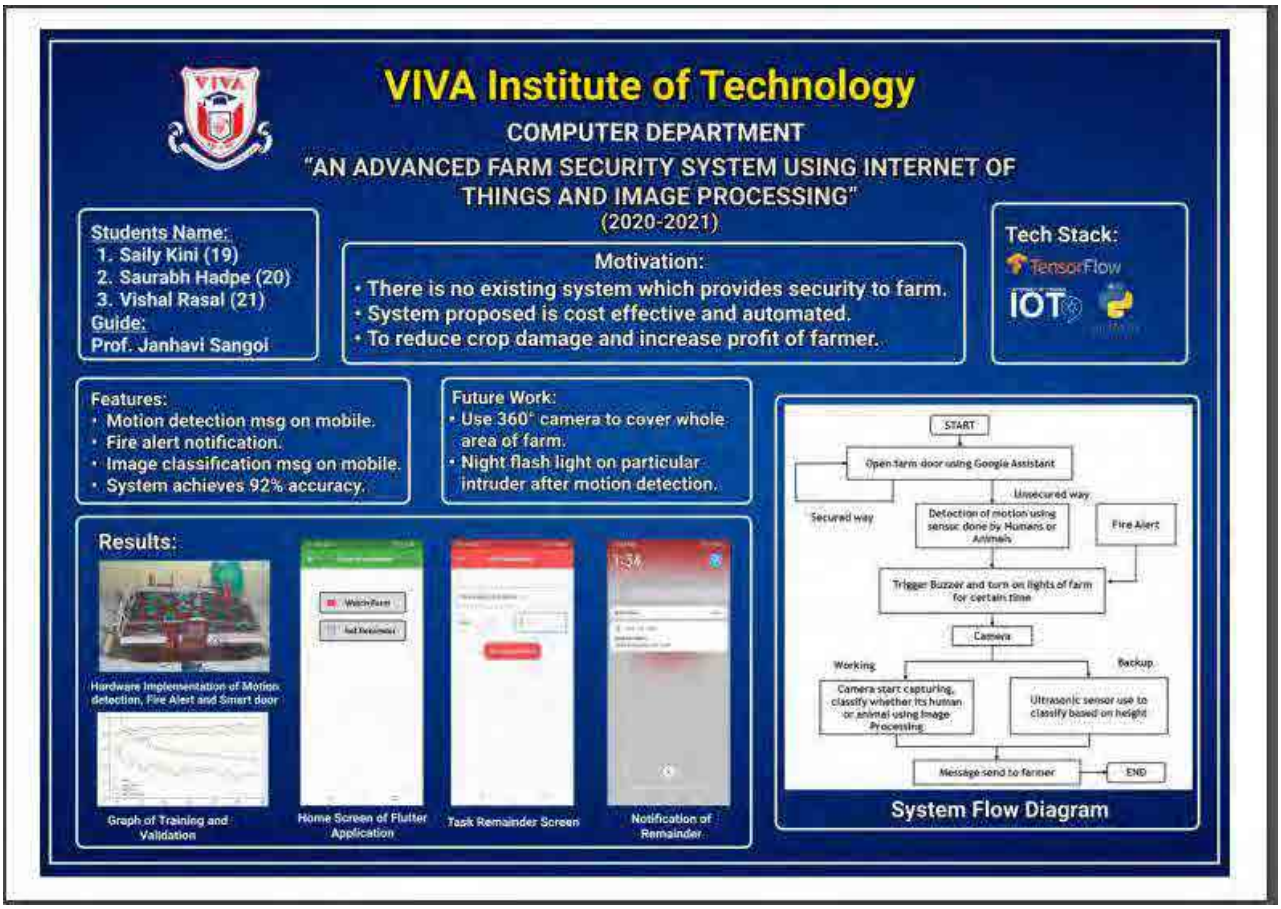
An Advanced Farm Security System using IOT and Image Processing

Name of Students - 1. Saily Kini, 2. Saurabh Hadpe, 3. Vishal Rasal
Name of Guide – Prof. Janhavi Sangoi

Scope of work - This project can undergo for further research to improve the functionality of device and its applicable areas. We have opted to implement this system as a security solution in agricultural sector i.e., farms, cold stores and grain stores. The results of the work point to the following directions of research that are likely to be needed for further improvement.
1. It can be further improved for the identification and categorization between humans as boy or girl and flying creature.
2. Design a system for night flash light which will focus on particular person/animal when it's moving.
3. Use of 360-degree camera in the implemented system so that the camera will cover the entire farm.
4. Find location of intruder using GPRS System.
In future there can be use of Raspberry Pi as it is the primary component in the field of web of things. It gives access to the web and henceforth the association of computerization framework with remote area controlling gadget winds up noticeably conceivable. Along with message alert and video streaming application there will be extension in the system by calculating moisture level, water level, soil texture, etc for irrigation purpose. Furthermore, the system can be extended by keeping backup of power by using solar panels even after electricity get cut.

Specifications and working of product - One of the main problems faced by every farmer in our country is low productivity of crops.This can be happening mainly because of two main reasons. The first one is crops destroyed by wild animals and the another one is because of bad weather condition. The propose system provides a better solution to the destruction of crops by wild animals or any intruder. This system will also provide a complete technical solution using the Internet of things i.e. (IOT) and Machine Learning to the farmers to prevent their crops from wild animals or any intruder coming into the field. Along with that it will also provide information about filed by live video streaming to the farmers so that it will maximize their production by preventing destruction of crops.
Animals/ humans are going to be detected using PIR sensors, buzzer is used to warn the intruder and cameras captures the live recording of the field where as intruder are identified using TensorFlow and Keras image processing Techniques. Ultrasonic sensor is used for backup purpose if camera doesn't work due to some technical issue and foggy environment. It will classify animal or human depend upon their heights in centimetres. IR sensor is used to detect fire in the farm and send alert message accordingly to farmer mobile. Google assistant is used to unlock the door.

Developed product –



Application – Security using IOT & Image Processing.

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PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2020-21

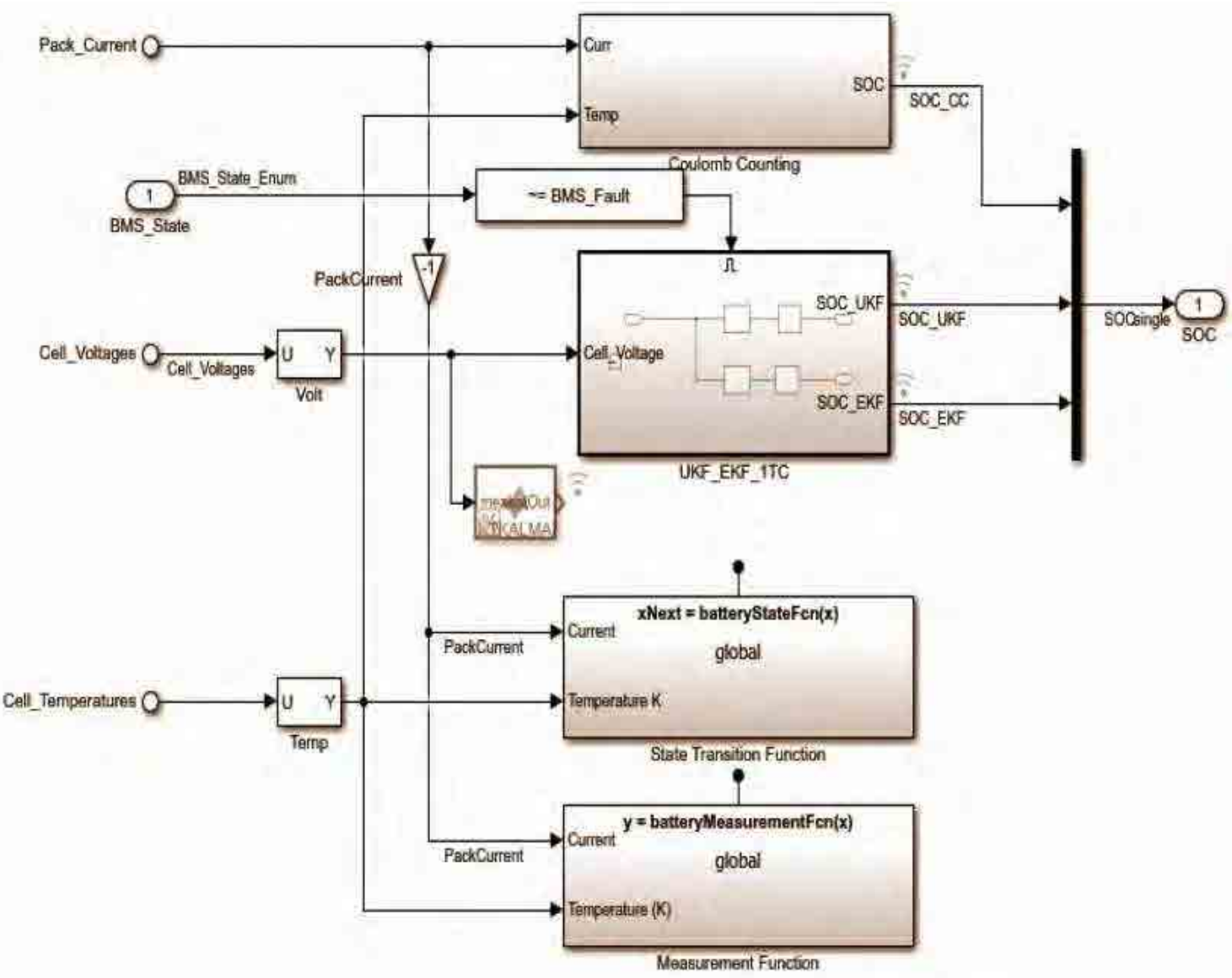
Product Developed - Data-Driven Analysis of Energy Management in Electric Vehicles.

Name of Students - 1. Sawant Sanket Dattatraya, 2. Patil Aniruddha Vishwanath, 3. Solanki Dipesh.
Name of Guide - Mr. Bhushan Save

Scope of work - Inevitably, there has been a concerted policy push at the national level to promote electric vehicles. In electric vehicles, the progress stands and falls with the performance of the battery. Lithium-ion batteries are considered in this research project, as they are the most crucial component in the electric vehicle power system and require accurate monitoring and control. Proper battery optimization in electric vehicles requires a meticulous energy management system. The energy management system is bound for estimating the battery's state of charge, state of health, various distinct factors in the system, and subsystems in real time. The state of charge estimation accounts for the prevention of over-charge and over-discharge of batteries and provides cell balancing. Traditional SOC estimation approaches, such as open-circuit voltage (OCV) measurement and current integration (coulomb counting), are relatively accurate in some cases. However, estimating the SOC for Li-ion chemistries requires a modified approach. This project presents the Kalman filtering algorithm for the state of charge estimation that provides precise results for a fair computational effort.

Specifications and working of product - If the system is non-linear, then we will use a linearization method at every occasion step to approximate the nonlinear system with a linear time-varying system. The state-space model is linearized at every occasion instance, which compares the expected worth with its measured battery terminal voltage to correct the estimation parameters for SOC. However, if the system is extremely non-linear, linearization error could occur thanks to the shortage of accuracy within the first-order Taylor series underneath an extremely nonlinear condition thanks to the benefits of EKF, several researchers have applied this methodology to the study of battery SOC. Compared to alternative extended Kalman filter algorithms, the sturdy pursuit cubature extended Kalman filter is associated with degree correct SOC prediction and quicker process time. The determination of SOC is going to be integrated into a capability assessment that additionally presents the battery's life standing and sets the in operation limits consistent with progressive algorithms, like symbolic logic, neural networks, and state-space-based models. The target of cell equalization is to maximize battery performance while not overcharging or over-discharging.

Algorithm Developed:



Application - To Improve performance dramatically impacts EVs salability.

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Department of Electronics and Telecommunication Engineering

PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2020-21
Product Developed - AI BASED FACIAL EMOTION DETECTION

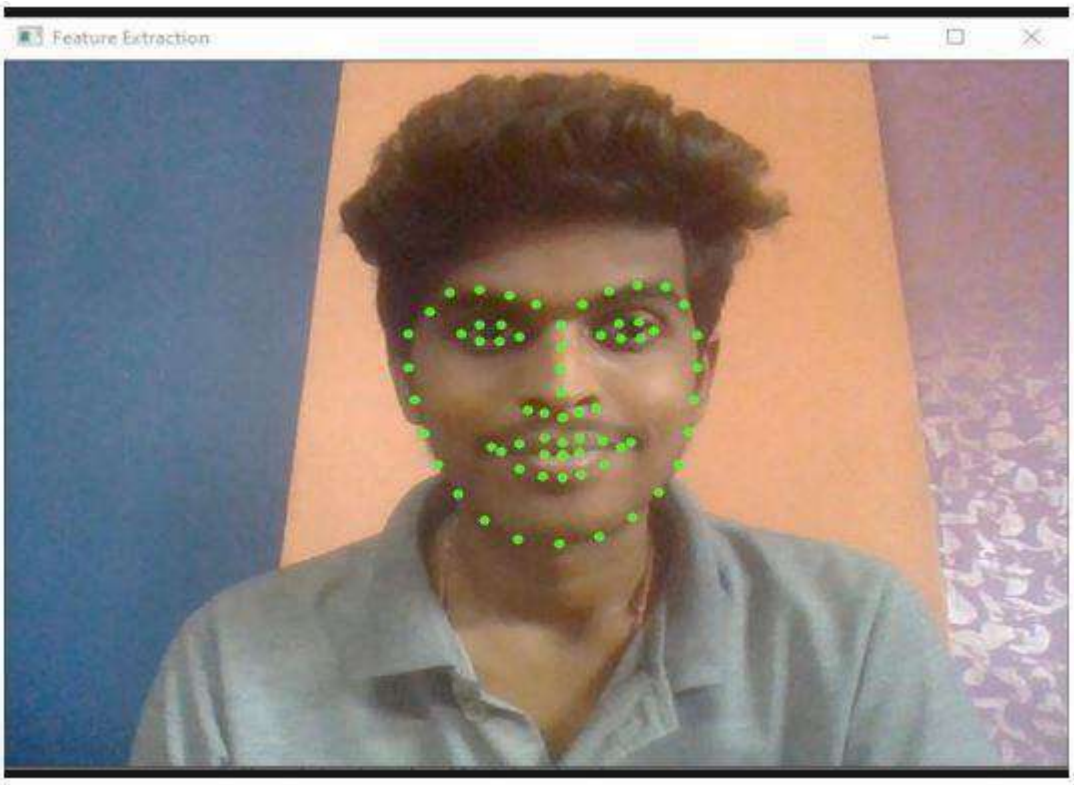
Name of Students - Chetan Bhosale 04
Disha Jariwala 12
Tejas Keni 16
Name of Guide – PROF KARISHMA RAUT

Scope of work - Face Emotion detection has become one of the most popular biometric techniques over past few years Facial Emotion Recognition has been a very significant issue and an advanced area of research in the field of Human- Machine Interaction and Image Processing.
To detect a facial Expression a system need to come across various variability of human faces such as colour, posture, expression, orientation, etc. To detect the expression of a human face first it is required to detect the different facial features such as the movements of eye, nose, lips, etc. and then classify them comparing with trained data using a suitable classifier for expression recognition.
A novel AI based approach for facial expression recognition system is proposed. There are two main processes in the proposed system, which are face detection and facial expression recognition (FER). The face detection is done using Haar Cascade Method. Appropriate feature extraction method will be used for feature extraction and then support vector machine is used to classify the final facial expression. FER13 Data set is used for training.
This project presents an efficient and low complexity approach to face emotion recognition, which combines image preprocessing such as grey scaling along with use of classifiers which are among popular methods used for face emotion detection.
Progress and innovations are done in this field regularly for getting higher accuracy and desired outputs facial emotion detection has high identification rates with well controlled pose and illumination conditions.
Specifications and working of product - Human emotion recognition plays an important role in the interpersonal relationship. The automatic recognition of emotions has been an active research topic from early eras. Therefore, there are several advances made in this field. Emotions are reflected from speech, hand and gestures of the body and through facial expressions. Hence extracting and understanding of emotion has a high importance of the interaction between human and machine communication.
Facial expression recognition (FER) has emerged as an important research area over the last two decades. Facial expression is one of the immediate, natural, and powerful means for humans to communicate their intentions and emotions. The FER system can be used in many important applications such as driver safety, health care, video conferencing, virtual reality, and cognitive science etc.
Generally, facial expression can be classified into neutral, anger, disgust, fear, surprise, sad, and happy. Recent research shows that the ability of young people to read the feeling and emotion of other people is getting reduced due to the extensive use of digital devices.

Therefore, it is important to develop a FER system which accurately recognizes facial expression in real time

Application – Surviellience and security

FINAL PROJECT



EXTC BEST PROJECT 2020-2021

AI BASED FACIAL EMOTION DETECTION

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PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2020-21

Product Developed - Exhaust Gas Analyzer

Name of Students - 1. Mandar Pitale 2. Yash Rane, 3.Khushal Prajapati, 4.Ritwik Tiwari
Name of Guide – Mr. Swapnil Raut

Scope of work - Due to increase in use of private vehicles the exhaust emission of gases like CO, CO2, HC, PM have been increased which is trapped in atmosphere and rises the global temperature and known as "GLOBAL WARMING" which triggers the harmful calamities and has adverse effect on living organisms. Hence, to aware the society about the effects of such gases worldwide nation's efforts are taken. The Exhaust gas analyzer measures the vehicle emissions or exhaust gases by using appropriate sensor used for measuring emission gases. And the output from senors is compared with the current or ongoing issued norms, the concentration of gases will be notified to user to aware the user for vehicle maintenance and flaw detection.

Specifications and working of product - The product consist of Testing tube, blowoff mechanism(fan and collecting tube), chamber (consisting of all sensors and wiring) and USB wire for connecting the computer. The Blow off mechanism is connected on the left side of the chamber where its position is marked. Connect the USB to right side of chamber to the computer and turn on the device to run the fan. This is done to ensure that blowoff mechanism is connected well. After the testing tube is attached to the end of blowoff mechanism and sealed it so that no gas leakage occurs. Hence assembly of project is done. Assembly consist of chamber, case and tube. The tube of stainless steel is placed in exhaust pipe of vehicle to be tested. Before placing the pipe in exhaust of vehicle it should be accelerated little and to be maintained in idling state. Before inserting the pipe of machine, the machine sensors are to be preheated for 1min.After placing the pipe choose the vehicle type i.e. two wheels or four wheels from micro switches. The sensor will read the data and send it to arduino for processing, the data will be displayed on LCD screen for user reading as well as the data will send to user android phone through Bluetooth. NOTE: User must have the arduino serial monitor app to get reading from machine. If the gasses concentration is within limit then arduino will display the "SAFE" message on LCD otherwise "NO SAFE" message will be displayed. Once the readings are obtained user can reset the arduino and turn on exhaust fan to remove gases from chamber so that no residues are present for future use.

Developed product –

Exhaust Gas Analyzer

Application – The product is expected to analyze the exhaust gases and notify the user about their concentration and contents, also warn the user if the concentration of gases exceeds the permissible limit or set limits as per NORMS.

PRODUCT DEVELOPMENT
ACADEMIC YEAR: 2019-20
PRODUCT DEVELOPED – Pushover analysis for steel frame structure with bracing
Name of students: Mitesh Arora, Aditi Chaugule, Pratik Chaurasia, Rahul gautam.
Name of Guide: Meena Bhagat

Scope of work : In last few periods steel structure has played an essential role in industry of construction. it is necessary to design a structure so that it implement well under seismic loads. The seismic performance of a multi-story steel framed building is designed in accordance to the provisions of the Indian code (is 800 -2007). The ductility of the structure can be improved by introducing steel bracings in the structural system. Different type of bracings can be used for retrofitting too. performance of frame is studied through nonlinear static analysis (pushover analysis) using a software package e-tabs 2016, diagonally braced, alternative diagonally braced, v-braced, inverted v-braced, k- braced etc. in this study a typical multi-story (g+5) steel frame building is designed with and without different types of bracings. Deformed shapes, hinge results, lateral displacements, modal period and frequencies of the altered building frames and corresponding type shapes are compared for frame with and without bracings. Pushover curves and performance points for the different frames with and without bracing systems are compared to find the relative performances of several frames considered..

Conclusion of work : The concept of steel bracing is advantageous to resist the seismic force. The bracing system effectively reduces the lateral displacement of the structure. Steel bracing the amount of forces in members significantly reduces. After using bracing member a relative member margin of safety against collapse increased. Comparing the result of structures with and without bracing, base shear vs. displacement curve indicates that the braced structure are far better than structure without bracing. It also indicates that the capacity curve become more linear for structures with bracing. When storey wise displacement were compared with X, V , Inverted V and Diagonal bracing compared was found to giving better results in terms of displacement the X bracing has less displacement.

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PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2019-20

Abhiswarika : An intelligent waste classifier and collector bot

Name of Students - 1. Vishal Bangera, 2. Rahul Mishra, 3. Aditi Tare
Name of Guide – Prof. Dnyaneshwar Bhabad

Scope of work - The proposed system aims to classify and collect the garbage into two separate bins. With the help of US and IR sensors the system is able to efficiently detect object and obstacle. The system would be able to find shortest path by using efficient shortest path finding algorithm (Dijkstra's algorithm). In proposed system Robotic arm will play a key role for segregation of garbage into two classes.

Specifications and working of product - Recent estimates predict a 10% compound annual growth rate (CAGR) in plastics consumption over the next five years, reflecting a similar growth in the preceding five years. The Indian government has set the goal of doubling the per capita plastics consumption by 2022, presumably a surrogate measure for economic advancement and increased advanced manufacturing. Enforcements of law by the Indian Government for the welfare of the sanitation workers have raised the need for an automated and smart system in waste management.

62 million tons of garbage is generated in India per day i.e. 1.43 lakhs tons per day. More than 45 million tons of waste is untreated i.e. only 23.73% is being processed as in the end of January 2019.To truly understand the magnitude of that , imagine 3 million trucks piled with untreated garbage.

This research aims to design and make garbage classifier and collector bot which will have two modes to operate i.e. manual as well as automatic. Using the concept of deep learning the bot will classify the garbage into two class i.e. biodegradable and non-biodegradable waste. Dataset of their images are used to train the model. The waste is collected with the help of robotic arm attached to the bot and is discarded into two separate dustbins.

Developed product –

Application – Waste Collector, bot classifier.

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PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2019-20

Product Developed - Generation By Fibonacci Spiralturbine.

Name of Students - 1. Parnale Shubham, 2. Jadhav Tanmay, 3. Kedar RautParab Neel
Name of Guide - Mrs. Chitralekha Vangala.

Scope of work - This paper presents a conversion of WIND ENERGY to electrical energy. The generated electricity is used in the electric vehicle. This generated electricity can be used as a backup and can be used to increase the run time of the electric vehicle. The Fibonacci turbine is used for generating electrical energy. Archimedes turbine is suitable for such an application because of its shape and speed at which it rotates. (Approx.12000 RPM). The Fibonacci turbine is a type of Horizontal Axis wind turbine, which has a great wind flow velocity to its surface which leads to less stress on it even at high speed.

Specifications and working of product - In this project, we will be using the concept of a horizontal axis wind turbine to charge the battery storage system present in electrical vehicles. This system would be effective when the vehicles are running at a constant speed which is very much possible on the highway. Now the main obstacle, which comes in forward to reducing the use of electric vehicles in India, is the number of charging stations and the distance between them. So when these vehicles are running on highways and no nearby charging station this would be a bigger problem for the customers. Thus exploiting this method we tend to area units able to increase the run time of the vehicles. The generated energy is utilized to charge the battery system of the electrical vehicles already mounted on the vehicle. The presently designed rotary engine can bear moving its energy by reversing wind direction. inside the gift analysis, degree experimental study is attended to induce the evolution of the tip vortex structures inside the on the brink of the wake of the scientist rotary engine model and thus the mechanic's characteristics in degree open kind construction by using a PIV live system. The Lattice physicist technique has been applied to research the behavior of mechanics' characteristics shut the scientist's rotary engine and take a glance at the power as a mode implements for the rotary engine. The focus of this analysis is on quantifying the evolution of the tip vortex properties and rate distributions, furthermore as mean velocities and instant velocities. A spiral blade rotary engine works on the principle of conservation of momentum like completely different wind turbines, but the excellence in their blades is capable to extract most electricity from the wind by ever-changing energy into electricity. The Fibonacci spiral degree approximation of the golden spiral is created by drawing circular arcs connecting the choice corners of squares at intervals in the Fibonacci tiling; this one uses squares of sizes one, 1, 2, 3, 5, 8, 13, and 21.

Developed product -

Electrical Department Best Project 2019-20 - Fibonacci Spiralturbine

Application - The wind has huge potential and can be used as a clean alternative energy source.

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Department of Electronics and Telecommunication Engineering

PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2019-20
Product Developed - Brain Controlled Wheelchair

Name of Students - Suchan Khade 15 Rubini Pulliadi 34 Jiteshkumar Yadav 47
Name of Guide – PROF NUTAN MALEKAR

Scope of work - Nearly 2.5 – 5 million people suffer a spinal cord injury (SCI) and severe impairments every year around the world due to road traffic crashes, falls, or violence. The damage of the spinal cord and nerve root may lead to incomplete to total dysfunction. Under such conditions, most people are unable to control their electrical wheelchair using a standard joystick. An alternative controlling mechanism is needed, as there is limited physical movement above the fourth cervical vertebra, typically no single alternative interface provides a comprehensive solution to the control wheelchair. Thus, there is a need for designing a wheelchair that can be controlled by the internal organ and not the external organ so that even the users can access this wheelchair independently without any assistant. Hence, there is a need for designing a wheelchair that is smart and provides easy manoeuvrability.
In this project, Brain-Computer Interface (BCI) technique is being used. BCI is the systems that allow proficient communication and control between the human brain and external devices through muscles and thoughts by converting distinct forms of activity of the brain into commands in real-time. This project first captures EEG signals from the FTnS EEG sensor and sends this signal to the microcontroller via Bluetooth module. The microcontroller will convert the received signals into command signals according to the designed motion algorithm. These command signals will be provided to the motors via the motor driver and hence giving directions such as Right, Left, Stop, Forward, and Backward to the wheelchair. If there is an obstacle, then the wheelchair automatically stops. The ultrasonic sensor is being used for obstacle detection. Also, if there occurs any failure in the automatic system, an alternative solution is implemented in which the wheelchair will be controlled through the joystick.
This project results in ease handling since to control the wheelchair, the user just needs to concentrate or relax. It consumes less power. Designed wheelchair shows 80% efficiency because 20% tolerance is being seen while conditioning the EEG signals, which can be further improved using Machine Learning Technology. Moreover, it is a cost-effective project and universal for the stakeholders, especially for locomotive disabled people and older adults. Also, if there is any defect or fault in any hardware component, changing the same becomes flexible.
Specifications and working of product – One billion people, or 15 percent of the world's population, occurrence some form of disability[1], [5]. Physical impairment is a category of disability that includes people with various types of disabilities. Locomotor disability includes upper or lower limb loss, physical dexterity, and disability in coordination with different organs of the body[4]. A spinal cord injury, damage to any part of the spinal cord or nerves at the end of the spinal canal, often causes permanent changes in strength and other body functions below the spot of the injury. These persons with physical impairment disabilities often use assistive devices or mobility aids such as crutches, canes, wheelchairs, and artificial limbs to obtain mobility[2],[9]. To assist their mobility, the idea of moving the wheelchair with the help of brain signals. This is being done using a brain-computer interface (BCI) technique.

The brain-computer interface (BCI) is implemented in this project to give complete control of the wheelchair through the "brain" of the user. This project is a prototype for the wheelchair. It aims to give the motor ability to persons with severe disabilities.
The least invasive method to draw signals from the brain electroencephalography (EEG) uses electrodes attached on the forehead[11]. The brain produces electrical pulses from the millions of neurons communicating with each other for transmitting the information[1],[5]. The Human brain produces different signals with varied frequencies. These signals are classified according to their distinct information content and then assigned to responses from the user's brain. The wheelchair will have the operations to go forward, reverse, to turn left, right, and to stop. Even with fast technological and scientific development in devices for physically disabled and challenged persons, only there has been very little development in the design of a wheelchair over the last 200 years[1],[5],[12],[15].

Application – For handicapped people to do their daily routine work

FINAL PROJECT

EXTC BEST PROJECT 2019-2020
Brain Controlled Wheelchair

PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2019-20

Product Developed - Ploughing, rice planting and harvesting machine.

Name of Students - 1. Hitesh Pagdhare, 2. Roshan Patil, 3. Kedar Raut, 4. Sanket Sambhare.
Name of Guide - Mrs. Niyati Raut

Scope of work - The conventional method of ploughing, rice transplanting and cutting of crop is laborious process and hence for that reason there is a scarcity of laborers and basically, many farmers use bullock's and buffalo for farming operations. This does not satisfy the energy requirements of farming as compared to the other countries in the world. This results in delayed farming crops, loss of manpower and reduced productivity. By this machine manual efforts are replaced by mechanized farming which will be suitable for small scale farmers from an economic point of view.

Specifications and working of product - This farming machine is doing three operations i.e. ploughing, rice-transplanting and crop cutting. Machine is driven by a 198.88cc petrol engine that means only one power source is used for all operations. The machine is divided into four parts, Part-1 is the main machine part, which includes the power distribution and control system. Here the power is distributed by wheel as well as another three attachments to do their work. The attachments are attached or detached when it's required and we used one attachment at a time, Part-2 is the Ploughing attachment, it is the attachment which is used for land preparation and mudding operation. The land preparation is basically used for seeding of the rice seeds and the mudding operation is used before the replanting process for making a mud in a farming area. Part-3 is the rice transplanting attachment, it reduces human error and increases productivity. After the rice seeds seeding process the maximum 21 to 25 days of rice crop are used as replanting. For transplanting first we have to make a crop bed and this bed is placed in a seeding tray and transplanted into the rice field by a transplanter. Transplanting is the method for the rice crop replanting which increases rice growing rate. The attachment used the concept of a sliding, quick return and cam and follower mechanism in order to transfer rice crop from seeding tray in the field with minimum damage. Part-4 is the harvesting attachment. The main function of this attachment is to cut the rice crop, it can cut up to two rows of rice crops without any decrement of rice. It's cut by the sliding of two sets of V- shape cutting blades with each other. The whole system are compact in size, we used a simple and conventional process for manufacturing them and it ultimately reduces the whole cost of the project.

Developed product -

Application - Ploughing, planting and harvesting of rice crops.

PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2019-20

Product Developed - Solar Powered Electric Bike.

Name of Students - 1. Mandar Patil 2.Vishal Sable, 3.Jayesh Sapkal, 4.Krunal Vartak.
Name of Guide - Miss. Chhaya patil

Scope of work - Due to increasing demands in automotive sectors, the competition in automobile sector started to increase in 21st century. The customers are looking for more advanced technology in bike along with aesthetics. So the Bike manufacturers are looking to give their customers more and more advance technology within the bike and within a certain price. As there is increasing pollution day by day the manufactures are looking for an alternative for internal combustion bike and moving towards EV bike. To overcome the depletion of fossil fuel we can simply use an electric bike, but for charging of battery we need to pay money for its charging purposed. But through this project idea charging of battery will becomes less costly or free as the solar power is available freely.

Specifications and working of product - At beginning a conventional petrol engine bike is converted into the solar electric bike. First they disassembled the bike and remove all the non-value adding parts just like engine, gearbox, silencer, clutch, ignition system. As we all know in conventional bike for the horn, headlight and indicators one 12V battery is used, here they have used 48V battery so they have removed all the wiring connection. Motor is very crucial in this project. It is a very powerful motor so it must have a solid/rigid base to withstand the vibrations. The motor is driven the rear wheel by chain drive therefore, it is mounted on base of the frame of bike the motor location is very close to the ground so the center of gravity is also very low. To withstand such a vibration, they have chosen mild steel. Mild steel is very strong due to the low amount of carbon it contains. It has a high resistance to breakage also it is easily weld able and machinable. Solar is the main feature of this project. Its size is about 1346×986×40 mm and its weight is 17 kg, so for such a big panel they have to build a structure to sustain the load of panel over the bike and also they have to make it sure that the structure weight is optimum if it exceeds then bike may get topple. They have tested bike for a distance of 1Km. thereafter they came to know that for 1Km of distance battery discharges approximately 1-2 volt under full throttle condition. At the same time solar panel charged the battery, so under cloudy weather the battery charging rate is 0.1-0.3 volts and under sunny condition the charging rate is 0.5 volt per Km. From above mentioned results we can conclude that, the bike will run at 30Km/hr for the 80% discharge of battery without connection of solar panel. Under the connection of solar panel, if the weather is sunny then bike will run for 50km for 80% of discharge of battery.

Developed product –

Frame cutting

Upper frames

Final frames

Grinding

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Application – Local transporting.

PRODUCT DEVELOPMENT
ACADEMIC YEAR : 2018-19
PRODUCT DEVELOPED – Strengthening of Black cotton Soil
Name of students : Akash H Koli, Ganesh S Kudu, Omkar B Loke, Nilesh R Mestry.
Name of Guide : Prof Vishal Urade & Prof Arathy Menon

Scope of work : Black cotton soil have the tendency to swell or shrink depending on its moisture content. Due to such expansive characteristics of soil, the structures constructed over this may develop some cracks in due course of time. It is there for essential to stabilize such soils, prior to any construction work carried out on this to improve its engineering properties. Various tests like Plastic limit, Liquid limit, Standard proctor test, unconfined compressive test and California bearing ratio test were performed on the soil samples. At present, waste materials like cement waste dust are in abundance at various parts of our country. These wastes not only create health problems but also its disposal is a great problem for our society. This paper deals with a feasibility study carried out to find the suitability of using waste material i.e. cement waste dust as stabilizing material for improving the engineering properties of black cotton soil. The soil samples prepared by using Cement waste dust mix with black cotton soil at different percentages are tested. The percentage of cement waste dust with black cotton soil added to be 5%, 10%, 15%, 20%. Cement waste dust added with black cotton soil at different percentage are compared together with the pure soil sample to obtain optimum percentage of admixture added to soil. Comparison of results will show the % of admixture is most suitable for this soil sample. So stabilization of soil and waste management will go hand in hand.

Keywords : *Black cotton soil, cement, Expansive characteristics, Arbitary Limits.*

Conclusion of work : Black cotton soil has tendency to swell and shrink because of difference in moisture content. This leads to develops cracks and damages to pavement. So in order to construct the pavement on such a soil and make it safer for the everyone is challenging task. Stabilization of soil is one of the basic process used in such a conditions. This can be done by adding admixture to

the soil. Addition of soil in proper proportion is important factor is considered while stabilization process. Which admixture is added to the soil is depend on the properties of soil, so initially it is required to find out properties of soil and choose admixture suitable for its strengthening or stabilization. Various research paper were studied in this project to know which testing is required to be done on soil sample and which properties is to be known before adding admixture. It also provides good guidance regarding methodology to be adopted while performing the project. All test carried out according to IS code provision. After testing of black cotton soil we get plastic limit as 35.21%, liquid limit as 69%, MDD 2.28gm/cc, OMC 10.2%, UCS 2.09kg/cm2, CBR 3.22%. These properties are not suitable for construction of pavement work. After addition of admixture liquid limit decreases to the 47.33% whereas plastic limit decreases to 27 6%. Also 67 the unconfined compressive test increases to the 3.04 kg/cm2 which is required for the subgrade soil. According to the IS code for subgrade soil CBR value should more than 5% and we get CBR value increases to the 8.58%. After comparing the test result we get that CBR value of soil increases with increase in % of admixture whereas unconfined compressive strength up to 20% admixtures and then further decreases. Property of soil such as plasticity index, OMC, MDD also comes to favorable value after addition of admixture. The result of test performed on soil with or without admixtures we conclude that addition of cement dust waste gives can give favorable results. Required characteristics of sub grade material for construction of permanent work can be achieved up to max efficiency by addition of admixture in soil about 20%. So after all results, calculations, discussion and comparison we can say that 20% of admixture added to soil will result in most favorable condition for construction of pavement.

Strengthening of Black cotton Soil

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PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2018-19

Digitize RTO Document Verification System.

Name of Students - 1. Suranjan D. Mhashilkar, 2. Ankit B. Jain, 3. Meraj A. Shaikh
Name of Guide – Prof. Ashwini Save

Scope of work - In future, System can be implemented to see the sensitive areas where most of the rule violations occur. The speed violation can be implemented in such a way that if the driver exceeds the speed limit of particular road then automatically the fine will be applied to him. This system can be integrated with Aadhar Card.

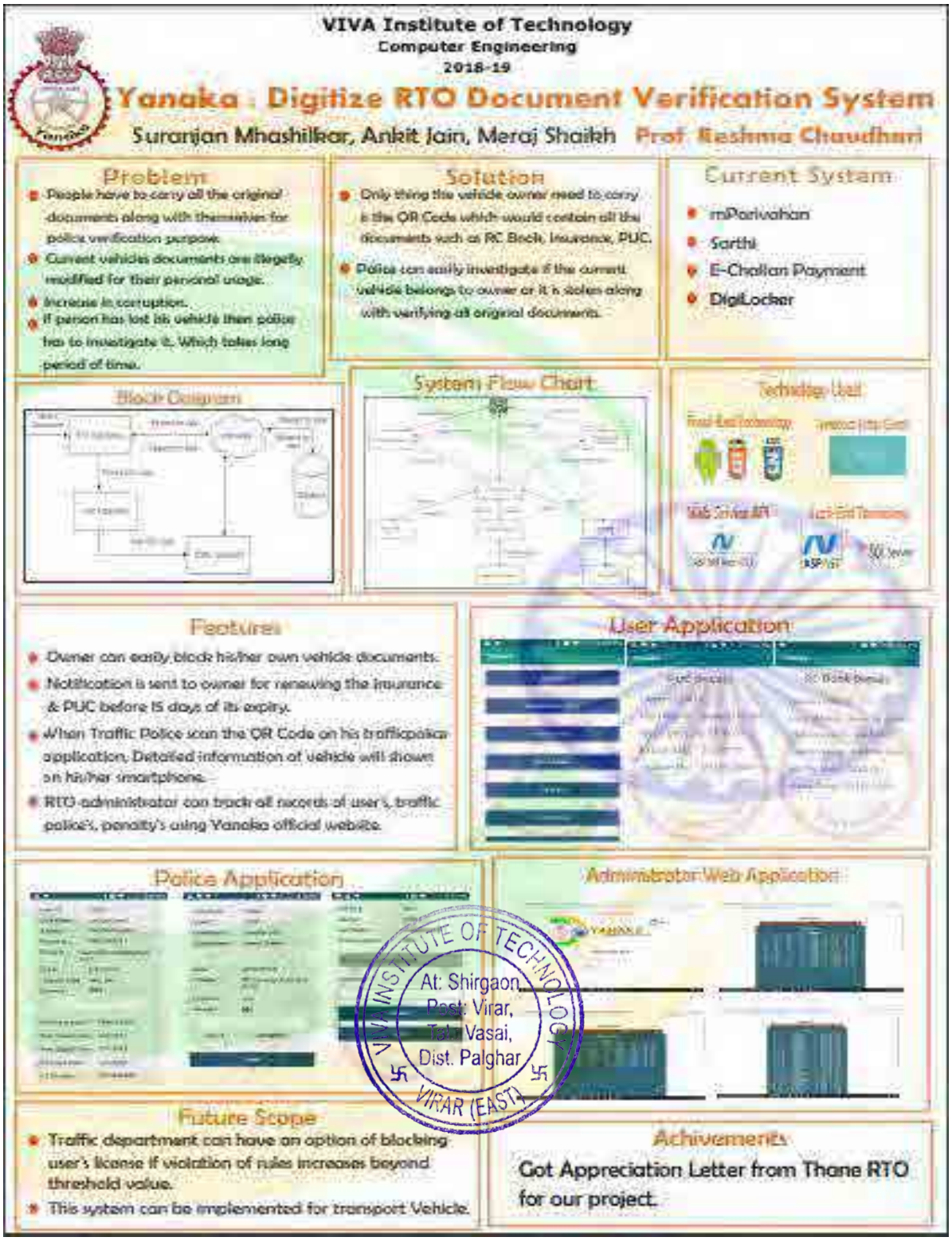
Specifications and working of product - Nowadays most of the people are using their own vehicles for the transportation purpose, due to that road traffic has been increased tremendously. As a result, the workload of a policeman has been increasing to verify the documents of the vehicles. The most common problem between people is that they have started creating fake registered documents, insurance documents and other related documents.

On a regular basis, we often observe people have to stop their vehicles on the road or toll booth to show their documents for their vehicles and then continue their journey. This not only a waste of valuable time for the vehicle owner but also for the police who take time in checking the documents and return them back. Sometimes the vehicles owner fails to carry the desired documents due to some reason and therefore ends with a penalty or fine.

We are aiming to provide a system, which will be used for verifying vehicle and the user Details using Quick Response Code and as a result system decreases the time required for verification purpose as compared to the existing system. We provide Smart card to Vehicle owner which has printed QR code of the user and Vehicle number. Automatically system incur a penalty for violation of any of the traffic rules. If an owner of vehicle who is driving vehicle, violates any of the traffic rules, the driver will be charged according to the RTO rules. Our system will automatically deduct the penalty amount directly from the user account.

If any vehicle gets stolen, then the owner of the vehicle can block their documents using the user android application and after blocking the documents if any traffic police authority scans QR then it will show that your data is blocked. It is mandatory for the owner to maintain the entire document and update them regularly by keeping track of renewal/expiry date, if the renewal date of the document expires then in this case notification will be sent to the owner of a vehicle.

Developed product –



Application – Document Verification.

PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2018-19

Product Developed - Interfacial Tension Test of Transformer Oil.

Name of Students - 1. Intezar Ali L.R Salmani, 2. Prasad L. Bobhate, 3. Deepak B. Kushwaha
Name of Guide - Mr. Bhushan Save.

Scope of work - Transformer oil usage is growing day by day because of the major expansion of electrical networks in developing countries. This has resulted in an increase in demand for transformer oil. Oil is an important factor in transformers. But after a time interval, transformer oil undergoes mechanical and electrical stress. This results in the chemical impurity of oil and leads to diminished performance. If not maintained properly, it can result in power breakdown. Hence the transformer oil must be tested at regular intervals. The interfacial tension of oil is related to the purity of the oil. In this test, we measure the surface tension of the oil against that of water. The device which determines the interfacial tension is known as a tensiometer. It is based on the Du Nuoy principle. This test is a fast and accurate method of determining the deterioration of the oil.

Specifications and working of product - The interfacial tension (IFT) test indicates the presence of sludge in transformer insulating oil. This test measures the concentration of polar molecules in the oil and thus gives an accurate measurement of dissolved sludge in the oil. The surface tension of new oil is high. But after a time interval, due to mechanical and electrical stress, oil becomes contaminated and deteriorated. It leads to diminished performance. To maintain the life of the transformer and to avoid breakdowns, regular testing of the transformer oil is necessary.

The interfacial tension of oil insulating fluid is related to the purity of the oil. Water is polar in nature. Transformer oil is a non-polar saturated hydrocarbon. When the oil undergoes oxidative degradation, carboxylic acids are formed which are hydrophilic in nature. In this test, the surface tension of the oil is measured against that of water. The value of the surface tension is lower for the deteriorated oil. Thus if the concentration of hydrophilic materials in the transformer oil is high then the interfacial tension of the oil measured against water will be low. The standard of this method is given in ASTM D971 and IS 6104-1971. The device used to determine the IFT is known as a tensiometer. It is based on the Du Nuoy principle. The oil sample is carefully floated on top of a layer of water. The force necessary to pull a platinum ring upward from below the water level through the oil is measured by using a calibrated load cell. The force is measured at the point when the ring breaks free of the water layer i.e. the interface of water and oil as it is being pulled upward through the oil layer. There are correction factors that have to be considered relating to the dimensions of the ring and the densities of the water and sample.

Developed product -

Electrical Department Best Project 2018-19, Inter facial Tension Test of Transformer Oil

Application - Testing the oil at the scheduled time, we can repair or replace the transformer before a failure occurs.

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Department of Electronics and Telecommunication Engineering

PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2018-19
Product Developed - DENSITY BASED TRAFFIC CONTROL SYSTEM USING GOOGLE API

Name of Students - Amitendra Bhardwaj Roll No. 05
Umang Kacha Roll No. 25
Manisha Mane Roll No. 35
Bhakti Shetty Roll No. 60
Name of Guide – Prof. Shoeb Shaikh

Scope of work - As the increase in population produces an increase in numbers of vehicles on road, this causes severe problem in traffic management system. The purpose of this project is to design a density based traffic signal system where the density of traffic is calculated by the travelling time at a junction provided by the Google server. Calculated density is used for allotting a green time to traffic signals accordingly. The advantages of Google API over other techniques is that it reduces maintenance cost thereby saving processing time also it can provide high accuracy as compared to other mentioned techniques as it is a real time based system.

Specifications and working of product - Traffic control is a big challenge in urban areas for most of the countries. Even if we consider small towns or cities plagued with number of vehicles like cars, trucks, bicycles, rickshaws to save our time it is at most important to handle traffic. There are many technologies that are used for controlling traffic but technology which precisely deals with automatic traffic data collection and automatic traffic sorting is much needed and reduces man power. The purpose of this project is to reduce the work load and to design density based dynamic traffic signal system where the signal timing changes automatically after sensing the traffic according to the density at junction; this technology is capable of automatic detecting vehicle with the help of integrated traffic management system; here automatic technique is used to detect vehicle. Traffic congestion due to increase in number of private vehicle is becoming a severe problem in many cities across the world and therefore it is need hour to shift manual mode systems or fixed timer mode systems to an automated system.

Application – Traffic signals and crowd management

FINAL PROJECT IMAGE

EXTC BEST PROJECT 2018-2019

DENSITY BASED TRAFFIC CONTROL SYSTEM USING GOOGLE API

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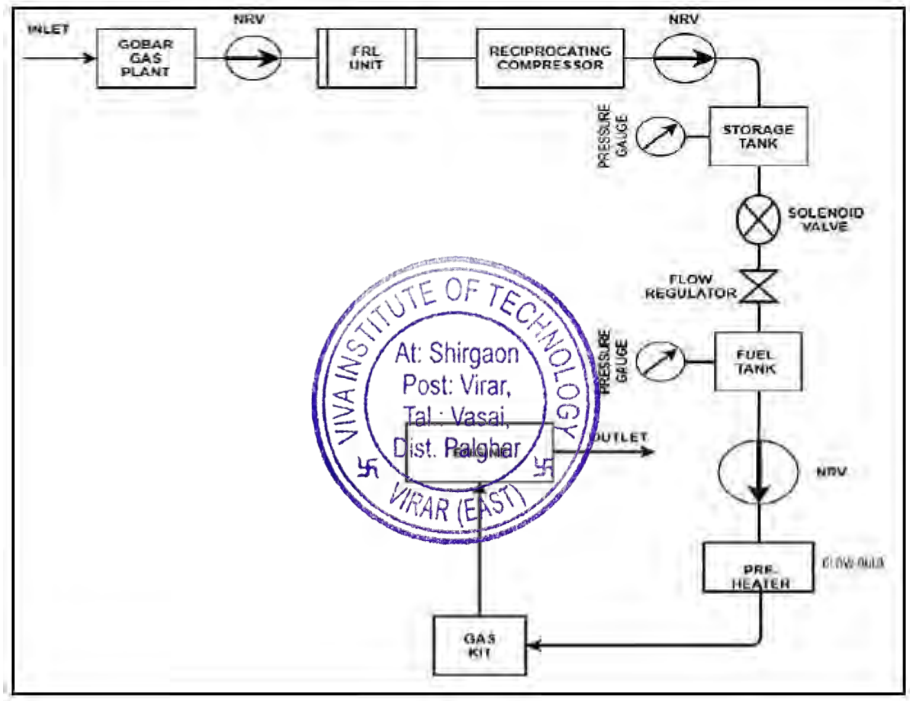
PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2018-19

Product Developed - Design and Modification of 4-Stroke bike using gobar gas

Name of Students - 1. Chandan Phutane 2. Neel Rana 3. Snehal Vhatkar
Name of Guide – Mr. Rajkumar Devkar

Scope of work - As we probably are aware, there is a steady increment in utilization of non-inexhaustible fuel (diesel and oil). Henceforth, these wellsprings of vitality can be demolished in future. Additionally high outflow of hurtful gases from the fumes worstly affects condition which prompts an earth-wide temperature boost. Furthermore, everybody knows about the persistent increment in expense of fuel. These issues can be unraveled by utilizing another fuel like Gobar Gas. This venture work is dependent on structuring and changing a Bike which is worked by a Four Stroke Engine. This bike is structured and adjusted to such a degree, to the point that it might keep running on Gobar Gas.

Specifications and working of product - A basic block diagram showing the flow of entire process which is used for the working of the project.



The Compressor used to compress the Gobar gas is a positive displacement-reciprocating compressor having an auto cut off facility of pressure 10 Kg/cm2. Tank is used to store the compressed Gobar gas and is made of carbon steel and is designated as 1.5 Kgs and 3 kgs. The Pressure Gauge is used to indicate the exact pressure and thus, exact amount of gas compressed in the storage tank. Using a proper welding system a bracket is mounted at the back side of the seat in order to hold the Gobar gas tank and also maintain the center of gravity. The bike will keep running on the substitute fuel gobar gas. Subsequently, setting aside extra cash over fuel and furthermore keeping contamination free. It is found that the average amount of distance travelled per kilogram of gobar gas is much higher than petrol.

Developed product –

Types of fittings and instruments used

Mechanical Best Project 2018-19 : Design and Modification of 4-Stroke bike using gobar gas

Application – Local transporting.

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Department of Civil Engineering

PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2017-18
PRODUCT DEVELOPED - Eco and Smart Bricks
Name of students : Sharma Ravikumar; Shahu shubham ; Sargar Ganesh ; Upadhyay Abhishek
Name of Guide : Prof Arathy Menon

Scope of work :In this project work an attempt has been made to manufacture the bricks by using waste plastics in range of 60 to 80% by weight of crush sand and 60/70 grade bitumen will be added in range of 2 to 5% by weight of soil in molten form and this bitumen- plastic resin was mixed with crushed sand to manufacture the bricks. The bricks manufactured will possess the properties such as neat and even finishing, with negligible water absorption and satisfactory compressive strength in comparison with clay brick to satisfy the increasing demand of conventional building materials. An attempt is made and we have tested an experimental programme to study the strength and other engineering properties like durability, energy absorption capacity, water absorption and ductility of plastic building bricks.

Keywords : Poly Ethylene Terephalate, HDPE, LDPE, Bitumen,Plastic-Sand Bricks,Eco AndSmart Bricks, Affordable Housing, Compressive Stength.

Conclusion of work :Building construction materials are expensive which cannot be affordable by the lower backward class people. Recently plastic is considered as engineering material which were used in this project. Growth of plastic is increasing day by day and it became hectic to ecology which increases the growth of rats and flies which creates germs and pathogen. Large amount of plastic can be reduced if used in construction works. This will leads to reduction of plastic waste in landfills ultimately reducing the environmental pollution. Mixing the waste plastic in proportion of 60 to 80% by weigth of crush sand, 60/80 grade bitumen in range of 2 to 5%by weight of sand and 40 to 50% of crushed sand.the required melt is obtained from the various literature review we had understood the use of plastic waste in different way. Plastic waste used in road construction proves that plastic can be a good binding materials.

Crushed Sand of 2.36mm

Eco-Smart Brick

PRODUCT DEVELOPMENT

ACADEMIC YEAR – 2017-2018

A hybrid Concept of Keyless Algorithm and Compression Scheme forEncrypted Stego-Image

Name of Students – 1. Priyanka Shinde, 2. Sonali Gaikar, 3. Shruti Pawar

Name of Guide – Prof. Tatwadarshi P. N.

Scope of Work –

The scope of the project is to limit unauthorized access and provide security during message transmission. To meet the requirements, proposed system uses optimal keyless algorithm along with LZW compression and Image Steganography. In proposed system keyless algorithm for security has been implemented which provides security at both character level as well as bit level.

In this the block size has been increased to 256 bits. Also instead of ASCII to binary conversion ASCII to BCD conversion is done here. The proposed system requires less time to encrypt and decrypt the data. Also memory is not needed to generate and manage the key.

Application –

While using stegnography technique to transfer information, implemented software provides better quality stegno image with high data hiding capability

Developed Product –

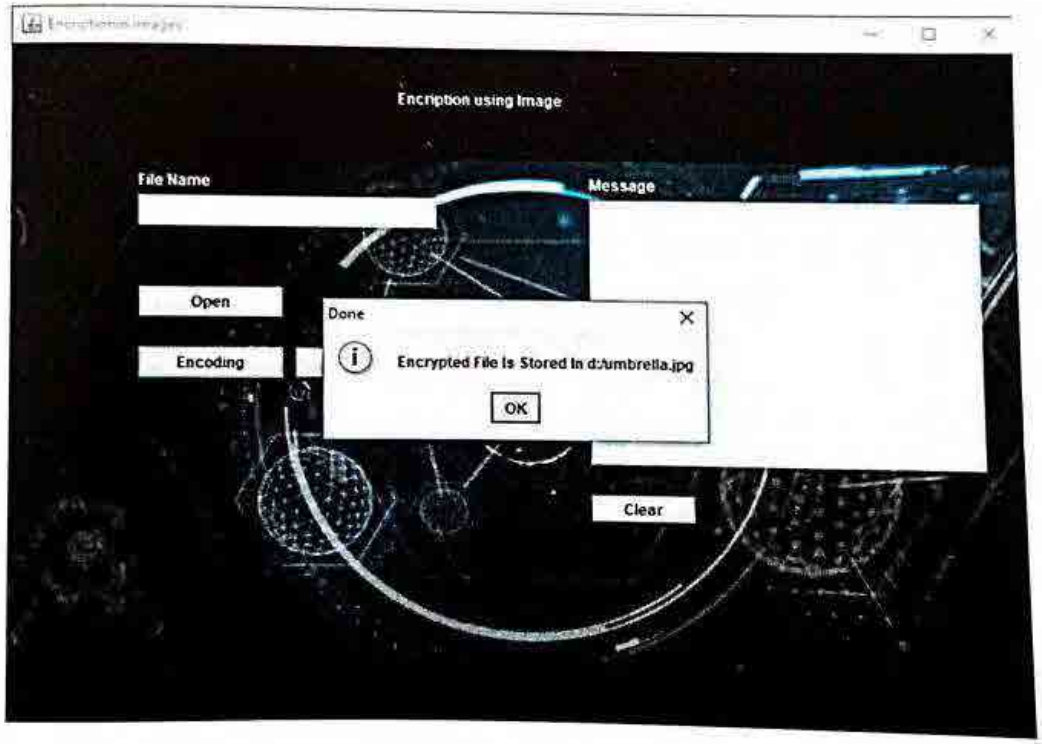

Figure 5.3: Encryption Process

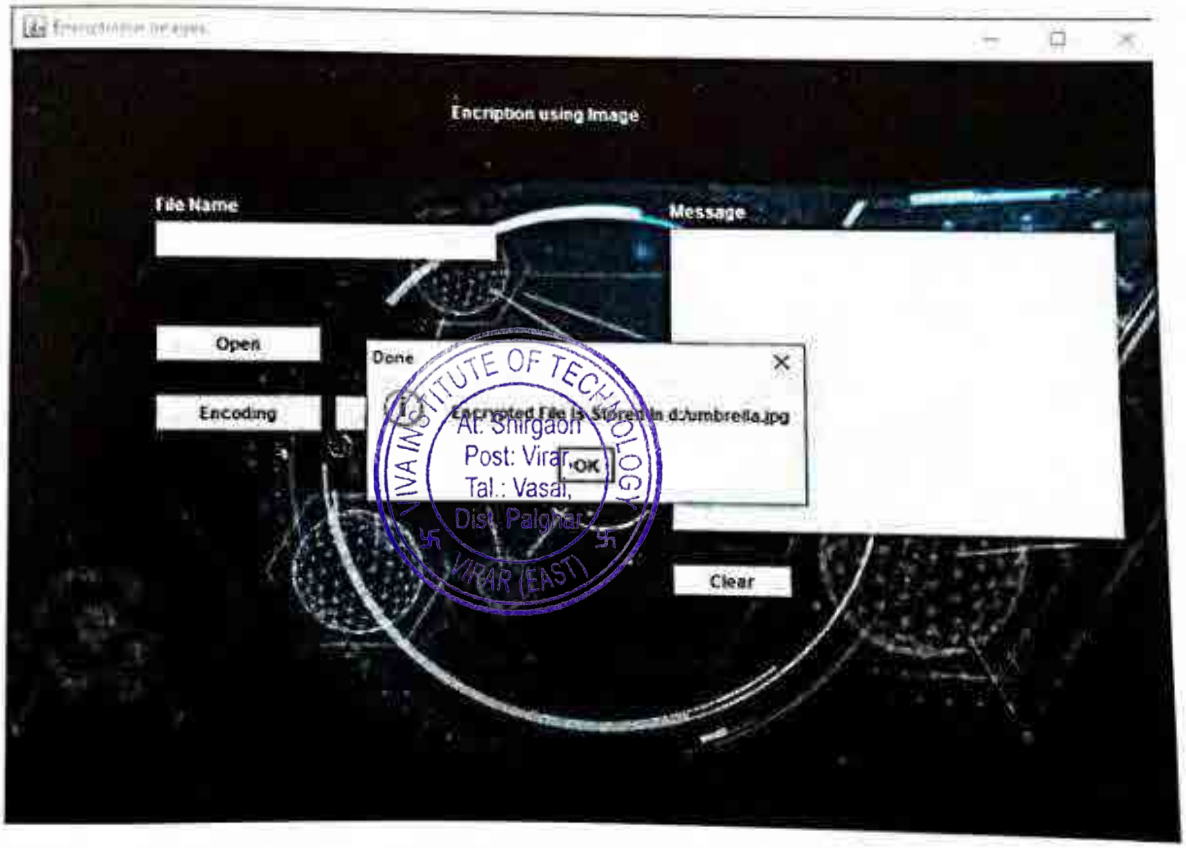

Figure 5.3: Encryption Process

PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2017-18

Product Developed - Electrical Tricycle by using Renewable Energy Source.

Name of Students - 1. Neha Mhatre, 2. Pushpanjali Mishra, 3. Heena Lodha
Name of Guide - Mr. Bhushan Save.

Scope of work - The project is developed to design an electric tricycle for handicapped persons. The electric tricycle drives on renewable energy sources. Solar plays an important role in our daily life. We have to develop solar tricycles for handicapped people because manually driving tricycles requires a large amount of human power to drive. This project it is discussed how human work is reduced by using a renewable energy source. The comfort of the person is an important point in the tricycle and we have given importance to it. Firstly we have analyzed the problems of handicapped persons and then with proper considerations, we are designing the electric tricycle. The main component of the tricycle is a Solar panel, a Brushless DC motor, a Charge controller, and a battery.

Specifications and working of product - the tri-cycle is widely used for handicapped persons. The tricycle is a three-wheel model which operates by hand power. Varieties of tricycles are categorized as paddle tricycles, motorized tricycles, and electric tricycles. A paddle tricycle needs a lot of energy to paddle the tricycle. The user will be tired after using the tricycle. Motorize tricycle uses fuel as a prime mover which is very costly. On the other hand, motorize tricycle causes pollution which is harmful to the environment and hence global warming causes to earth. An electric tricycle that works on a battery can be used for a minimum hour. Either a power supply is required to charge the battery or we need to cudgel the tricycle. Hence we are using solar-powered electric tricycles to charge the battery. Solar panels convert solar energy into electrical energy which is applied to the battery through a charge controller. To convert solar energy to electrical energy by using photovoltaic cells, then converting this electrical energy to mechanical energy by using a DC motor to run the tricycle instead of conventional human paddling.

Developed product -

Electrical Department Best Project 2017-18, Electric Tricycle

Application - The electric tricycle for handicapped people.

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VIRAR (EAST)

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

Department of Electronics and Telecommunication Engineering

PRODUCT DEVELOPMENT
ACADEMIC YEAR – 2017-18
Product Developed - DELTA BOT USING SMOOTHIE BOARD

Name of Students - ANIKET KUMBHAR (30)

DIPESH JADHAV (22)

PRACHI BIDAYE (05)

NIKHIL PATIL(44)

Name of Guide – PROF ARCHANA INGLE

Scope of work - A Delta-Bot is a 3D data acquisition tool which allow us to build accurate structure & objects of 3D models. The real-world objects are build using Delta robot mechanism.Here
Smoothie board is the controlling unit of our project.The materials used in these domestic printers can range from plastics and metals. The uses for these printers are potentially endless. This project aims to explore the assembly and commissioning of a 3D printer, that of the Delta robotic design, it's working technologies, and the possibility of taking the concept further.This would aim to identify the components and technology required for building a replicator printer. It would involve the integration of mechanics and electronics and software, and help towards further development of one's knowledge of technology, in automation, robotics, and software development.

In the past few years 3D printing technology has been revolutionizing the way we produce entire physical objects and parts. Large numbers of items are produced by using 3D printing technology, and it continues to get more ambitious. In the recent times anything can be 3D printed from simple toys to clothing to tools. We can also use the technology to produce musical instruments and even human body parts. And it has endless potential.This technology became popular back in the late 1980s. Its initial popularity was among industries. It was in their favorite list because it provided rapid prototyping and also low cost in prototype building. It was effective fast and also gave good performance.

Specifications and working of product - 3D printing is one of the most important technological advancement in additive manufacturing
which has been implemented and recognized as a part of modern industry as it has many advantages over conventional approach of which one of the most important factor which is time.
Generally in Fused Deposition Modeling the component is manufactured using the concept of rapid prototyping and layer by layer deposition of the material which is done by sending the data into the software of the machine using a (.STL) file format made by using modeling

software (CAD). In today's world of mechanical engineering the applications of 3D printing are very useful for research and development of various components ranging from simple structures used in everyday life to complicated components in aerospace applications. 3D printing provides many advantages few are simplicity, reliability and precision etc. This makes it one of the most widely used for making components which can be used as concept components. 3D printing is the most widely used additive manufacturing processes in the current industry not only limited to engineering.

Application - To move heavy objects, the 3D printer, the painting, the surface inspection such as the contact lenses quality detection, the surface processing and the laser cutting

FINAL PROJECT IMAGE

EXTC BEST PROJECT 2017-2018

DELTA BOT USING SMOOTHIE BOARD

PRODUCT DEVELOPMENT
ACADEMIC YEAR - 2017-18

Product Developed - Wind Tunnel Testing Rig

Name of Students - 1. Pranit Bangera 2. Akshay Baswa 3. Siddhesh Baviskar
Name of Guide – Mr. Swapnil Raut

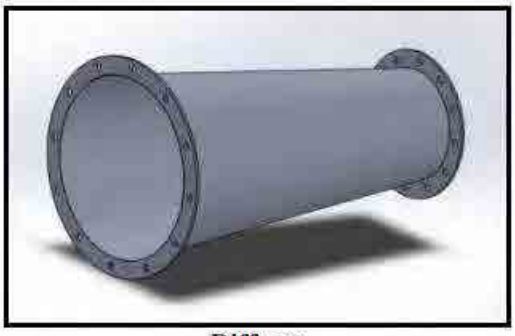
Scope of work - A wind tunnel is a tool used in aerodynamic research to study the effects of air moving past solid objects. Even though it predicts accurate results and flow parameter it comes with the disadvantage of high cost, large space utilization, noise problem. Hence the productivity and use of wind tunnel are limited. The existing wind tunnel model is much complicated to compute and to obtain necessary results. Also, this wind tunnel is not portable and generally manufactured for the large industrial testing purpose. Power required to test a small aerodynamic model is large in such wind tunnel. Hence, to test any small-scale graduate level project become unaffordable due to the cost of testing. This project describes the design and analysis of the open circuit, small size, economical wind tunnel used for testing of the Aerodynamic model.

Specifications and working of product - At beginning CAD model is prepared according to the calculation and considering manufacturing aspect by using the CAD software known as "Solid works 2016". After calculating theoretical stresses and performing structural analysis for different material on different part material selection was done. The material for contraction cone, diffuser and mounting stand was Mild steel due to its cost effectiveness and weld ability. Material for test section was confirmed to be acrylic due to its refractive property. For actual experimentation many aero foils were selected like NACA 4412, Selig 1223 and results had been verified by experimentation, graphs were plotted by using the software name known as "XFLR 5". The following conclusions were derived from the results after model testing for the project.

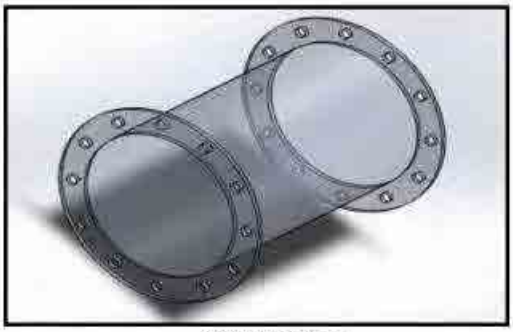
a. The velocity profile will be depicted by the graphs which will be plotted. The profile will show that the fluid i.e. smoke flowing inside the tunnel has high turbulence.
b. Lift and drag coefficients for the test section can be calculated for the aero foil.
c. This model is suitable for an aero foil of weight less than 0.15 kg. And the study can be done using different aero foils with variant weights, materials and designs.
d. By looking at the way the smaller model acts in the wind tunnel, we get an idea of how a real life sized airplane of the same design will probably fly.
e. Aerodynamics of any high speed car or airplane can be studied using this model.
f. Velocity profile can be studied for the design of cars and air planes using this model.
g. The testing of the aero foil, propeller blades and turbine blades can be done through this apparatus.

h. Load cell apparatus was successfully coded and executed according to the requirement of the Wind tunnel testing rig for measurement of Lift, Drag and Weight

Developed product –



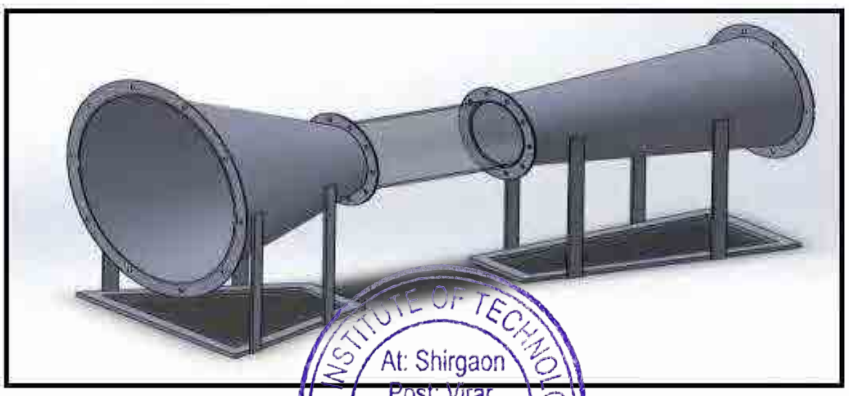
Diffuser



Test Section

Contraction cone

Axial Fan



Wind Tunnel Assembly

Application – Testing of the Aerodynamic models

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

INDEX

3. PROJECT EXHIBITITON / COMPETITION

PROJECT EXHIBITION/PROJECT COMPETITION

ACADEMIC YEAR - 2021-22

Department of Civil Engineering, VIVA Institute of technology conducted Project Exhibition/Project Competition on 31/03/2022.

Total 34 groups participated in the exhibition from across various institutes. The display of projects was arranged at 5 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.

PROJECT EXHIBITION PHOTO 2021-22

Lab –

co ordinator Saurabh M. Pednekar

sr no	batch no	name of student	name of student	name of student	name of student	college	mobile	
(1)	21	AJAY JADHAV SITARAM	REHUM ADNAN	CHOUDHARY PANKAJ	–	DR D	7045110369	
1	20	Kaustubh bhoir	Siddhesh More	deviprasad mishra	Himanshu khandelwal	Viva	9833263458	
2	19	Hrithik Khaptar	Prajyot Prasker	Prasad Kulkarni	Darshana dodekar	Viva	8108246162	
3	18	Prashant jargam	Priyanka Mahajan	Monika kamble	Prachi Mhatre	Viva	8108989593	
4	17	Mohammed Sadriwala	Saptrshi Saurabh	Chinmay Patil	Tanmay Pimple	Viva	9702309106	
5	16	Sameer Kamble	Manisha Gaikwad	Aniket Kalgutkar	Sudheer Karpe	Viva	7506807035	
6	13	Rishabh Kr Sharma	Athilasha Yadav	Sana Shaikh	Rahmat Shaik	Viva	7977352263	
7	12	Raju Matera	Pavan Jadhav	Harshi Madha	–	Viva	9322577381	
8	11	Advait Gawde	Arjun Ambavkar	Nilesh Jadhav	Soham lad	Viva	8369137010	

lab G · E

co ordinator Yash Wavage

sr no	batch no	name of student	name of student	name of student	name of student	college	mobile
	✓ 1	Vaishnavi Shinde	Divyata Thakare	Saurabh Rednekar	Yash Wavage	Viva Degree	9867615223
	✓ 2	Dhir Patel	Adarsh Parekar	Karan Rathod	Shreyas Waghmare	Viva Degree	8879951226
	✓ 3	Thakur Ashish	Nannaware Hrugesh	Shinde Rushikesh	Suryavanshi Sudarshan	Viva College	9167993533
	4						
	✓ 5	Neha Salvi	Omkar Sutar	Anshul Raluwalkar	Rich Singh	Viva College	8369049950
	✓ 6	SHUBHAM S. MADAV	YASHS GAWAI	OMKAR HUMANE	HARSHAL KADAM	VIVA COLLEGE	9136892181
	✓ 7	Pooja Pagar	Brajali Jashi	-	-	Bhavin Patil Viva College	9930579467
*	8	vinay pawar	Rahul Yadav	Yogesh Thakare	satyam shukla	Viva College	9819617744
	✓ 9	Piya Ghorai	Prathamesh Gondhalekar			Vidyavardhini College of Engg & Tech	7715835708

lab EE

co ordinator Rutvika Rathod.

sr no	batch no	name of student	name of student	name of student	name of student	college	mobile
01	29	Yash B. Srivastava	Akshay Thakur	Dishank Pai	-	VIT	8806658683
02	32	Vedant D. Sawant	Tanush G. Parab	Jay Pagar	Bhavesh Mahadik	PRP	8928436618
03	34	Kaustubh Joshi	Tanveer Bhati	Omkar Burpalle	Karthmesh Gaikwad	PRP	6376703390
04	30	Saurav Prathamesh	Rushikesh Patil	Swapnil Sejal	Gitendra Pawar	VIT	7773917832
05	37	Hrutik pachalkar	Akshata Dhamma	Tanmayi Hirmade	Vedant Patil	PRP	7499139808

VIVA INSTITUTE OF TECHNOLOGY
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PROJECT COMPETITION IMPERIA

Event Details:

- **Event Date:** 31st March, 2022
- **Participants:** SE/TE/BE
- **Event Mode:** Offline
- **Time:** 9:00 am onwards
- **Program Coordinators:** Prof. Umesh Mohite, 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 2022 IMPERIA project competition.
- Total 19 groups have participated in the event.
- Each project had 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 were given a 25-minute time block for its live presentation. The time was precisely divided as outlined below.

  Presentation Time-Block

  - 3 minutes (set-up period)
  - 17 minutes (live presentation)
  - 5 minutes (question & answer session)

Judging and Announcement of Awards:

- Student projects were 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 that day. Cash Prize will be awarded to the First Three winners:
  - 1st Place: ₹1200
  - 2nd Place: ₹800
  - 3rd Place: ₹500
  - E-certificates to all winners and registered participants.

Winners:

Group ID	Name of Member 1	Name of Member 2	Name of Member 3	Name of Member 4	Section	Project Title
1	AMARJIT VISHWAKARMA	TANMAY SAWANT	SANTOSH PAL	SAHIL DHAMAPURKAR	S.E	System of suraksha (SOS)
2	Yogesh Yadav	Qhubaib Shaikh	Siddesh Vishwakarma	Tanmay Vedpathak	T.E.	Custom E-commerce website
3	Saumyaranjan Parida	Shruti Mane	Govind Harayan	Avdhoot Parab	T.E.	Discusser - web application

PROJECT EXHIBITION 2021-22

PROJECT EXHIBITION/PROJECT COMPETITION

ACADEMIC YEAR - 2021-22

Department of Electrical Engineering, VIVA Institute of technology conducted Project Exhibition/Project Competition on 31/03/2022.

Total 40 groups participated in the exhibition from across various institutes. The display of projects was arranged at 4 different venues. AC machine lab, DC machine Lab, PE lab, Measurement lab – 1st floor.

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

PROJECT EXHIBITION 2021-22

Winners of project exhibition.

Sr no	Name of Group Members	Project Tile	Name of the Institute	Ranking
1	Sreetish Mundayat Amaan Saiyed Raj Shinde	REMOTELY OPERATED VEHICLE FOR UNDERWATER INSPECTION	VIVA INSTITUTE OF TECHNOLOGY	1st
2	Amit name Jaykumar lakhani	Multilevel inverter	Theem college of engineering	2nd
3	Shubh Arekar Gaurav Dalvi	GSM Based Home Automation	VIVA INSTITUTE OF TECHNOLOGY	3rd

Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

Shirgaon, Virar (E), Taluka-Vasai, District-Palghar 401305, Maharashtra
Telephone: 07770002544 website- www.viva-technology.org
Department of Electrical Engineering

ATTENDANCE SHEET OF TECHNOVATION-2022, MAJOR PROJECT — **DATE :- 31/03/2022**

SR. No.	project group no.	Name of the students	Title of the Project	signature of the students
14	ELE14	Gupta Rajendra Bashishi Manju Upadhyay Vinay Umesh Kumar Rukmani Solim Hitesh Ramchandra Kiran	Design And Comparison Of Controllers For Speed Control Of Bldc Motor	
15	ELE15	Pimple Tanay Narendra Namita Sankhe Yugan Balaram Vrushali Thakare Bhavesh Shrikant Swati	Dynamic wireless charging of electric vehicles	
16	ELE16	Gharat Hitesh Dinesh Dipa Patil Omkar Vijay Suvarna Tambe Amay Ashok Ashwini	Remote Control Hovercraft	
17	ELE17	/ Patil Payal Sunil Smita / Khadaye Bhakti Sadashiv Shubhangi Tank Parth Bavchandbhai Daya Ben	Covid 19 Disinfection Sanitization Robot	
18	ELE18	/ Bhoir Amisha Dnyaneshwar Sangita Lase Nitesh Bhikaji Nutan Kale Pradeep Prakash Sunita	Soil pH level for agricultural land	
19	ELE19	Mardolkar Sachin Dinkar Vaishali Panchal Jatin Vinodkumar Hansa Sase Parag Rajesh Rupali	Vortex bladeless wind turbine	
20	ELE20	Pawar Rahul Rajendra Neeta Murudkar Aniket Sanjay Sejal Amin Gautam Mohan Geetha	Smart Glove For Deaf And Dumb Patients	
21	ELE21	Vishwakarma Prince Rajendra Anita Devi Sawant Pratik Ravindra Shaila Kolekar Kushal Vilas Ranjana	Differential protection of transformer using Arduino	AB
22	ELE22	Pawar Niraj Maruti Madhvi Bhusara Jitesh Anil Hira Ojha Vishal Shasikant Meena	Dynamic Load Management in Smart Home	
23	ELE23	Padye Akshay Arjun Asmita Jaiswal Amitkumar Navalkishore Pushpa Loke Kamlesh Ganpat Geetanjali	EV charging station for Ebike	AB AB AB
24	ELE24	Paradhi Sharad Ganesh Sunita Bhandari Pradip Prakash Ranjana Shanvar Chintu Dhakatya Parvati	Solar powered mobile operated smart agriculture robot	
25	ELE25	Yadav Pankaj Sunilchandra Shushiladevi Pacharekar Ashishkuma Ashok Sakshi Vekhande Prathmesh Prakash Pramila Jadhav Hitesh Madhukar Madhuri	Application based Solar Calculator with cost estimation	AB AB AB AB
26	ELE26	Chouhan Sangita Prem Narayan Maya Gupta Avinashkumar Sewalal Taradevi Pawar Falguni Ramchandra Nanda Poojari Sneha Devraj Bharathi	Agro land mapping Vertical of Geospatial Data Centre.	

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal: Vasai, Dist: Palghar VIRAR (EAST)

i) Mukesh Mishra
ii) Anojkumar
iii) Pratik Pawar

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Telephone: 07770002544 website- www.viva-technology.org
Department of Electrical Engineering

ATTENDANCE SHEET OF TECHNOVATION-2022 , MINI-PROJECT . DATE :- 31/03/2022

SR. No.	Project Group no.	Name of the students	Title of the Project	signature of the students
1	TEMP01	Adwait Malshe Prathamesh kubal Amitkumar Subhashchandra Vishwakarma	Dc Dc Boost Converter	
2	TEMP02	Rohan Gawai Jigar Patel	Solar Tracking	
3	TEMP03	Shubh Arekar Akash Holmukhe Gaurav Dalvi	GSM Based Home Automation	
4	TEMP04	Kap Anuj Ramakant Sonar Lalit Prakash Kambale Shubham Lalasaheb	Portable Power Source	
5	TEMP05	Bhavin martand patil Bhavin patil Mukesh Bala	Anti Snatching Bag Alarm	
6	TEMP06	Prerana Pramod Ramteke ~~Prerana Pramod Ramteke~~ Komal Patil Rinkal Kondu Patil khushali Lodhava	Automatic street light using Ldr	
7	TEMP07	Hrithik Suhas More Pranay jangam ~~Asmita parbhe~~ Mitali Pashte	Cnc machine	
8	TEMP08	Katkar Yashodeep Shrikant Patil Pratik Vijay Thakare Prasad Sudhir & Saurabh Bait	Automatic Hand Sanitizer with Temperature sensor	
9	TEMP09	Rahul singh Pratik singh Tushar suryvanshi	Energy consumption and alert system	
10	TEMP10	ROHAN GOPINATH SHINDE MAHESH UTTAM GUJARE SEJAL SUBHASH PHASTE	Wave Energy Generation	
11	TEMP11			
12	TEMP12			
13	TEMP13			
14				
15				

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

Page 1

Name→ Mukesh Mishra
Anojkumar
Pratik Pawar

Vishnu Waman Thakur Charitable Trust's

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Department of Electrical Engineering

ATTENDANCE SHEET OF TECHNOVATION-2022 , Major Project DATE :- 31/03/2022

NAME OF THE ORGANISATION :- St. Francis Institute of technology

SR. No.	project group no.	Name of the students	Title of the Project	signature of the students
1	OTC01	Chaitanya More Shailesh Prakash Mhaskar Hiten Koli Stayen Sane	Wireless charging of Electrical Vehicle	

Name of organisation :-Theem college of engineering

2	OTC02	Amit name Jaykumar lakhani	Multilevel inverter	
3	OTC03	Priyesh P Singh	four quadrant speed control dc Motor with MC.	AB AB

ATTENDANCE SHEET OF TECHNOVATION-2022 , Mini- Project

NAME OF THE ORGANISATION :- St. Francis Institute of technology

1	OTC04	Aman Pawan Sonali	Clap operated switch for home automation	

Saifali

1) Name -> Mukesh Mishra
2) Anojkumar
3) Ratik Parsewar

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CONVERGENCE 2022

PROJECT EXHIBITION/PROJECT COMPETITION

ACADEMIC YEAR – 2021-22

Department of EXTC Engineering, VIVA Institute of technology conducted

Project Exhibition/Project Competition on 31/03/2022.

Total 64 groups participated in 3 different categories from across various institutes. The display of projects was arranged network and communication, project lab, antenna and microwave lab, classrooms.

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

PROJECT EXHIBITION 2021-22

OSCILLATION – 2022

February – April 2022

Registration Form

Name of college (ISF)	VIVA Institute of Technology
Name of ISF co-ordinator Contact number e-mail	Mrs. Meena Nitesh Perla 9028989009 meenavallakati@viva-technology.org
Name of President, ISF Contact number e-mail	Harshad Sawant 8291762853
Name of Convener, Contact number e-mail	Mrs. Archana Ingle 9823413170 archanaingle@viva-technology.org
Event proposal (attach separate sheet if required)	**CONVERGENCE 2022** Project Cum Poster Competition Electronics and Telecommunication Engineering Department, Viva Institute of Technology, Virar(E), proudly presents CONVERGENCE under OSCILLATIONS 2022 where students will get a chance to showcase their engineering projects and win exciting prizes with **NO Entry Fee**. Convergence 2022 will give a platform for engineers of coming years to present their creative and innovative engineering solutions and will get an opportunity to interact with fellow innovators to exchange ideas. All Electrical, Computer, Electronics & EXTC engineering, Diploma students are welcome to participate in this exciting competition and win exciting prizes apart from having fun! **Registration is Compulsory**
Interested in hosting Inaugural Function Concluding Function	 **YES / NO** **YES / NO**

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

(sign) **ISF coordinator**	(sign) **Convener, Oscillation 2022**

To,
Dr. Suvarna Bhise
Hon Secretary, IETE Mumbai Centre

Competition under Oscillations 2022

rla <meenavallakati@viva-technology.org>
n@iete.org
a Perla <meenavallakati@viva-technology.org>, archanaingle@viva-technology.org

Tue, Mar 29, 2022 at 10:

r / Madam,

ngs!

ERGENCE 2022
t Cum Poster Competition

TRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT, VIVA INSTITUTE OF NOLOGY, VIRAR(E), proudly presents CONVERGENCE under Oscillations 2022 on **31st March 2022** where its will get a chance to showcase their engineering projects and win exciting prizes with **NO Entry Fee.**

ergence 2022 will give a platform for engineers of coming years to present their creative and innovative eering solutions and will get an opportunity to interact with fellow innovators to exchange ideas. All Electrical, uter, Electronics & EXTC engineering along with Diploma students are welcome to participate in this exciting etition and win exciting prizes apart from having fun!

S & REGULATIONS

ect (only for BE) and Mini project (for FE, SE, TE & DIPLOMA) competition:-

1. Online registration is compulsory.
2. Maximum 4 students are allowed per group.
3. Students must arrange all equipment, including extension cords.
4. Judges decision will be final.
5. Students must set up their project, remain with it throughout their judging period, and remove it at the end of the day. The Committee will not be responsible for anything that is left.
6. Students are solely responsible for the security and safety of their equipment.
7. Standard laboratory safety rules must be observed.
8. Participants must abide by all rules and other judgments set for by the Committee. Failure to do so may result in the participant's disqualification.
9. Selected teams should bring their valid ID card.

ster Presentation:-

1. Online registration is compulsory.
2. Maximum 4 students are allowed per group.
3. Judges decision will be final.
4. Poster can be hand-made or printed. All mediums can be used (markers, crayons, pastels, paint, print etc.)
5. There is no limitation on how many colours can be used on the poster.
6. Original photography, magazine clippings, symbols, buttons, glitters may be utilized on the poster.
7. Poster Text: There are no specifications for text font size. Text should be of sufficient size for easy reading at distance.
8. Selected teams should bring their valid ID card.

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon, Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

ONTACT PERSON

ihir Solanki: 7620470632

yanna Mukharjee: 7715905356

REG... TION...

AY: 2021-2022

B.E

Oscillations 2022

Vishav Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (East), Dist. Palghar-401305, Maharashtra

Website: www.viva-technology.org

Department of Electronics and Telecommunication Engineering

J

CONVERGENCE-2022

31st March 2022

73 project comp

Project cum Poster Competition

Name of Student	Sign
✓Janvi B. Aswani	
✓Aman Maurya	
✓Diptkumar Gupta	
✓SHUBHAM RAJENDRA KENI	
✓MIHIR PRAKASH RABADE	
✓SANJIT ROBIN VAZ	
✓PATEL JANVI ASHWIN	
✓RAVAL MEET NILESH	
✓JOSHI SAUMYA BHAVESH	
✓HARSHAD VIJAY SAWANT	
✓HRUTIKESH PRADEEP SAWANT	
✓HARSHIKESH SUNIL NIKAM	
✓Shaloka Raviraj Tambe	
✓Psila Babanath Tiwari	
✓SIDDHESH SITARAM TAMBE	

Sr. no.	Name of Student	Sign
6.	✓Rajendra Manthan Mohile	
	✓Aishwarya Kumar patil	
	✓Tanvi Pawar	
7.	✓Aashish Gupta	
	✓Rishikesh Jha	
	✓Dhaval Khandagale	
	✓Sahil More	
8.	✓Vinayak Garadi	
	✓Mitali Jadhav	
	✓Divya Kotian	
9.	✓Ravindra Meghashyam Gawade	
	✓Kanu Vijay Gupteshwar	
	✓Pallavi Vilas Rumde	

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VIVA Institute of Technology

Shirgaon, Virar (East) Dist. Palghar-401305, Maharashtra

Website: www.viva-technology.org

Department of Electronics and Telecommunication Engineering

CONVERGENCE-2022

31st March 2022

Project cum Poster Competition

Name of Student	Sign
RAJ MARUTI BHOIR	
HITESH SURESH DINGORE	
ADITYA SANJAY JADHAV	
HRUTIK ANIL GHARAT	
NITESH MISHRA	
ROHIT KHANDAGALE	
VIVEK MISHRA	
MEET KAWALI	
Hemant Shivaji Chaudhari	
GANESH WAGHE	
MIHIR MISTRY	
AMAN TRIPATHI	
TAHIR SHAIKH	
Saundarya Namal	
Trupti Khadye	
Kriti Yadav	

Sr no	Name of Student	Sign
15.	PATIL AKSHATA PRAKASH	
	PATIL SHRADDHA ASHOK	
	SHAH KHUSHI DHARMENDRA	
16.	Harshal Bhoir	
	Hardik Raul	
	Rohini Hodge	
17.	Amit Bhilave	
	Narayan Gawade	
	Trupti Patil	
	Payal Pujari	
18.	HEMANT GURAV	
	SUGASH KHILARE	
19.	[illegible] Naidu	
	Prerana Padave	
	BOMBLE AAKANKSHA	

CONVERGENCE-2022

Project cum Poster Competition

Name of Student	Sign
Pravin Jadhavam chaudhary	
Kesarkar Mokshada	
Jadhav Tejashree	
Govind Ramdeo Naik	
Pooja Awadhkishor Prasad	
Eddidi Kamlesh Verma	
Madhav Tikam	
Riddhi Kadam	
Akash Tripathi	
Thota Reethik	
Pandya Sanjay Kamble	
Anushka Manoj Save	
Mane Tulshiram Patil	

Sr. no.	Name of Student	Sign
24	Sanket Shemankar	
	Vikas Raut	
	Nilesh Mishra	

B.E. & T.E Oscillation 2022

Vishwa Warrior Thakur Charitable Trust's

VIVA Institute of Technology

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Website: www.viva-technology.org

Department of Electronics and Telecommunication Engineering

CONVERGENCE-2022

42 Mini Project

Project cum Poster Competition

Name of Student	Sign
Aniket Yadav	
Harsh Purohit	
Abdulkadir Sadikwala	
Ajay Maurya	
Neetali Rawal	
Namita Shahis	
Ruchi Kini	
Omkar Choudhari	
Akshay Palkar	
Dhrumil Chauhan	
RIYA GAWAD	
MANASWI GORE	
KRUTIKA PENWAR	
NITESH CHANDURKAR	

Sr no.	Name of Student	Sign
M.P. 5.	JATIN TIWARI	
	ZHIL VORA	
	AMIT VISHWAKARMA	
	MIHIR SOLANKI	
M.P. 6.	Vishvesh Khanvilkar	
	Abhishek Khandekar	
	Aman Kutrekar	
	Ankita Kubal	
4	Rushabh Khandagale	
M.P. & P.	Shubham Patil	
	Rushabh Nikam	
	Anjaneee Rane	
2)		
3)	Manali M Kadam	
M.P. 1)	Sourav Samanta	
P. 2)	Jayanta Mukherjee	

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Department of Electronics and Telecommunication Engineering

CONVERGENCE-2022

Project cum Poster Competition

Name of Student	Sign	Sr. no.	Name of Student	Sign
Prashant Wadekar				
Sunny Pawar				
Ashish Thakur				
Bhavik Pavt				
Sachin Tiwari				
MEGHA DIPAK KINT				
ANJALI GUPTA				
POORTI RAMESH MAI				
SAURABH AGRE				
Amey Panchal				
Manik Patil				
Hrushikesh Sawhe				
Yash Vengurlekar				

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Website: www.vivatechnology.org

Department of Electronics and Telecommunication Engineering

CONVERGENCE-2022

Mini Project Competition Judging

Group No.	Name of Project	Idea (10)	Presentation (10)	Execution Construction and Testing (10)	Results (10)	Design methodology (10)	Total (50)
P1	Medusa (Virtual Assistant)						
P2	~~Robot (Hoou)~~ Rrevi	8	7	9	9	8	41
P3	Eye controlled wheelchair	7	7	8	8	8	38
P4	Flood Monitoring And Alerting System	8	8	8	8	8	40
P5	~~Flood Monitoring And Alerting System~~						
P5	Obstacle detection using ultrasonic sensor and Arduino	6	8	7	7	6	34
P6	~~[illegible]~~ Green house Monitoring System	7	8	8	7	7	37
7	Smart streetlight monitoring system using IoT	6	7	7	6	7	33
9	[illegible] Lock System	6	8	7	7	7	35
10	Automatic Rain Sensing Wiper	6	5	0	0	6	17
10	[illegible]lock Password Security System	6	6	7	6	6	31
11	Automatic plant watering system						
P 12							
P 13							
P 14							

Naveka R.

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Website: www.vivatechnology.org

Department of Electronics and Telecommunication Engineering

CONVERGENCE-2022

Mini Project Competition Judging

Group	Name of Project	Idea (10)	Presentation (10)	Execution: Construction and Testing (10)	Results (10)	Design methodology (10)	Total (50)
1	Medusa (Virtual Assistant)						
2	AI Robot (mobel) Rizvi	B 8	A 7	A 8	A 8	A 8	39
3	Eye controlled wheelchair	A 7	A 7	B 8	A 7	B 7	36
4	Flood Monitoring And Alerting System	7	9	8	7	7	38
5	~~Flood Monitoring And Alerting System~~						
6 (5)	Obstacle detection using ultrasonic sensor and Arduino	6	7	7	6	7	33
7 (6)	~~HERVESTIFY~~ Green house monitoring system	6	5	5	4	6	26
8 (7)	Smart streetlight monitoring system using IOT	6	5	5	5	6	27
9 (8)	Door Lock System	5	6	4	4	5	24
10	Automatic Rain Sensing Wiper	4	4	0	0	4	12
11 (10)	Doorlock Password Security System	5	5	4	4	5	23
12 (11)	Automatic plant watering system						
13							
14							
15							

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Madhura Rorrade

PROJECT EXHIBITION/PROJECT COMPETITION

ACADEMIC YEAR - 2021-22

Department of Mechanical Engineering, VIVA Institute of technology conducted Project Exhibition/Project Competition on 31/03/2022.

Total 34 groups participated in the exhibition from across various institutes. The display of projects was arranged at 5 different venues. HT/MT lab , MV Lab, TOM lab, RAC lab - 4 th floor and in the workshop - ground floor.

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.

Winners of project exhibition.

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VIVA INSTITUTE OF TECHNOLOGY

SHIRGAON, VIRAR (EAST)

DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2021-22

Project Exhibition_Winners

Group No.	Name of the Students	Email ID	Contact Detail	Name of the College	Project Title	Ranking
22	Rane Harsh Mahesh	19101230harsh@viva-technology.org	8369468865	VIVA Institute of Technology	Indoor Vertical Hydroponic Farming Unit	Winner
	Shah Tej Bhavesh	19101231tej@viva-technology.org	80820 59379			
	Shaikh Huzaifa Nasir	19101232huzaifa@viva-technology.org	84248 94824			
	Pawar Sail Suresh	19101205sail@viva-technology.org	72190 04497			
45	Nupoor Desai	tsoundalkar23@gmail.com	8976123015	Shri TP Bhatia college of scienc	Farmers Atm	Runner Up
	Dhanraj Shah	lloydsdias@yahoo.in	9503068477			
	Priyanshu Dubey	tiwariprem23@yahoo.co.in	9664124367			
	-	-	-			
6	Jadhav Nilesh Digambar	19105187nilesh@viva-technology.org	9930005815	VIVA Institute of Technology	Waste Heat Recovery From Air Compressor And It'S Utilization For Reducing Fuel Consumption Of Boiler	Third Prize
	Lokhande Harsh Ashok	19102212harsh@viva-technology.org	917575701			
	Chavan Nishant Ramesh	18101035nishant@viva-technology.org	7738878263			
	Bandgawhal Granthali Sagar	19101174granthali@viva-technology.org	9689384120			
3	Mahyavanshi Jayesh Rajesh	16102005jayesh@viva-technology.org	9172357740	VIVA Institute of Technology	Design And Manufacturing Of Flexible Hopper Feeder For Molding Machines	Consolation Prize
	Jujar Sushmita Krishna	16101058sushmita@viva-technology.org	9594115154			
	Dalvi Vaibhav Eknath	17101182vaibhav@viva-technology.org	9545505746			
	Loke Rohit Govind	17105043rohit@viva-technology.org	9867962332			
17	Hrishikesh Nimbalkar	18101085hrishikesh@viva-technology.org	9029071743	VIVA Institute of Technology	Design And Fabrication Of Plastic Brick Making Machine	Consolation Prize
	Jalpesh Solanki	19101152jalpesh@viva-technology.org	7021241507			
	Ashish Tandel	19105194ashish@viva-technology.org	7058839767			
	Abhishek Tiwari	19101169abhishek@viva-technology.org	9766016041			
11	Gawad Satyam Raghunath	16105068satyam@viva-technology.org	7350465463	VIVA Institute of Technology	The Agro Waste Crusher	Consolation Prize
	Kadam Kaustubh Shrikant	16102023kaustubh@viva-technology.org	8830832382			
	Hota Pritisuravi Prashant	18101066pritisuravi@viva-technology.org	8169559201			
	Jadhav Omkar Avinash	17101121omkar@viva-technology.org	9766166939			

Project Co-ordinator

Head of the Department
Mechanical Engineering

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

1st Prize : Indoor Vertical Hydroponic Farming Unit

2nd Prize : Farmers ATM (T.P. Bhatia college of science)

3rd Prize : Industrial project carried out at Lupin ltd.

Consolation Prize : The Agro Waste Crusher

PROJECT EXHIBITION PHOTO 2021-22

Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

SHIRGAON, VIRAR (EAST)

DEPARTMENT OF MECHANICAL ENGINEERING

Project Competition 2022

Venue 1: HT/ MT LAB (4th Floor)

Date: 31/03/2022

Group No.	Name of the students	Title of the Project	Signature
3	Mahyavanshi Jayesh Rajesh & Group	Design And Manufacturing Of Flexible Hopper Feeder For Molding Machines	
6	Jadhav Nilesh Digambar & Group	Waste Heat Recovery From Air Compressor And It'S Utilization For Reducing Fuel Consumption Of Boiler	
12	Khan Mohammed Kaif Abdul Mannan & Group	Design Of Heating Ventilation And Air Conditioning System For Healthcare Facility	
20	Thakur Arpit Nandkumar & Group	AI In Manufacturing	
21	Nimish Gharat & Group	Automatic Water Overflow Cut-Off Circuit	
30	Shinde Tanmay Sunil & Group	Manufacturing Ans Simulation Of Rc Cargo Plane	
33	Chetan Sanjay Manke & Group	Design And Simulation Of Rc Cargo Airplane	
34	Rathod Darshil Batuk & Group	Design And Fabrication Of Water Tank Cleaning Machine	

INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar

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VIVA INSTITUTE OF TECHNOLOGY

SHIRGAON, VIRAR (EAST)

DEPARTMENT OF MECHANICAL ENGINEERING

Project Competition 2022

Venue 2: MECHANICAL VIBRATION LAB (4th Floor) **Date: 31/03/2022**

Group No.	Name of the students	Title of the Project	Signature
4	Vichare Abhishek Vijay & Group	Design And Fabrication Of Ploughing, Sowing And Harvesting Machine For Agricultural Purposes	
5	Narkar Paras Ravindra & Group	Semi Automatic Floor Cleaner	
7	Sakharkar Saish Subhash & Group	Design, Analysis And Additive Manufacturing Of Print In Place Compliant Suspension System	
10	Sharma Raghav Anand & Group	Design And Analysis Of Two Stage Reduction Gear Box For Quadbike	
13	Ansari Afzalhusain Ramzanali & Group	Design And Development Of Automatic Cattle Feeder Set-Up	
19	Patil Krunal Vikendra & Group	Design Of Hvac System For Multispecialty Hospital	
27	Pawar Abhishek Sanjay & Group	Design And Fabrication Of Cash Sanitizing Machine	
31	Panchal Urmik Dinesh & Group	Solar Cleaner	AB
36	Ghatol Srushti Surendra & Group	Frontal Crash Analysis Of Different Vehicles	
43	Niranjan Chaulkar & Group	MR Fluid Asserted Shock Absorber	

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VIVA INSTITUTE OF TECHNOLOGY

SHIRGAON, VIRAR (EAST)

DEPARTMENT OF MECHANICAL ENGINEERING

Project Competition 2022

Venue 3: THEORY OF MACHINES LAB (4th Floor)

Date: 31/03/2022

Group No.	Name of the students	Title of the Project	Signature
2	Chaudhari Riddhesh Nitin & Group	Design & Fabrication Of Multipurpose Mini Forklift	
26	Sawantbhonsale Gaurav Subhash & Group	Semi-Automatic Baking Machine	
29	Kadam Rohan Pravin & Group	Smart Shopping System	
32	Chetan Bhagwan Sable & Group	Design And Fabrication Of Scavenger Sewage Machine	
44	Borate Bharat Dhanaji & Group	Design Of Lower Limb Prosthesis Using Fusion 360 Generative Design	AB

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SHIRGAON, VIRAR (EAST)

DEPARTMENT OF MECHANICAL ENGINEERING

Project Competition 2022

Venue 4: RAC/ THERMAL LAB (4th Floor) **Date: 31/03/2022**

Group No.	Name of the students	Title of the Project	Signature
1	Omkar Chikhale & Group	Automatic Vehicle Validation System	
9	Aatif Bilal Haju & Group	Design And Fabrication Of Equipment To Generate Electricity Through Flow Of Water.	
17	Hrishikesh Nimbalkar & Group	Design And Fabrication Of Plastic Brick Making Machine	
18	Sankhe Varun Rajendra & Group	Design And Fabrication Of Organic Waste Composter	
23	Rane Harsh Mahesh & Group	Indoor Vertical Hydroponic Farming Unit	
25	Sayyed Nawaz Nisar & Group	Automated Irrigation System	
28	Patil Rohit Hari & Group	Design And Fabrication Of Solar Operated Winnowing Machine For Grain Cleaning	
38	Jani Vidhi Prakash & Group	Optimum Design And Analysis Of Pressure Vessel In Ansys For Industrial Use	

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VIVA INSTITUTE OF TECHNOLOGY

SHIRGAON, VIRAR (EAST)

DEPARTMENT OF MECHANICAL ENGINEERING

Project Competition 2022

Venue 5: Welding Lab (Workshop)

Date: 31/03/2022

Group No.	Name of the students	Title of the Project	Signature
8	Khedekar Sahil Sunil & Group	Electric Power Tiller	
11	Gawad Satyam Raghunath & Group	The Agro Waste Crusher	
37	Adivarekar Vishal Atmaram & Group	Design And Development Of Frictionless Braking System With Magnetic Coupling	
41	Shirodkar Sarvadnya Kautuk & Group	Fabrication Of Manual Transmission E-Bike	
45	Nupoor Desai & Group	Farmers ATM	
14	Dorkar Devendra Ravi & Group	Automatic Road Cleaner	
24	Mangal Pandey & Group	Design And Fabrication Of Dolly Wheel For Automobile	

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar,

PROJECT EXHIBITION/PROJECT COMPETITION

ACADEMIC YEAR - 2018-19

Department of Civil Engineering, VIVA Institute of technology conducted Project Exhibition/Project Competition on 28/03/2019. Total 35 groups participated in the exhibition from across various institutes. 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.

First Prize of the Project Exhibition was won by Arnav Mishra and team under the guidance of Prof. Harshal Pathak from Pillai HOC college of Engineering and Technology. Their project was Performance evaluation of flooded mitigation Techniques and treatment for Mumbai Region.

VIVA INSTITUTE OF TECHNOLOGY
COMPUTER SOCIETY OF INDIA (Student Branch)

Report on Inter-Collegiate Project Competition Imperia 2.0

Date: 27th March 2020

Time: 09:15 am to 4:00 pm

Venue: Room No. 302 and 303, VIT

The CSI VIVA-tech successfully organized the Inter-Collegiate Project Competition Imperia 2.0 2019-20 at the Computer Engineering Department, VIVA Institute of Technology. The competition was organized by CSI VIVA-Tech and was attended by Computer Engineering students from our college as well as other colleges. The competition was conducted to encourage students to make interesting projects relevant to the society. The response received for the competition was enormous and overwhelming. The event received positive responses from participants, the visitors, faculties and judging panel.

The visiting students got an idea about how the projects must be done, what technologies must be used, etc. All the participants were awarded with participation certificates. Winners were awarded certificates and prizes. It was an excellent platform for the students to exhibit their talents. It was a grand success. There was large participation from students of S.E, T.E and B.E Computer Engineering.

Overall it was an interactive competition.

Thanking You.

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

Prof. Umesh Mohite

CSI Incharge

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-401305, Phone no:7770002544 Website: www.viva-technology.org
COMPUTER ENGINEERING DEPARTMENT
CSI VIVA-TECH

Date: 28/03/2019

To whomsoever it may concern

We Computer Engineering Department, VIVA Institute of Technology would like to appreciate **Prof. Dnyaneshwar Bhabad** for rendering expertise in Judging the first **Inter-Collegiate Project Competition - Imperia 2018-19** held on 28th March 2019, under the banner of CSI VIVA TECH.

We sincerely appreciate your time and efforts for making the event a success. Thanks for your generous support and we hope that you will consider supporting other events in the future.

Prof. Umesh Mohite
CSI Incharge
Computer Engg. Department

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Dist. Palghar
VIRAR (EAST)

Prof. Ashwini Save
Student Branch Councilor
HOD, Computer Engg. Department

Winners of Project Competition Imperia

Following were the Winners of Project Competition.

First Prize:

Project Name: Chatbot for people with Anxiety and Depression

Group Members: Pranay Bangera and Group (VIVATech, Computer Engineering)

Second Prize:

Project Name: The logical and creative approach to learn digital system

Group Members: Dheeraj Purohit and Group (VIVATech, Computer Engineering)

Third Prize:

Project Name: The logical and creative approach to learn digital system

Group Members: (Iraqi Shamshad and Group (Fr. Conceicao Rodrigues College of Engineering)

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Prof. Umesh Mohite
CSI Incharge

Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

Shirgaon, Virar (E)

Ref. No.VIVA/VIT/208 /2018-19 Date : 13/3/2019

To,
Admin Committee,
Late Shri Vishnu Waman Thakur Charitable Trust,
Virar.

Subject :-Expenditure of Inter Collegiate Project cum poster Competition.

Respected Sir,

Inter Collegiate Project cum poster competition will be held on 28th March'2019.

Details of approximate expenditure:

Sr. No.	Branch	Project	Prizes			Certificates
			1st	2nd	3rd	
1	Electronics & Telecommunication Engineering	Project	2000	1500	1000	6500*
		Mini Project	1500	1000	500	
2	Computer Engineering	Project	2000	1500	1000	
3	Electrical Engineering	Project	2000	1500	1000	
		Mini Project	1500	1000	500	
4	Mechanical Engineering	Project	2000	1500	1000	
5	Civil Engineering	Project	2000	1500	1000	
Total			**13000**	**9500**	**6000**	**6500**

* Depends on number of participants

Grand Total : Rs. 35000/- (Rs. Thirty Five Thousand Only)

It is hereby requested to sanction the above mentioned amount.

Thanking you.

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar Tal.: Vasai, Dist. Palghar VIRAR (EAST)

Yours faithfully

Principal

Dr. Arun kumar

VIVA INSTITUTE OF TECHNOLOGY VIRAR

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/PROJECTCOMPETITION

ACADEMIC YEAR 2018-19

Department of Electrical Engineering, VIVA Institute of technology conducted Project Exhibition/Project Competition on 31/03/2022.

Total 40 groups participated in the exhibition from across various institutes. The display of projects was arranged at 4 different venues. AC machine lab, DC machine Lab, PE lab, Measurement lab – 1st floor.

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

Winners of project exhibition.

Sr no	Name of Group Members	Project Tile	Name of the Institute	Ranking
1	Intezar Ali L.R Salmani Prasad Bobhate Deepak Kushwaha	Interfacial Tension Test of Transformer Oil	Viva Institute of Technology	1st
2	Vikrant M. Tejam Jay A. Wala Dibesh D. Singh Omprakash R. Singh	Modular electromagnetic levitator furnace	Viva Institute of Technology	2nd
3	Jaydeep Asodariya Anurag Bhatt Adinath Kadam KP Mredhul Balan	Design and Fabrication of Regenerative Braking of EV	Viva Institute of Technology	3rd

1st Price, Interfacial Tension Test of Transformer Oil

2nd Prize, Modular electromagnetic levitator furnace

3rd Prize, Design and Fabrication of Regenerative Braking of EV

Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Virar (E), Taluka-Vasai, District-Palghar, 401305, Maharashtra
Department of Electrical Engineering
TECHNOVATION - 2019
Attendance sheet for Project Competition

Project ID	Name of Student	Name of college/Institute	Sign
05	SHAILESH MHASKAR	ST. FRANCIS INSTITUTE (BORIVALI)	
05	SATYEN SANE	ST FRANCIS INSTITUTE (BORIVALI)	
15	ANURAG BHATT	VIVA INSTITUTE OF TECHNOLOGY	
15	JAYDEEP ASODARIYA	VIVA INSTITUTE OF TECHNOLOGY	
15	ADINATH KADAM	VIVA INSTITUTE OF TECHNOLOGY	
15	KP MREDHUL	VIVA INSTITUTE OF TECHNOLOGY	
7	Ramchandra P. Desai	Viva Institute of Technology	
7	Rahul R. Vaidya	VIVA INSTITUTE OF TECHNOLOGY	
7	Mohit S. Markute	Viva Institute of Technology	
7	Mayur B. Pawar	VIVA INSTITUTE OF TECHNOLOGY	
13	Nimish A. Raut	VIVA INSTITUTE OF TECHNOLOGY	
13	Shailesh Rayani	VIVA INSTITUTE OF TECHNOLOGY	
13	Deep M. Patel	VIVA INSTITUTE OF TECHNOLOGY	
13	Gyanmil N. Teli	VIVA INSTITUTE OF TECHNOLOGY	
20	Kinjal N Tank	VIVA INSTITUTE OF TECHNOLOGY	
20	Monali R. Kumavat	VIVA INSTITUTE OF TECHNOLOGY	
20	Kunjal R. Shah	VIVA INSTITUTE OF TECHNOLOGY	
20	ADITI V. GAROI	VIVA INSTITUTE OF TECHNOLOGY	
18	Saurabh R. Patil	VIVA INSTITUTE OF TECHNOLOGY	
14	Kamesh Pichakar	VIVA INSTITUTE OF TECHNOLOGY	
14	Ashitosh P. Watambare	VIVA INSTITUTE OF TECHNOLOGY	
8	Kaustubh M Bhavsar	VIVA INSTITUTE OF TECHNOLOGY	
8	Sanket Rambole	VIVA INSTITUTE OF TECHNOLOGY	
8	Akshay Bagul	VIVA INSTITUTE OF TECHNOLOGY	
8	Siddhesh D. Desai	VIVA INSTITUTE OF TECHNOLOGY	
11	Zoher Shaikh	VIVA INSTITUTE OF TECHNOLOGY	
11	Rohit Gupta	VIVA INSTITUTE OF TECHNOLOGY	
11	Gaurav Parmar	VIVA INSTITUTE OF TECHNOLOGY	
11	Alisha Kabir	VIVA INSTITUTE OF TECHNOLOGY	
19	Siddhesh Godekar	VIVA INSTITUTE OF TECHNOLOGY	
19	Hemendra Bondre	VIVA INSTITUTE OF TECHNOLOGY	
19	Dilip Gupta	VIVA INSTITUTE OF TECHNOLOGY	
19	Dipak Barot	VIVA INSTITUTE OF TECHNOLOGY	
12	Shantanu Mohile	VIVA INSTITUTE OF TECHNOLOGY	
12	Deepak Singh	VIVA INSTITUTE OF TECHNOLOGY	
12	Abhishek Mistry	VIVA INSTITUTE OF TECHNOLOGY	
12	Rohan Upadhyay	VIVA INSTITUTE OF TECHNOLOGY	
09	Ajay S. Gupta	VIVA INSTITUTE OF TECHNOLOGY	
09	Tanmay S. Kadam	VIVA INSTITUTE OF TECHNOLOGY	
09	Hardik H. Makwana	VIVA INSTITUTE OF TECHNOLOGY	
09	Sumit S. Jaiswar	VIVA INSTITUTE OF TECHNOLOGY	
4	INTEZAR ALI SALMANI	VIVA INSTITUTE OF TECHNOLOGY	
4	PRASAD L. BOBHATE	VIVA INSTITUTE OF TECHNOLOGY	
4	DEEPAK B. KUSHWAHA	VIVA INSTITUTE OF TECHNOLOGY	
4	SUMIT S. RAI	VIVA INSTITUTE OF TECHNOLOGY	
16	JAY A. WALA	VIVA INSTITUTE OF TECHNOLOGY	
16	VIKRANT TETAM	VIVA INSTITUTE OF TECHNOLOGY	

Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Virar (E), Taluka-Vasai, District-Palghar, 401305, Maharashtra
Department of Electrical Engineering
TECHNOVATION - 2019
Attendance sheet for Project Competition

Project ID	Name of Student	Name of college/Institute	Sign
16	DIBESH SINGH	VIVA INSTITUTE OF TECHNOLOGY	
16	OMPRAKASH SINGH	VIVA INSTITUTE OF TECHNOLOGY	
6	HIMANSHU TAMORE	VIVA INSTITUTE OF TECHNOLOGY	
6	HIMALAY BARI	VIVA INSTITUTE OF TECHNOLOGY	
6	KALPESH TAMORE	VIVA INSTITUTE OF TECHNOLOGY	
3	PRANALI NAIK	VIVA INSTITUTE OF TECHNOLOGY	P.P.Naik
3	SNEHAL AMBHIRE	VIVA INSTITUTE OF TECHNOLOGY	Snehal
3	PRACHI HARARE	VIVA INSTITUTE OF TECHNOLOGY	P.Harare
3	ANKITA VAYADA	VIVA INSTITUTE OF TECHNOLOGY	
17	ABHISHEK DANE	VIVA INSTITUTE OF TECHNOLOGY	
17	Mayur GHOSALKAR	VIVA INSTITUTE OF TECHNOLOGY	
17	SIDDHESH SAWANT	VIVA INSTITUTE OF TECHNOLOGY	
17	CHETAN KAMBLE	VIVA INSTITUTE OF TECHNOLOGY	
18	ALOK YADAV	VIVA INSTITUTE OF TECHNOLOGY	
18	Rahul Gupta	VIVA INSTITUTE OF TECHNOLOGY	
18	Shubham Zanje	VIVA INSTITUTE OF TECHNOLOGY	
18	Rahul Yadav	VIVA INSTITUTE OF TECHNOLOGY	
2	SHARAD ICASBE	VIVA INSTITUTE OF TECHNOLOGY	
2	ANIKET GURAV	VIVA INSTITUTE OF TECHNOLOGY	
2	TRUPAL PATIL	VIVA INSTITUTE OF TECHNOLOGY	
2	Sandesh Pansare	viva institute of technology	
10	Rishikesh Zimal	Viva Institute of technology	
10	Krunal Khochare	Viva Institute of technology	
10	Hanish Gawde	Viva Institute of technology	
10	Rupal Wade	Viva Institute of technology	
01	Vaibhav. Rathod	ST FRANCIS INSTITUTE (BORIVALI)	
01	Sagar Sakhiya	ST FRANCIS INSTITUTE (BORIVALI)	
01	Sumit. Rana	ST FRANCIS INSTITUTE (BORIVALI)	
01	Nipun. Saigal	ST FRANCIS INSTITUTE (BORIVALI)	

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Department of Electronics and Telecommunication Engineering

CONVERGENCE 2019

PROJECT EXHIBITION/PROJECT COMPETITION

ACADEMIC YEAR – 2018-19

Department of EXTC Engineering, VIVA Institute of technology conducted

Project Exhibition/Project Competition on 31/03/2022.

Total 76 groups participated in 3 different categories from across various institutes. The display of projects was arranged network and communication, project lab, antenna and microwave lab, classrooms.

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.

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

Department of Electronics and Telecommunication Engineering

OSCILLATIONS 2019

CONVERGENCE

Winner List

28/3/19

Group No.	Name of Student	Name of Project	Name of College	Prize
BE 13	Rahul Rao Vishal Patel Ankush Patil Neha Pawar	UWB MIMO Antenna	St. Francis Institute of Technology	First
E 15	SWAPNALI MORE , POOJA PATIL, NEVIL REGO , PRACHI PAWAR	POWER GENERATION SYSTEM	st .xavier's technical institute	Second
19	Aakash Kondaskar, Prasad Jos[illegible], Bhushan Kadam, Kartikkumar Mahyavanshi	Smart Trolley using RFID	VIVA INSTITUTE OF TECHNOLOGY	Third
9	sudhanshu mishra , nehanshu tripathi, suhas panhalkar, abhijeet patil	FM Broadcasting system	st .xavier's technical institute	Consolation
6	Smith Barbose, Royal D'silva Kyle Nunes Rishikesh Salvi Sajol Rebello,	Automatic Robotic Arm	St Xavier's Technical Institute	First
[illegible]	Aman Khan	Paper Piano using Arduino	Viva Institute of Technology	Second
13	parikshit nishad, rahul mishra, rohit rajesh pandey	life saver	Viva Institute of Technology	Third
17	Sagar bhavsar, haris khan, ajay yadav, novel itur	Smart home automation system using IOT	Theem college of engineering	Consolation
P 25	Tanvi save, saili bakalkar, Rushikesh haral, sushma chippa	Smart voice controlled personal assistant	Viva institute of technology	First
P 31	Brijesh Menon	Wireless network	Universal college of engineering	Second
P 15	Zobia samin Khan , Nagma A.kadir Ghare	Microstrip antenna	SIES Graduate school of technology	Third

VIVA INSTITUTE OF TECHNOLOGY
At. Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

IETE Co-ordinator

HOD EXTC

Group Number	Name of Student Enrolled	Contact Number	Name of College/Institute	Name of Project/Mini Project/Poster	Name of Group Members	Signature with date	IETE Mmebership No.
BE 1	Akshay Laxman Tari	9503166073	Viva Institute of Technology	Aadhaar Based Smart EVM	Chirag Chaudhari, Shubham More, Aakash Thakare, Akshay Tari		
BE 2	Sagar Panchal	9930463076	VIVA Institute of Technology	Automated Solar Tracking System for Efficient Energy Utilisation	Sagar Panchal, Omkar Navalkar, Prasad Jadhav		
BE 3	Arpita Salvi	9004665845	VIVA institute of technology	Decomposition of organic waste	Arpita Salvi Niraj dixit, Ankita namsale, Shailesh gharde		FG-A11 2050
BE 4	Amitendra Bhardwaj	8286864553	Viva Institute of Technology	Density based traffic control using Google API	Umang Kacha, Manisha Mane, Bhakti Shetty, Amitendra Bhardwaj		
BE 5	Mayur Rane	09920247393	Viva Institute of Technology	Developing Cost-Effective Dot Matrix Braille Printer	Mayur Rane, Sharad Gaikwad, Sai Ghawali, Happyraj Yadav		
BE 6	Anuj Gupta	+917387767745	Viva institute of technology	Face detection and recognition using neural network	Shashwat mishra, anuj gupta, sumit mondal, mayuresh pawar		
BE 7	Vaishnavi Pawar	7709280691	Viva Institute of technology	FM Radio station using Raspberry Pi 3	Deepakkumar Pandey, Bhavika Patil, Sonal Patil, Vaishnavi Pawar		FG-A150450
BE 8	Hrutuja Raut	8983513503	Viva institute of technology	Garbage Disposal system	Hrutuja Raut, Utkarsha Chaudhari, Sagarika kavali, Supriya Kapdule		
~~BE 9~~ MPG	Rahul Pandit	7021041931	St. Xavier's Technical Institute,mahim	IOT based air pollution monitoring system	Omkar Rane, Rahul Pandit, Saurav Rajput, Ayush Ambre		FD-A173087
BE 10	janhvi sawant	7045184344	ST.Xavier's Technical Institute,Mahim	IOT based Home Automation	Janhvi sawant,Rajasi tamba,Priyanka korgaonkar,Vanita medar		
BE 11	Sinvani Mandhare	9326986155	Viva Institute of technology	Leukemia detection using image processing	Chirag Arekar, Sameer Mengane, Mansi Wade		
BE 12	Shubham tiwari	08087930713	Viva institute of technology	Lora communication	Shubham tiwari,Suman mondal,Atul yadav,Omkar patil		
~~BE 13~~ NEHA PAWAR	~~SANCHI JATAV~~	~~8329892753~~ 9664072058	~~Viva Institute of Technology~~ S.I.T.I.T	~~PLC BASED AUTOMATIC LIQUID MIXING AND FILLING SYSTEM~~ Office withdrawn	~~Sanchi Jatav, Yashika Engineer, Roshan duble, Sai Adgale~~		
BE 14	Prashant Atulkumar Singh	9702390131	Viva Institute of technology	Portable Attendance System	Aman Takshak, Tahmeena Solkar, Tejashri Kakde, Prashant Singh		

VIVA INSTITUTE OF TECHNOLOGY
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				POWER GENERATION SYSTEM	SWAPNALI MORE , POOJA PATIL, NEVIL REGO PRACHI PAWAR		
BE 16	Abhishek Sawant	8655564043	Viva college of technology	Smart mirror using raspberry pi	Piyush Gaikwad,Abhishek Sawant,Kushal Raut		
BE 17	Omkar Bhushankar	8169882655	VIVA Institute of Technology	SMART NUMBER PLATE RECOGNITION AND TOLL DEDUCTION	OMKAR BHUSHANKAR,SOHAM NAIK,AKSHAY, NILAY		FG-A15044
BE 18	Salil bakalkar	8605634813	Viva institute of technology	Smart pi voice controlled personal assistant	Tanvi save,salil bakalkar, Rushikesh haral,sushma chippa		
BE 19	Aakash Kondaskar	9702872529	VIVA INSTITUTE OF TECHNOLOGY	Smart Trolley using RFID	Aakash Kondaskar, Prasad Joshi, Bhushan Kadam, Kartikkumar Mahyavanshi		
BE 20	Prarthana patil	8793504670	Viva institute of technology	Vehicle black box using microcontroller AT89S5	Prarthana patil , akshay tukaral ,sharad yadav		
BE 21	Suraj Gupta	8657274745	Viva institute of technology	Voice enabled smart drone	Suraj Gupta, Ravi Maurya, Pradeep Yadav, Godavari Kedar		FM-A15044
BE 22	Prashant	9702309613	Viva institute of technology	Defective Cable recognition beneath ground	Prashant, dipesh, Prashant rai, Navin		
MP 1	nevil rego	8779487599	st .xavier's technical institute	INVERTER	SWAPNALI MORE , POOJA PATIL, NEVIL REGO , PRACHI PAWAR		
MP 2	Saanya lakhani	8108544675	Atharva	Radar System using Atmega328p	Saanya lakhani, Meet Dhanki		
MP 3	Jay Prakash Pandey	7709495024	Viva institute of technology	Age detector using matlab	Suraj mourya, shubham Mishra , Sahil patil, Jay Pandey		
MP 4	Nitesh Shelye	09145109481	Viva institute of technology	Arduino panoramic photoshpere	Nitesh, Govind, Akash,arun		
MP 5	Esa Malik	9867867980	St. Xavier's Technical Institute	AUTOMATIC PLANT WATERING SYSTEM	Esa Malik, Zaid Malik, Sunny Creado, Atharva Biradar, Rohan Choudhari		
MP 6	Smith Barbose	9158120705	St Xavier's Technical Institute	Automatic Robotic Arm	Smith Barbose,Royal D'silva,Kyle Nunes,Sajol Rebello,Rishikesh Salvi		

VIVA INSTITUTE OF TECHNOLOGY
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Group Number	Name of Student Enrolled	Contact Number	Name of College/Institute	Name of Project/Poster	Name of Group Members	Signature with date	IETE Mmebership No.
MP 7	Nagma A Kadir Ghare	8286637840	SIES Graduate school of technology	Designing of suspended rectangular microstrip antenna	Zobia samin khan, Nagma A Kadir Ghare		
MP 8	Ravi Kumar Chauhan	8286040603	Viva intsitute of technology	Dilation and erotion of an image	Saheed Ansari, Siddhesh Gavakar, Shubham Mishra		
MP 9	sudhanshu amrish mishra	7303859600	st.xavier's technical institute(Diploma)	FM Broadcasting system	sudhanshu mishra ,nehanshu tripathi,suhas panhalkar,abhijeet patil		
MP 10	Siddhesh Vijay Gavakar	7028170614	Viva institute of technology	Home automation	Ravi Chauhan, Shubham Mishra, jitesh Yadav		
MP 11	Janhvi sawant	7045184344	ST Xavier's Technical Institute, mahim,mumbai	IOT based home automation	Janhvi sawant,priyanka korgaonkar,rajasi tambe,vanita medar		
MP 12	Tanmay Talele	7276666361	VIVA Institute of Technology	Krishi mitra	Tanmay Talele, Nikhil Naidu , Saniya Patil, julee Bhombe		
MP 13	Sagar	09096944799	Theem college of engineering	Smart home automation system using IOT	Sagar bhavsar,haris khan,ajay yadav,novel itur		
MP 14	Suraj Mourya	7541839449	Viva institute of technology	LPG GAS DETECTOR USING GSM	Shubham mishra,suraj mourya,jay pandey,siddhesh gavakar		
MP 15	Aman Khan	9702910952	Viva Institute of Technology	Paper Piano using Arduino	Aman Khan		
MP 16	Adit shirodkar	8983252980	Viva institute of technology	Paralyses helthcare system	Sumedh tandel,manish patil,shlok rout		
MP 17	Sagar	9096944799	Theem college of engineering	Smart home automation system using IOT	Sagar bhavsar,haris khan,ajay yadav,novel itur		
MP 18	Prathamesh Labde	9158235932	VIVA College	Weather Reporting using WIFI	Prathamesh Labde		
MP 19	satam chetan	9503293677	viva institute of technology	WEB SERVER	chetan, sunil, nikita, sandhya		
~~MP 20~~ P32	suchan khade	9957148445	VIVA Institute of Technology	Wireless Power Sharing	suchan khade, Pooja Jha , Rubini Pulliadi		
MP 21	Bhakti Patil	8149247407	Viva	[illegible]	Ashwanti, Bhakti, Vaishali, Reena		

At: Shirgaon, Post: Virar, Tal.: Vasai, Dist. Palghar
VIVA INSTITUTE OF TECHNOLOGY

Group Number	Name of Student Enrolled	Contact Number	Name of College/Institute	Name of Project/Mini Project/Poster	Name of Group Members	Signature with date	IETE Mmebership No.
P 15	Nagma A Kadir Ghare	9930637840	SIES Graduate school of technology	Microstrip antenna	Zobia samin Khan , Nagma A kadir Ghare		
P 16	Nagma Ghare	9930637840	Siesgst	~~Microstrip patch antenna~~ RADIATION HAZARDOUS & SOLUTION	Nagma Ghare zobia samin Khan , AQUIB PATEL, YOGESH DALVI		
P 17	Hitesh rawat	8850360221	Viva institute of technology	Nanotechnology Panorama(360vr)	Hitesh Rawat ,Neelu yadav ,Pooja prasad, Aditi Verma		
P 18	Govind Naik	9.19757E+11	Viva institute of technology	Piezzoelectric generator	Govind Ratnakar naik shubham Chetan mulik		
P 19	Minal Chaudhary	9930667617	SIES Graduate School of Technology	Plasma Antenna	Minal Chauchary, Nilam Mohite		
P 20	Prashant Alukumar Singh	9702390131	Viva institute of technology	Portable Attendance System	Aman Takshak, Tahmeena Solkar, Tejashri Kakde Prashant Singh		
P 21	nevil rego	8779487599	st xavier's technical institute	POWER GENERATION SYSTEM	SWAPNALI MORE , POOJA PATIL , NEVIL REGO , PRACHI PAWAR		
P 22	Nagma Ghare	9930637840	Sies gst	Radiation hazardous & solutions	Nagma Ghare, zobia samin Khan ,aquib patel,yogesh dalvi		
P 23	Abhishek Sawant	8655564043	Viva college of technology	Smart mirror using raspberry pi	Piyush Gaikwad, Abhishek Sawant, Kushal Raut		
P 24	Omkar Bhushankar	8169882855	VIVA Institute of Technology	SMART NUMBER PLATE RECOGNITION AND TOLL DEDUCTION	OMKAR BHUSHANKAR,SOHAM NAIK,AKSHAY		
P 25	Salil bakalkar	8605634613	Viva institute of technology	Smart pi voice controlled personal assistant	Tanvi save,salil bakalkar, Rushikesh haral,sushma chippa		
P 26	Aakash Kondaskar	9702872529	VIVA INSTITUTE OF TECHNOLOGY	Smart Trolley using RFID	Aakash Kondaskar, Prasad Joshi, Bhushan Kadam, Kartikkumar Manyavanshi		
P 27	Sagar Panchal	9930463076	VIVA Institute of Technology	Solar Tracking System	Sagar Panchal, Omkar Navalkar, Prasad Jadhav		
P 28	Neha Pawar	9664072083	St. Francis Institute of Technology	UWB Antenna	Rahul Rao, Vishal Patel, Ankush Patil, Neha Pawar		

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				Vehicle black box using micro controller AT89S5	Prashanth ... tukaral, sharad yadav	28/3/19	
P 30	Suraj Gupta	8657274745	Viva institute of technology	Voice enabled smart drone	Suraj Gupta, Ravi Maurya, Pradeep Yadav, Godavari Kedar	Suraj 28/3/19	
P 31	Gokulkrishna Nair	8805837093	Universal college of engineering	Wireless network	Brijesh Menon Avinash Sahu	28/3/19	
P32	Suchan Khade	9158812716	Viva Institute of Technology	Wi-Tricity	Rubini Pulliadi, Pooja Jha, Suchan Khade	Pooja 28/3/19	
P33	Aman Khan	9702910952	Viva Institute of Technology	Hybrid Cycle	Aman Khan		

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar

PROJECT EXHIBITION/PROJECT COMPETITION

ACADEMIC YEAR - 2018-19

Department of Mechanical Engineering, VIVA Institute of technology conducted Project Exhibition/Project Competition on 28/03/2019. Total 42 groups participated in the exhibition from across various institutes. The display of projects was arranged at 4 different venues, MV Lab, ME lab, Room besides canteen and in the workshop - ground floor. Various Industry persons also attended the project exhibition, appreciated students for their good work, and gave their feedback to students on various projects. YouTube Link: https://youtu.be/XFz1-98u8jE

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

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

Shirgaon, Virar (E.), Dist: Palghar-401305, Maharashtra

Group No.: - 31

Project Title: - Measurement Of Thermal Conductivity Of Fluid By Transient Hot Wire Method

Project Group Details:-

SR. NO.	NAME OF STUDENT	MOBILE NO.	E-MAIL	SIGN
1	MANGESH SUDHIR DHURI	8446993381	Mangeshdhuri1506@gmail.com	
2.	AASHISH MANOJ INGLE	8554947567	Ingle.aashish@gmail.com	
3.	JAGRUTI RAMESH BIRJE	8149842184	Jagrutibirje2711998@gmail.com	
4.	MRUDULA GIRISH BIDIKAR	7798551857	mrudulabidikar27@gmail.com	

Abstract: -

An Apparatus for measuring thermal conductivity of liquids using transient hot wire method is fabricated. The Apparatus uses an 8mm diameter Platinum wire placed in a test cell of 42mm diameter holding up to 550ml of liquid experimental were performed on anhydrous glycerol and distilled water and the results are tabulated. A difference of 1.7 % for anhydrous glycerol and 7.3% for distilled water where obtained while testing. Thus, the results obtained were within the acceptable limits. This is a flexible method which can easily disassemble the test cell for cleaning purpose and can be easily handled.

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (E)

Department of Mechanical Engineering

Date: 22/03/2019

To

The Principal

VIVA Institute of Technology

Virar (East)

Subject: Permission for conducing Intercollege Project Exhibition Competition

Respected Sir,

We the department of mechanical engineering are going to conduct **Intercollege Project Exhibition Competition** on **28th March 2019**. For that we are having following requirements as mention below

Sr. No.	Requirement	Details	Cost (Rs.)
1.	Prize money	1st - Rs. 2000/- 2nd – Rs. 1500/- 3rd – Rs. 1000/-	4500/-
2.	Tables	50 No's	Arrangement Required
3.	Switch Board	25 No's	Arrangement Required
4.	Table cloth	50 No's	Arrangement Required
5.	Certificates	240 No's x 8rs	1920/-
6.	Banner	3 ft * 6 ft	500/-

So, kindly allot above mentioned requirements for the same.

Thanking You.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Yours faithfully

22/03/19

Prof. Niyati Raut

H.O.D

Late Shri Vishnu Waman Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar(East)

Department of Mechanical Engineering

PROJECT COMPETITION 2019

VENUE-1 PROJECT LIST

Group No.	Title of the Project	Name of the College	SIGN
1	Design And Fabrication Of Traffic Air Purifier	VIVA Institute of Technology	
3	Manufacturing Of 3D Printing Filament By Using Recycled Pet (Polyethylene Terephthalate) Bottles	VIVA Institute of Technology	
11	Mechanism Of Front Suspension With Differential Gears And Steering.	Rizvi college of engineering	AB
19	Design And Fabrication Of Portable 3D Printer	VIVA Institute of Technology	
21	Design And Ansys Simulation Of Marine Propeller	VCET	AB
25	Bomb Defuser	Viva college of diploma engineering and technology	AB
27	Portable Spot Welding Machine	VCET collage of Engg. & Tech.	
31	Measurement Of Thermal Conductivity Of Liquid By Transient Hot Wire Method	Vidyavardhinis college of engineering and technology	
32	Passive Control Of Thermo-Acoustic Instabilities	Fr. C. Rodrigues Institute of Technology	AB
34	Design And Devlopment Of 3 Way Dumper	Shree L.R Tiwari college of engineering	AB
35	Water Desalination Project	MH. Saboo siddik polytechnic	
37	Design And Analysis Of Induced Draft Cooling Tower	Vidyavardhini's college of engineering and technology	AB
38	Design And Development Of Fixture And Control For Drilling Machine	vidyavardhinis college of engineering and technology	
45	Multipurpose Cnc Plotter Machine Using Arduino System	VIVA Institute of Technology	
48	Automatic Coffee Vending Machine Using Rfid	VIVA Institute of Technology	
54	Design And Analysis Of Ic Engine Piston Using Three Different Materials	Shree L.R. Tiwari college of engineering	
55	Experimental Determination Of Effect Of Different Artificial Light On Growth Of Plants In Hydroponics	Shree L.R Tiwari College Of Engineering	
56	Vertical Take And Landing Vehicle (Vtol) Unnamed Aerial Vehicle	Vidyavardhini's college of engineering and technology, vasai	AB
57	Designing, Fabrication & Testing Of Braking System And Wheel Hubs Of Fsae Vehicle	Vidyavardhini's College of Engineering & Technology	
58	Implementation Of Jit In Press Working Industry	Shree L.R. Tiwari College of Engineering	
59	Rotary Accumulator	Vidyavardhinis College of Engineering and Technology	AB

VIVA INSTITUTE OF TECHNOLOGY, Shirgaon, Post: Virar, Tal.: Vasai, Dist. Palghar, VIRAR (EAST)

40 Design & fabrication of rocket ~~machine~~ stove

18 Seed sowing machine

Late Shri Vishnu Waman Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar(East)

Department of Mechanical Engineering

PROJECT COMPETITION 2019

VENUE-2 PROJECT LIST

Group No.	Title of the Project	Name of the College	SIGN
7	Design And Modelling Of Waste Separator Machine	VIVA Institute of Technology	
9	Fabrication And Testing Of Waste Segregator Machine	VIVA Institute of Technology	
12	Structural & Modal Analysis Of Waste Segregator Machine	VIVA Institute of Technology	
13	Design And Manufacturing Of Brake Wear Indicator	VIVA Institute of Technology	
15	Design And Fabrication Of Biomass Pellet Manufacturing Machine	VIVA Institute of Technology	
18	Fabrication Of Seed Sowing Machine	VIVA Institute of Technology	
42	Design And Fabrication Of Coconut Dehusking Machine	VIVA Institute of Technology	
49	Design And Fabrication Of Solar Powered Water Purification And Cooling System	VIVA Institute of Technology	

VIVA INSTITUTE OF TECHNOLOGY
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VIVA Institute of Technology

Shirgaon, Virar(East)

Department of Mechanical Engineering

PROJECT COMPETITION 2019

VENUE-3 PROJECT LIST

Group No.	Title of the Project	Name of the College	SIGN
2	Button Operated Gear Changing Mechanism For Two Wheelers	VIVA Institute of Technology	
6	Installation Of Air Conditioner	VIVA Institute of Technology	
8	Design Of Air Conditioning Unit	VIVA Institute of Technology	
10	Analysis Of Air Conditioning System	VIVA Institute of Technology	
14	Design And Analysis Of All-Terrain Vehicle	VIVA Institute of Technology	
16	Manufacturing And Testing Of All Terrain Vehicle	VIVA Institute of Technology	
23	Design Of Amphibian Vehicle	VIVA Institute of Technology	AB
26	Analysis Of Amphibian Vehicle Using Ansys	VIVA Institute of Technology	AB
30	Design And Fabrication Of Automatic Convertible Wheelchair	VIVA Institute of Technology	
36	Design And Modification Of A 4 Stroke Bike Using Gobar Gas	VIVA Institute of Technology	
39	Cruise Control System Of Two Wheeler	VIVA Institute of Technology	
41	Stable Surface Water Cleaner Using Quadcopter	VIVA Institute of Technology	
44	Design And Analysis Of Uav	VIVA Institute of Technology	AB
51	Cruise Control System For Two Wheelers	VIVA Institute of Technology	AB

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

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VIVA Institute of Technology

Shirgaon, Virar(East)

Department of Mechanical Engineering

PROJECT COMPETITION 2019

VENUE-4 PROJECT LIST

Group No.	Title of the Project	Name of the College	SIGN
4	Vaccum Cleaner	VIVA Institute of Technology	
5	Design Optimization Of Monogram System For Textile Application	VIVA Institute of Technology	
17	Design And Manufacturing Of Fixtures And Gauges For The Cng Components Of M&M Ltd	VIVA Institute of Technology	
20	Designing And Testing Of Led Fixture Body	VIVA Institute of Technology	
22	Development Of An Autonomous Underwater Vehicle	VIVA Institute of Technology	
24	Preparation Of Biodiesel From Cooking Oil	VIVA Institute of Technology	
28	Design And Cfd Analysis Of Vertical Axis Wind Turbine	VIVA Institute of Technology	
29	Pipe Stress Analysis Using Caesar Ll Software	VIVA Institute of Technology	
33	Development Of Automatic Writing Machine Using Android Interface And Voice.	VIVA Institute of Technology	
~~40~~	~~Design,Analysis And Fabrication Of Rocket Stove~~	VIVA Institute of Technology	
43	Development Of Fixture And Gauge Of Doc Bracket	VIVA Institute of Technology	
46	Fabrication, Assembly, Installation And Testing Of Directional Couplers	VIVA Institute of Technology	
47	Implemenation Of Manufacturing Tools In Small Scale Industry	VIVA Institute of Technology	
50	Implementation Of 5S In A Small Scale Industry	VIVA Institute of Technology	
52	Implimentation Of Quality Management System In Small Scale Industry	VIVA Institute of Technology	
53	Design And Development Of Ball Valve To Prevent Leakage Problem	VIVA Institute of Technology	

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VIVA Institute of Technology

Shirgaon, Virar(East)

Department of Mechanical Engineering

PROJECT COMPETITION 2019

Prof. Swapnil Raut

Venue	Group ID	Project Name	Research Problem (05 pts)	Design and Methodology (10 pts)	Execution: Construction and Testing (10 pts)	Presentation/ Explanation (25 Pts)	Total (50pts)
VENUE 1	38	Design And Development Of Fixture And Control For Drilling Machine	03	07	08	21	39
	~~45~~	Multipurpose CNC Plotter Machine Using Arduino System	02	07	08	22	39
	~~48~~	Automatic Coffee Vending Machine Using Rfid	02	08	06	20	36
	54	Design And Analysis Of IC Engine Piston Using Three Different Materials	00	05	06	15	26
	55	Experimental Determination Of Effect Of Different Artificial Light On Growth Of Plants In Hydroponics	04	06	08	22	40
	~~56~~	Vertical Take And Landing Vehicle (VTOL) Unnamed Aerial Vehicle	—	—	—	—	—
	57	Designing, Fabrication & Testing Of Braking System And Wheel Hubs Of FSAE Vehicle	03	07	09	20	39
	58	Implementation Of JIT In Press Working Industry	01	03	00	15	19
	~~59~~	Rotary Accumulator	—	—	—	—	—

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28/3/19

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Shirgaon, Virar(East)

Department of Mechanical Engineering

PROJECT COMPETITION 2019

Venue	Group ID	Project Name	Research Problem (05 pts)	Design and Methodology (10 pts)	Execution: Construction and Testing (10 pts)	Presentation/ Explanation (25 Pts)	Total (50pts)
VENUE 2	7	Design And Modelling Of Waste Separator Machine	04	06	08	21	39
	9	Fabrication And Testing Of Waste Segregator Machine	04	06	08	21	39
	12	Structural & Modal Analysis Of Waste Segregator Machine	04	06	08	21	39
	13	Design And Manufacturing Of Brake Wear Indicator	03	07	06	20	36
	15	Design And Fabrication Of Biomass Pellet Manufacturing Machine	04	08	07	22	41
	18	Fabrication Of Seed Sowing Machine	03	06	05	20	34
	42	Design And Fabrication Of Coconut Dehusking Machine	04	06	07	21	38
	49	Design And Fabrication Of Solar Powered Water Purification And Cooling System	03	07	06	20	36

28/3/19

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VIVA Institute of Technology

Shirgaon, Virar (E)-401305

Department of Mechanical Engineering

Date: 28/03/2019

The final result of **Project Competition 2019** held by Department of Mechanical Engineering are as follows

Sr. No.	Position	Group ID	College	Project Title
1	1st	45	VIVA Institute of Technology	Multipurpose CNC Plotter Machine Using Arduino System
2	2nd	55	Shree L.R Tiwari College Of Engineering	Experimental Determination Of Effect Of Different Artificial Light On Growth Of Plants In Hydroponics
3	3rd	31	Vidyavardhini's College of Engineering and Technology	Measurement Of Thermal Conductivity Of Liquid By Transient Hot Wire Method

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HOD
Dept. of Mechanical Engg.

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VIVA Institute of Technology

Shirgaon, Virar (E)

Department of Mechanical Engineering

28/03/2019

To,
Professor Lalit Patil,
VIVA IMR,
Shirgaon, Virar East.

Subject: Letter of Appreciation

Dear Sir,

We are really grateful to you for your valuable time and effort for judging the Project Competition held in Department of Mechanical Engineering on 28th March 2019.

We appreciate the support and importance you have shown towards students by providing relevance and interest in their work and encouraging them to continue pursuing their innate curiosity and refining the inquiry process throughout their education.

Hope for similar support in future too.

Thanking you.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Yours faithfully,

Niyati Raut
HOD
Dept. of Mechanical Engg.

Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (E)

Department of Mechanical Engineering

28/03/2019

To,
Mr. Mehul Mane,
Absolute Mechatronics,
Vasai East.

Subject: Letter of Appreciation

Dear Sir,

We are really grateful to you for your valuable time and effort for judging the Project Competition held in Department of Mechanical Engineering on 28th March 2019.

We appreciate the support and importance you have shown towards students by providing relevance and interest in their work and encouraging them to continue pursuing their innate curiosity and refining the inquiry process throughout their education.

Hope for similar support in future too.

Thanking you.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
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Yours faithfully,

Niyati Raut
HOD
Dept. of Mechanical Engg.

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Shirgaon, Virar (E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE OF EXCELLENCE

This certificate is being awarded to Mr. /~~Ms.~~ NANGLE DIPESH MARUTI
of VIVA INSTITUTE OF TECHNOLOGY for securing FIRST position
in **PROJECT COMPETITION** organized by **Department of Mechanical Engineering** with project entitled
MULTIPURPOSE CNC PLOTTER MACHINE USING ARDUINO SYSTEM on 28th March 2019.

Mrs. Niyati Raut
(H.O.D, MECHANICAL)

VIVA INSTITUTE OF TECHNOLOGY
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Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Dr. Arun Kumar
(PRINCIPAL)

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

INDEX

4. RESEARCH AND INCUBATION

4. RESEARCH AND INCUBATION

VISION:

- To be a leading promoter of innovation and entrepreneurship that fosters synergy between the innovator, academia, and the industry to create a startup ecosystem.

MISSION:

- To motivate, build and promote out of the box thinking and development of innovative ideas.
- To create an ecosystem in campus to nurture innovation for promoting entrepreneurship through industry collaborations by providing incubation facilities and services for greater social impact.
- To promote activities related to Ideation, Pre-incubation and Incubation to support startups

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POLICY

- Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.
- Identify' based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions.
- Offer opportunities for interaction between academia and industry.
- To orient students and faculty towards research and innovation.
- To facilate students to convert their ideas into Technological Innovations and incubate starts up.
- To provide facility to students to build prototypes useful for promotion of Agricultural Rural development.
- To conduct workshops on emerging trends in technology
- To prepare and impart guidance to students to take active participation in various competitions
- To encouraged students and faculty for research work and industry based project
- To gain hands on experience and better industrial exposure through industry based project.
- Provided financial assistance in terms of seed money for projects competition.

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OUTCOMES

- Undertake problem identification, formulation and solution.
- Search appropriate literature for conceptual basis of research.
- Design engineering solutions to complex problems utilizing a systems approach.
- Conduct an engineering project.
- Communicate with engineers and the community at large in written an oral forms.
- Demonstrate the knowledge, skills and attitudes of a professional engineer.
- Participate in the projects in industries during his or her industrial training.
- Prepare professional work reports and presentations.
- Identify and formulate problem, and design required setup to carry out a research.
- Enlist the research methodology tools for data collection and analysis.
- Create a time frame for completing the project.
- Communicate the research summery, research gaps and research objectives through an effective report.
- Signed Memorandum of Understanding (MoU) with the industry for transfer of knowledge for the overall development of students.

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E-mail: contact@viva-technology.org / principalvit@vivacollege.org

Ref. No.VIVA VIT /[illegible]/2022-2023 Date : 07/01/2023

Research and Incubation Centre

NOTICE

Members of Research and Incubation Cell are requested to attend meeting.

Time : 3.30 pm

Venue: Research & Incubation Cell

Agenda

- Confirmation of minutes of the last meeting
- Out-come of research activity.
- Avishkar event coordination
- Proposal for minor research project
- Project completion.
- Any other matter with permission of chair

Principal

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal : Vasai, Dist: Palghar VIRAR (EAST)

Cc to:
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E-mail: contact@viva-technology.org / principalvit@vivacollege.org

Ref. No.VIVA VIT //999/2022-2023 Date : 07/07/2022

Research and Incubation Centre

NOTICE

Members of Research and Incubation Cell are requested to attend meeting.

Time : 3.30 pm.

Venue: Research & Incubation Cell

Agenda

- Confirmation of minutes of the last meeting
- Out-come of research activities.
- Paper publication.
- Any other matter with permission of chair

Principal

Cc to:
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Ref. No:VIVA VIT /9730/2021-2022 Date : 06/01/2022

Research and Incubation Centre

NOTICE

Members of Research & Incubation Cell are requested to attend meeting.

Time : 3.30 pm.

Venue: Research & Incubation Cell

Agenda

- Confirmation of minutes of the last meeting
- Energizing the students after lock down.
- Out-come of E-Baja competition
- Participation of students in competitions.
- Updation on grant received from University of Mumbai.
- Any other matter with permission of chair

Principal

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Ref. No.VIVA VIT /814/2019-2020 Date : 20/07/2019

Research and Incubation Centre

NOTICE

Members of Research & Incubation Cell are requested to attend meeting.

Time : 3.30 pm.

Venue: Research & Incubation Cell

Agenda

- Confirmation of minutes of the last meeting
- Updation of outcomes of research activities
- Any other matter with permission of chair

20-7-19
Principal

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Ref. No.VIVA VIT /883/ /2019-2020 Date : 08/01/2020

Research and Incubation Centre

NOTICE

Members of Research and Incubation Cell are requested to attend meeting.

Time : 2.30 pm.

Venue: Research & Incubation Cell

Agenda

- Confirmation of minutes of the last meeting.
- Achievement of students.
- Avishkar research convention.
- e-Yantra project
- Financial support
- Any other matter with permission of chair

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Ref. No.VIVA VIT /ERIA /2018-2019 Date: 06/7/2018

Research and Incubation Centre

NOTICE

Members of Research and Incubation Cell are requested to attend meeting

Time : 3.30 pm.

Venue: Research & Incubation Cell

Agenda

- Confirmation of minutes of the last meeting.
- Development of creative and innovative ideas.
- Developing awareness for competition.
- Any other matter with permission of chair.

Principal 26.7.18

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E-mail: contact@viva-technology.org / principal.it@vivacollege.org

Ref. No.VIVA VIT /730/2018-2019 Date: 07/01/2019

Research and Incubation Centre

NOTICE

Members of Research & Incubation Cell are requested to attend meeting.

Time : 3.30 pm.

Venue: Research & Incubation Cell

Agenda

- Confirmation of minutes of the last meeting.
- Development of team for Anveshana.
- Creation of research culture.
- Publication of papers.
- Welding facility for ATV.
- Project Competition
- Any other matter with permission of chair

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

Principal

Cc to:
All HODs - (FE / Comp / Civil / EXTC / Electrical / Mechanical)
Office

A meeting of the Research and incubation committee members was held on 06.7.2019 at 3:30 pm in research and incubation cell of VIVA Institute of Technology Virar (E).

The following members who signed below were present.

1. Dr. Arun Kumar – Chairman –
2. Mrs. Archana Ingle – Member –
3. Mr. Bhushan Save –
4. Mrs. Ashwini Save –
5. Mrs. Lissy Jose –
6. Mr. Ajazul Haque –
7. Mrs. Janhavi Sangoi –
8. Mrs. Meena Bhagat – Meena
9. Mr. Nutan Malekar – Malekar
10. Mr. Sunil Mehta –
11. Mrs. Niyati Raut – Incharge –

The chairman of the Research and incubation committee of VIVA Institute of Technology (VIT) welcomed all the members and meeting commenced. Following points were discussed and noted.

1. It was discussed to motivate and encourage students and faculty members for research/innovative activities in campus. Students should be given opportunity to learn outside the class room on certain projects. This will help them to develop new ideas and implement those ideas in developing mini or major projects.

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal: Vasai, Dist: Palghar VIRAR (EAST)

2. It was also decided to develop awareness among the students for participating in competitions at local, national and international level. This will help them for overall development. Students should be given opportunity to do creative work in the workshop/ laboratory. They should be supported by the faculty members. They should be provided with required facilities in the campus or outside the campus.

3. The meeting ended with vote of thanks by Mrs. Niyati Raut, incharge of Research and Innovation cell.

CHAIRMAN

A meeting of the research and incubation Committee members was held on 07/12/2019 at 3.30 pm in research and incubation cell of VIVA Institute of Technology Virar (E). The following members who signed below were present

1. Dr. Arun Kumar - Chairman
2. Mrs Archana Ingle - member -
3. Mr. Bhushan save - " - Absent
4. Mrs Ashwini save - " -
5. Mrs Lissy Jose - " -
6. Mrs. Ajazul Haque - " -
7. Mrs. Jasbavi Sangoi - " -
8. Mrs Meena Bhagat - " - Absent
9. Mrs. Nutan Malekar - " - Malekar
10. Mrs. Suneet Mehta - " -
11. Mrs Niyati Raut - Incharge -

The of the research and Incubation Committee of VIVA Institute of Technology (VIT) welcomed all the members and meeting commenced. Following points were discussed and noted:

1 It was suggested to guide the students for Smart India Hackathon - 2019.

2. It was also decided to propose a team for Anveshana Science and Engineering fair to be held at Nehru science Centre Worli, Mumbai.

3 It was emphasized to involve all the students to develop new ideas and innovative work in various departments. This will create research culture in the Campus. Students should be given opportunity to present their ideas

4. Students should also be engaged in creating research papers for National and International level paper presentations and publications. Students should be guided for checking plagiarism by using Open source software or any other plagiarism checkers.

5. Students involved in designing and fabricating all terrain vehicle should be supported by providing welding facility.

6. It was suggested to organise inter-Collegiate project Competition in our campus which will also help to create Competative environment in Campus.

7 Vote of thanks was given by Mrs Nipa Raut.

Chairman

A meeting of the Research and Incubation Committee members was held on 22/07/2019 at 2.00 pm in research and incubation cell of VIVA Institute of Technology virar (E). The following members who signed below were present.

1. Dr Arun Kumar - chairman -
2. Mrs Archana Ingle - Member -
3. Mr Bhushan Save
4. Mrs Ashwini Save
5. Mr Lissy Jose -
6. Mr Ajazul Haque
7. Mrs Jumbari Sangai -
8. Mrs Meena Bhagat -
9. Mrs Hutan Matekar -
10. Mr Sumeet Mehta -
11. Mrs Hiyati Raut - Incharge -

The of the Research and Incubation Committee of VIVA Institute of technology welcomed all the members and meeting commenced.

Following points were discussed and noted

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

2. Mrs Hiyati Raut highlighted the outcome of research activities by the students under the guidance of faculty members. Few major achivements are as under -

a. Sufyan Parkar and Rubina Pulliadi of electronics and telecommunication engineering got 1st Prize of cash Rs 20000 and also laptop.

b. Sanobi Talav and Godavari Kadam got

Second prize of cash Rs 5000 and one laptop.

c. Dipan Gada, Vijay Goswami, Shailesh Jaiswal, Ajay Gupta got 5th rank with cash prize Rs 10,000 and one laptop

d. A team of six students (Tanmay Talele, Manish Pawar, Aashish Jethwa, Sulke Bhomle, Saniya Patil and Nikhil Naidu) participated in national level event called: Smart India Hackathon - 2019, at Bangalore and got First prize of Rs 75,000.

e. Mrs. Archana Thale got Minor Research grant Rs 20,000 from University of Mumbai

2. Meeting ended with vote of thanks by Miss Niyati Raut, Incharge of Research and Incubation Centre

Chairman.

A meeting of the research and incubation committee members was held on 08/01/2020 at 2.30 PM in research and incubation cell of VIT, virar east.
The following members of Committee who signed below were present.

1 Dr. Arun Kumar - chairman -
2. Mrs Archana Ingle - Member -
3 Mr. Bhushan Save - "
4 Mrs Ashwini Save - "
5 Mrs Lissy Jose - "
6 Mr. Ajazul Haque - "
7. Mrs Janhavi Sangoi - "
8. Mrs Meena Bhagat - "
9 Mrs. Nutan Malekar - "
10. Mr Saeed Mehta - "
11 Mrs. Niyati Raut - Incharge -

The chairman of the Research and Incubation Committee of VIVA Institute of technology welcomed all the members and meeting commenced. Following points were discussed and noted:

1 Minutes of the last meeting of research and incubation cell held on 20/07/2019 was read and confirmed by all the members.

2 All the members of Research and Incubation Cell Committee Congratulated the students for their achievements at regional and national level.

3 Committee members discussed for encouraging students to participate in

At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIVA INSTITUTE OF TECHNOLOGY VIRAR (EAST)

Avishkar Research Convention organized by the University of Mumbai.

4. Discussion was made on involvement of the students for E-Yantra project organized by IIT Powai, Bombay.

5. Mrs. Hiyali Raut suggested to give financial support (Registration fees) to team of MBATA who designed and fabricated All-terrain Vehicle.

6. Meeting ended with vote of thanks by Mrs. Hiyali Raut.

Chairman

A meeting of the research and incubation committee members was held on 26/01/2022 at 3.30 PM in Research & incubation cell of VIVA Institute of Technology Virar (E).
The following members who signed below were present.

1 Dr Arun Kumar - chairman
2 Mrs Archana Ingle - member
3 Mr Bhushan Save
4 Mrs Ashwini Save
5 Mrs Lissy Jose
6 Mrs Tanhaz Sangoi
7 Mr Ajazul Haque
8 Mrs Meena Bhagat
9 Ms Nutan Malekar
10 Mr Suneet Mehta
11 Mrs Vijaya Raut - Incharge

The chairman of the Research and Incubation Committee of VIT, Virar welcomed all the members and meeting commenced. Following points were discussed and noted:

1. Minutes of the meeting held on 28/01/2020 was read and confirmed by all the members.

2. Chairman congratulated the faculty members and students for their efforts on innovative activities in the institute and suggested to make this more effective in future for achieving success.

3. Due to lock-down research activity became standstill, therefore, students should be encouraged for doing research activities.

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon, Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

4. A team of students for E-BAJA got 23rd rank on National level for preliminary round and got second rank in E-BAJA journey challenge.

5. A team of students participated in "Capture the Façade ISHRAE Mumbai event" and got 3rd rank.

6. A team of students participated in Mega ATV championship and got All India rank 20.

7. A team of students participated in E-BAJA SAE India virtual run event and got 1st rank at national level.

8. Following staff members got grant from University of Mumbai for minor research project
   1. Mrs. Niyati N. Raut – Rs 32,000
   2. Mr. Kanchan Raut – Rs 25,000
   3. Mr. Subhash Bansal – Rs 25,000

9. Mrs. Niyati Raut presented vote of thanks to all the members.

At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIVA INSTITUTE OF TECHNOLOGY VIRAR (EAST)

Chairman

A meeting of the Research and Incubation Committee members was held on 07/07/2022 @ 3:30 p.m. in research and incubation cell of VIVA Institute of Technology, Virar (E). The following members who signed below were present.

1. Dr Arun Kumar - chairman -
2. Mrs Archana Ingle - member -
3. Mr Bhushan Save -
4. Mrs Ashwini Save -
5. Mr Ajazul Haque -
6. Ms Lissy Jose -
7. Mrs Jashari Sangai -
8. Mrs Meena Bhagat -
9. Mrs Kirtan Malekar -
10. Mrs Subcat Mehta -
11. Mrs Niyati Raut - Incharge -

The chairman of the Research and Incubation Committee of VIT, Virar welcomed all the members and meeting commences. Following points were discussed and noted:-

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

2. A team of students of TE-EXTC got silver medal in national finals at IIT Bombay and cash prize of Rs 28,000 for research project on "Emergency Communication system".

3. A team of the students of EXTC received consolation prize for their project "Flood monitoring and alert system" in Anveshna science engineering fair

4. All the members Congratulated the students who put Continuous efforts for research activities and got prizes.

5. Mrs. Niyati Raut published 3 papers in peer reviewed journal "materials Today: Proceedings and Journal of Manufacturing Processes". Titles of the papers are as Under:-
   a. A numerical technique to analyse the thermal temperature distribution in the friction stir welding process for Titanium Ti-6Al-4V
   b. Determination of Johnson Cook parameters for Ti-6Al-4V Grade 5 experimentally by using three different methods
   c. A specific analytical study of friction stir welded Ti-6Al-4V grade 5 alloy's stir zone microstructure and mechanical properties

6. Mrs. Niyati Raut presented vote of thanks to all the members.

Chairman

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
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VIRAR (EAST)

A meeting of the Research and Incubation Committee members was held on 27/1/2022 at 2:30 pm in research and incubation Cell of VIVA Institute of Technology Virar (E).
The following members who signed below were present

1. Dr. Arun Kumar - chairman
2. Mrs Archana Ingle - Member
3. Mr Bhushan Save - " -
4. Mrs Ashwini Save - " -
5. Mrs Lissy Jose - " -
6. Mr Afzal Haque - " -
7. Mrs Jahnavi Sangar - " -
8. Mrs Meena Bhagat - " -
9. Ms Nufus Malekar - " -
10. Mrs Suneet Mehta - " -
11. Mrs Hiyab Rawl - Incharge

The chairman of the Research and Incubation Committee of VIT, Virar welcomed all the members and meeting Commenced.
Following points were discussed and noted :-

1. Minutes of the meeting was read and Confirmed by all the Committee members.

2. All the members congratulated students and faculty members who involved themselves in research activities.

3. A team of Computer engineering students participated in Technovation-2022 organized by KJSIT, Mumbai under IEEE Mumbai section and got 2nd prize for the project "Criminal Identification System"

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4. Chairman of the Committee suggested to motivate the students for doing Creative work and participate in Avishkar event organized by University of Mumbai. All the HOD's should Co-ordinate with Mr. Ratik Raut, Coordinator for Avishkar.

5. All the faculty members should prepare proposals for minor research project and submit to the University of Mumbai for grant.

6. Project Competitions should also be conducted at inter-collegiate level for creating healthy technical competitive environment in the Campus. Mini project should also be included for motivating the student.

7. Miss. Niyati Raut presented vote of thanks to all the members.

Chairman

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

INDEX

5. INDUSTRIAL PROJECT CERTIFICATES

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Late Shri. 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
E-mail: contact@viva-technology.org / principalvit@vivacollege.org

Synergy Water Park Rides Pvt. Ltd.
[illegible]

Ref. No.: Date: 30/03/2021

To Whomsoever It May Concern

This is to certify that the following students "**Dubey Manas Santosh**" (UCN No. MA1727), "**Jaynabh Kiran Jain**" (UCN No.MA1739), "**Jaynik Kiran Jain**" (UCN No. MA1700), "**Sani Kheimal Jain**" (UCN No. MA1741) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **"Optimization of FRP Moulding Process"** under mentorship of my firm dated from **August 2020** to **March 2021** during the academic year 2020-2021 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

(Company Seal)

With Regards,

(Md. Saeed Haque)
(Director)

United Technocrats

Date: 03/05/2021

This is to certify that the following students **Saurabh Hemant Pagare** (UCN No. MH1569), **Manmohan Chandrabhan Singh** (UCN No. MH1556), **Pratik Anil Thakre** (UCN No. MH1564), **Raj Ravindra Sadke** (UCN No. MH1541)of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their industrial Project titled **"Pulverisation of material and colandering of material in coupled unit"** under guidanceship of my firm dated from **August 2020** to **March 2021** during the academic year 2019-2020 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

With Regards,

(Sameera Dhanawade-Rasvle)

(Director)

UNITED TECHNOLOGICAL

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Industrial Certification

SYNERGY AUTOMATION SYSTEMS

DESIGN - MANUFACTURE - MAINTENANCE

Works : Gala No. 3, Mangalam Industrial Estate, Bhoidapada, Sativali Road, Vasai (E) - 401 208.
Contact Nos. : 9011686939 / 9860138104 Email Id. : synergyautomationsystems@gmail.com

To,

Date: 11.05.2020

To Whomsoever It May Concern

This is to certify that the following students "Manthan Milind Patil" (MB1622), "Aniket Ramram Shirgaonkar" (MB1645), "Akshay Shripati Shindkar" (MB1646), "Chirag Laxman Sule" (MB1649) of B.E. (Mechanical Engineering) of VIVA Institute of Technology, Virar have completed their Industrial Project titled "KAIZEN Implementation in a Small Scale Industry" under mentorship of my firm dated from August 2019 to March 2020 during the academic year 2019-2020 as partial fulfillment of the BE. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

For SYNERGY AUTOMATION SYSTEMS

AUTHORISED SIGNATORY

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Industrial Certification

Maauli associates

Bldg No.30, Gala No.06, HDIL Indl Park, Chandansar Road, Virar East 401305 Dist Palghar

To Whomsoever It May Concern

This is to certify that the following students are **"Shubham Ganesh Kotian"** (UCN No. MA1667), **"Swaraj Vasant Naik"** (UCN No. MB1612), **"Anuj Shivkaran Pal"** (UCN No. MB1615), **"Jatin Sanjay Nawar"** (UCN No. MBD1713) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **"Design of rotary die cutter for production of complex seals and improvement in delamination process"** under mentorship of my firm dated from **August 2019** to **March 2020** during the academic year 2019-2020 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is the result of efforts and endeavors. The project is found worthy of acceptance.

We wish good luck for their future.

Regards

Mehul Mane
9867996677
(Director)
Date:10th May 2020

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

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To Whomsoever It May Concern

This is to certify that the following students " Aniket Prakash Malekar " (UCN No. MB1506), " Dhawal Dattatrey Bhoir " (UCN No. MA1608), " Abhijeet Vasant Kumbhar " (UCN No. MA1468), " Sudarshan Manik Lahane" (UCN No. MBD1704) of B.E. (Mechanical Engineering) of VIVA Institute of Technology, Virar have completed their Industrial Project titled "Implementation of Kaizen in Small & Medium scale industries with the aid of AVIX software" under mentorship of my firm dated from August 2019 to March 2020 during the academic year 2019-2020 as partial fulfi llment of the B.E. (Mechanical Engineering) course. The proje ct repor is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

With Regards,

Faisal shaikh

(Faisal Shaikh)
9819380157
(Founder & CEO)
Date: 21st May 2020

Ref.No.RUT/CET/P/10/18-19

26/03/2019

To Whomsoever It May Concern

This is to certify that the following students **Rugved Divyanath Mhatre** (UCN No. M15078), **Shubham Deepak Chadi** (UCN No. M15021), **Pranay Sudhir Karekar** (UCN No. M15057) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **Fabrication, Assembly, Installation & Testing of Directional Couplers** under mentorship of my firm dated from **August 2018** to **March 2019** during the academic year 2018-2019 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

RAUT UNI-TECH PVT. LTD. DAHANU

Thanks & Regards,

Chinmay P. Raut
Director Opertations

VIVA INSTITUTE OF TECHNOLOGY
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Dist. Palghar
VIRAR (EAST)

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PRINCE METAL WORKS

(ISO / TS 16949 : 2009 & ISO 9001 : 2008 Certified)
O.E. MFRS. OF SHEET METAL & MACHINED COMPONENTS, CRITICAL FABRICATIONS, WELDED ASSEMBLIES & SPECIALIST IN DEEP DRAW

Ref. No.-PMW-D 01/18-19

Date:20.03.2019

To Whomsoever It May Concern

This is to certify that the following students **"Ankitkumar Jaiswar"** (UCN No. M15043), **"Pradnesh Jadhav"** (UCN No. M15039), **"Prathamesh Gurav"** (UCN No. M15032) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **"DEVELOPMENT OF FIXTURE AND GAUGE OF DOC BRACKET"** under mentorship of my firm dated from **August 2018** to **March 2019** during the academic year 2018-2019 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for them future.

PRINCE METAL WORKS VASAI

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

With Regards,

(Vyankatesh Rajkonda)
(Mgr.-QA)

FACTORY Unit - 1 : Plot No. 'E', S. No. 44-8/3, Ganesh Ind. Est., Nr. RPG Raychem, Waliv, Vasai (E), Palghar -401 208, INDIA
H.O. & FACTORY Unit - 2 : S. No.: 143, H. No.: 1, Sagir Compound, Vasai Phata, NH - 8, Highway Jn. - Pelhar, Vasai E, Palghar - 401 206, INDIA
Phone: +91 - 250 - 658 2916
Web: www.pmwindia.com

Mob.- 9049058483

OM SAI TEXTILE

Plot No. F-4/25, M.I.D.C., Boisar, Tal. Dist. Palghar- 401506

Email: omsai.pd88@gmail.com

Ref. No.

Date: 06 APR 2019

To Whomsoever It May Concern

This is to certify that the following students **"Aditya D. Kavaiya"** (UCN No. M16D066), **"Devesh D. Dhapashi"** (UCN No. M16D016), **"Yogesh B. Kamble"** (UCN No. M16D054) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **"DESIGN OPTIMIZATION OF MONOGRAM SYSTEM FOR TEXTILE APPLICATION"** under mentorship of my firm dated from **August 2018** to **March 2019** during the academic year 2018-2019 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

With Regards,

(For OM SAI TEXTILE)
For OM SAI TEXTILE

Partner.
(Authorized signatory)

Speciality Value Lighting & Design Pvt. Ltd.

GLS-SPA

Ref. No.

Date: 23.03.2019

To Whomsoever It May Concern

This is to certify that the following students **"Shrikant Prakash Jawdekar"** (UCN No. M12081), **"Uddhav Rajesh Mhapralkar"** (UCN No. M12086), **"Amit Anant Kamble"** (UCN No. M13083) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **"DESIGN AND TESTING OF LED FIXTURE BODY"** under mentorship of my firm dated from **August 2018** to **March 2019** during the academic year 2018-2019 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

Wi

Ras

Human Resource

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Shubh Building No. 1, Survey No. 150/151, Hira Industrial Park, Vasai Phata, Next to HP Petrol Station, Vasai East, Palghar- 401208 ◆ E-mail :- inquiry.svldpl@gmail.com ◆ Website :- www.svldpl.net

Speciality Value Lighting & Design Pvt. Ltd.

Ref. No.

Date: 23.03.2019

To Whomsoever It May Concern

This is to certify that the following students **"Priti Lau Pandit"** (UCN No. M16D090), **"Anuj Deepak Sankhe"** (UCN No. M12159), **"Prachi Rajendra Nijai"** (UCN No. M16D085) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **"IMPLEMENTATION OF QUALITY MANAGEMENT SYSTEM IN SMALL SCALE INDUSTRY"** under mentorship of my firm dated from **August 2018** to **March 2019** during the academic year 2018-2019 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

Speciality Value Lighting & Design Pvt. Ltd. Vasai (East)

Human Resource

COLOUR XEROX

Speciality Value Lighting & Design Pvt. Ltd.

Ref. No.

Date: 23.03.2019

To Whomsoever It May Concern

This is to certify that the following students **"Isaac Ayyadurai Nadar"** (UCN No. M15081), **"Sagar Santosh Shinde"** (UCN No. M15123), **"Prabhand Raman Naik"** (UCN No. M16D083) of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their Industrial Project titled **"IMPLEMENTATION OF 5S IN A SMALL SCALE INDUSTRY"** under mentorship of my firm dated from **August 2018** to **March 2019** during the academic year 2018-2019 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for their future.

Speciality Value Lighting & Design Pvt. Ltd. Vasai (East)

Human Resource

VIVA INSTITUTE OF TECHNOLOGY
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Post: Virar,
Tal.: Vasai,
Dist. Palghar
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Ref. No.-PMW-D 01/18-19 Date:27.03.2019

To Whomsoever It May Concern

This is to certify that the following students "SURAJKUMAR VISHWAKARMA" (UCN No. M15146), "ASHISH YADHAV" (UCN No. M15152), "NAVNEET YADAV" (UCN No. M15154) of B.E. (Mechanical Engineering) of VIVA Institute of Technology, Virar have completed their Industrial Project titled "DESIGN & MANUFACTURING OF GAUGES AND FIXTURES FOR CNG COMPONENTS" under mentorship of my firm dated from August 2018 to March 2019 during the academic year 2018-2019 as partial fulfillment of the B.E. (Mechanical Engineering) course. The project report is result of efforts and endeavors. The project is found worthy acceptance.

We wish good luck for them future.

PRINCE METAL WORKS VASAI

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

With Regards,

(Vyankatesh Rajkonda)
(Mgr.-QA)

FACTORY Unit - I : Plot No. [illegible]

PACIFIC

PACIFIC TOOLS PVT. LTD.

Date:30/03/2019

To Whomsoever It May Concern

This is to certify that the following students **Mr. Bhavin Vartak (UCN NO. M16D141),Mr. Deepak Shinde (UCN No. M16D121) & Mr. Pradunya Pol (UCN No. M16D100)** of B.E. (Mechanical Engineering) of **VIVA Institute of Technology, Virar** have completed their project titled **"Implementation of Manufacturing Tools"** under mentorship of my firm dated from August 2018 to March 2019 during the academic year 2018-2019 as partial fulfilment of the **B.E.** (Mechanical Engineering) course. The project report is results of efforts and endeavours. The project is found worthy acceptance.

We wish good Luck for their future.

With Regards,

Rakesh Mhade

(HR)

PACIFIC TOOLS PVT. LTD. VASAI

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Date:05.04.2018

To Whomsoever It May Concern

This is to certify that Mr. ABHISHEK B.WANI, Mr. ADITYA R. SAWANT, Mr. KIRAN S. SAWANT, the students of Final Year Bachelor of Engineering in Mechanical Engineering studying at VIVA Institute of Technology,Virar , has successfully completed their project titled "PROCESS IMPROVEMENT IN A FABRICATION INDUSTRY" in Punchtech engineers and Fabricators, vasai.The project report is result of their efforts and endeavours.The project is found worthy of acceptance.

We wish good luck for his future.

With regards,

For PUNCHTECH ENGRS. & FABRICATORS

Partner

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist.: Palghar
(EAST)

माझगांव डॉक शिपबिल्डर्स लिमिटेड
Mazagon Dock Shipbuilders Ltd.
(Formerly Mazagon Dock Limited)
(A Govt. of India Undertaking)
CIN : U35100MH1934GOI002079
Dockyard Road, Mumbai - 400 010
Dockyard Road, Mazgaon, Mumbai - 400 010
Certified ISO 9001 : 2008

Ref. No. MDC/TRG/18-19

Date 23 May '18

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Kaustubh Pravin Palshikar, a student from Viva Institute of Technology, Mumbai has completed Project on "Improvements in effectiveness in Supply Chain of Plater & Assembly Shop" in Mazagon Dock Shipbuilders Limited (MDL) during the period from 12.09.2017 to 30.04.2018.

He has been imparted training in the following department:

Sl#	Department	From	To
1.	Ship Building- Plater & Assembly Shop	12.09.2017	30.04.2018

His general ability and conduct was found good.

(Arun Kumar Chand)
Additional General Manager (HR-MDC)

अरुण कुमार चान्द
Arun Kumar Chand
अपर महाप्रबंधक (मा.सं.प्रबंधतंत्र विकास केन्द्र)
Additional General Manager (HR-MDC)
माझगांव डॉक शिपबिल्डर्स लिमिटेड
MAZAGON DOCK SHIPBUILDERS LIMITED

VIVA INSTITUTE OF TECHNOLOGY
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VIRAR (EAST)

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Phone +91(22)2376 3000 Fax (Material) +91(22)2373 8131 (Estt Yd.) +91(22)2373 8333
+91(22)2376 4000 (Finance) +91(22)2373 8338

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VIRAR (EAST)

ACG Pam Pharma Technologies Pvt. Ltd.

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ACG-pam

To Whomsoever It May Concern

This is to certify that Miss. Neha Kalambe, Miss. Rupal Gade and Mr. Rajat Chawell, the students of final year Bachelor of Engineering in Mechanical Engineering studying at VIVA Institute of Technology, Virar, Has successfully completed her project titled "PROCESS IMPROVEMENT IN PHARMACUTICAL COMPANY" in ACG Pam Pharma, Kandivali. The project report is result of their effort and endeavours. The project is found worthy of acceptance.

Santosh Sawde 11/4/2018

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

127, Kandivali Industrial Estate,
Kandivali West, Mumbai - 400 067, India

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ACG Worldwide

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Fax : (91 -
E-mail : laxm

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Kothari Industrial Estate, I. B. Patel Road, Goregaon (E.), Mumbai - 400 063.

:- CERTIFICATE OF COMPLETION :-

This is to certify that the following students :-

ABHIJIT KALE

YASH GAMANE

HARSHAD JAIN

have successfully completed the project work undertaken for us o digitizing the Pitchometer.

They have provided us different option for the components o the Instrument and came up with desired results and cost effectiveness.

We are satisfied by their performance and interest shown on th project work. So we congratulate them for successful completion o project and wish them all the best.

VIVA INSTITUTE OF TECHNOLOGY
At. Shirgaon
Post. Virar,
Tal. Vasai,
Dist. Palghar
VIRAR (EAST)

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Deepa

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

INDEX

6. NCRENB REPORT

VIVA INSTITUTE OF TECHNOLOGY
At: Shirgaon
Post: Virar,
Tal.: Vasai,
Dist. Palghar
VIRAR (EAST)

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

6. NCRENB REPORTS

Conference Report
NCRENB-2022

Conference Dates: 4th & 5th March 2022
Mode of Conference: Online

The role of an engineer is far reaching and beyond the vistas of human thinking and imagination. The emerging technologies of communications and computing have brought about a revolution in everyday life during the 21th century. The familiar mobile phones, CD players and fax machines are being joined by digital broadcast radio and televisions which offer more channels and much clearer sound and pictures. The application of Science and Technology (S&T) is the main agent of industrial economic and social development. Universities, Public and research institutes, industry and government have to become more closely involved and aware of the importance of co-operation with S&T to promote sustainable economic, social and industrial development.

NATIONAL CONFERENCE ON ROLE OF ENGINEERS IN NATION BUILDING 2022(NCRENB- 2022)

The main objective of the National Conference is to advance knowledge in building sciences in general and in aspects of building and construction in particular; to solve long-range problems of the building sector through methodological research and development; to provide support in solving short-term needs in areas where its expertise is crucial; and to disseminate knowledge and transfer technology.

Topics of Interest in NCRENB 2022 are as follows:
1 Electronics and Telecommunication Engineering
2 Electrical Engineering
3 Computer Engineering
4 Mechanical Engineering
5 Civil Engineering
6 Humanities & Applied Science

NCRENB 2022 was organized in co-operation with following International Body:
VIVA-Tech IJRI

Conference Statistics:
Track wise Paper Statistics: Selection

Track Name	TRACK	Papers	Internal Review	CRC
Electronics & Telecommunication Engineering	EXTC	22	22	22
Electrical Engineering	ELECT	35	32	32
Computer Engineering	COMP	26	26	26
Civil Engineering	CIVIL	41	39	39
Mechanical Engineering	MECH	70	40	39
Humanities & Applied Science	HUMA	3	3	3
Master of Computer application	MCA	42	42	42
Total		239	204	203

Conference Registration Statistics: Track	**Total**	**CRC**	**Registered /Recovery**	**Non Registered**
EXTC	22	22	22	0
ELECT	35	32	32	3
COMP	26	26	26	0
CIVIL	41	39	39	2
MECH	70	39	39	31
HUMA	3	3	3	0
MCA	42	42	42	0
Total	239	203	203	36

Total Paper Submissions	239
Accepted Full Papers for VIVA-TECH IJRI	203
Total Accepted Papers	203
Acceptance Rate	84.93%

Total 239 Papers were received out of which 203 Papers were accepted. The paper submission system was online managed by www.easychair.org. The papers were reviewed by a panel of internal as well as external reviewers. For each paper minimum two reviews were performed. Minimum One review by internal (VIVA TECH) reviewer and one review by external reviewers were performed. All external reviewers were highly qualified & experienced personnel with good expertise. NCRENB-2022 was held on google meet platform. All papers were finally approved by program convener Dr. Arun Kumar for uploading on VIVA-TECH IJRI

Overall Response:
Expected delegates: 203 (Registered)
Total delegates : 203 (Attended)
Percentage turn out : 100%
Total Resource persons : 16
Events organized
Paper presentation - 203 papers

Feedback
Rated very high with the following notes from the delegates:

a) Good technical contents and research oriented.
b) Though creativity was there, need to be enhanced.
c) Hospitality was excellent.
d) Cooperative staff members.

Prepared By:
Prof. Archana Ingle
(NCRENB 2022, Co-Convener)
Prof. Karishma Raut
(NCRENB 2022, Co-Ordinator)
Prof. Meena Perla
(NCRENB 2022, Program Committee)
Prof. Meera Kulkarni
(NCRENB 2022, Program Committee)

Approved By:
Dr. Arun Kumar
(NCRENB 2022-Convener)
(Principal – VIVA Institute of Technology, Mumbai, Maharashtra)
Date: 05/04/2022
Place: VIVA-TECH, Mumbai, Maharashtra.

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

Conference Report
NCRENB-2021

Conference Dates: 5th & 6th March 2021
Mode of Conference: Online

The role of an engineer is far reaching and beyond the vistas of human thinking and imagination. The emerging technologies of communications and computing have brought about a revolution in everyday life during the 21th century. The familiar mobile phones, CD players and fax machines are being joined by digital broadcast radio and televisions which offer more channels and much clearer sound and pictures. The application of Science and Technology (S&T) is the main agent of industrial economic and social development. Universities, Public and research institutes, industry and government have to become more closely involved and aware of the importance of co-operation with S&T to promote sustainable economic, social and industrial development.

NATIONAL CONFERENCE ON ROLE OF ENGINEERS IN NATION BUILDING 2021(NCRENB- 2021)

The main objective of the National Conference is to advance knowledge in building sciences in general and in aspects of building and construction in particular; to solve long-range problems of the building sector through methodological research and development; to provide support in solving short-term needs in areas where its expertise is crucial; and to disseminate knowledge and transfer technology.

Topics of Interest in NCRENB 2021 are as follows:

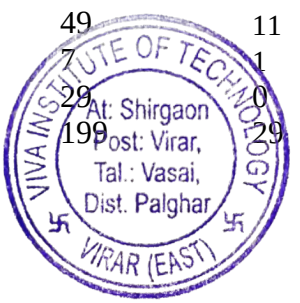
1 Electronics and Telecommunication Engineering
2 Electrical Engineering
3 Computer Engineering
4 Mechanical Engineering
5 Civil Engineering
6 Humanities & Applied Science

NCRENB 2021 was organized in co-operation with following International Body:
VIVA-Tech IJRI

Conference Statistics:
Track wise Paper Statistics: Selection

Track Name	TRACK	Papers	Internal Review	CRC
Electronics & Telecommunication Engineering	EXTC	20	20	19
Electrical Engineering	ELECT	35	35	31
Computer Engineering	COMP	24	24	24
Civil Engineering	CIVIL	52	52	40
Mechanical Engineering	MECH	60	60	49
Humanities & Applied Science	HUMA	8	8	7
Master of Computer application	MCA	29	29	29
Total		228	228	199

Conference Registration Statistics: Track	Total	CRC	Registered /Recovery	Non Registered
EXTC	20	19	19	1
ELECT	35	31	31	4
COMP	24	24	24	0
CIVIL	52	40	40	12
MECH	60	49	49	11
HUMA	8	7	7	1
MCA	29	29	29	0
Total	228	199	199	29



Total Paper Submissions	228
Accepted Full Papers for VIVA-TECH IJRI	199
Total Accepted Papers	199
Acceptance Rate	87%

Total 228 Papers were received out of which 199 Papers were accepted. The paper submission system was online managed by www.easychair.org. The papers were reviewed by a panel of internal as well as external reviewers. For each paper minimum two reviews were performed. Minimum One review by internal (VIVA TECH) reviewer and one review by external reviewers were performed. All external reviewers were highly qualified & experienced personnel with good expertise.NCRENB-2021 was held on google meet platform. All papers were finally approved by program convener Dr. Arun Kumar for uploading on VIVA-TECH IJRI

Overall Response:
Expected delegates : 207 (Registered)
Total delegates : 207(Attended)
Percentage turn out : 100%
Total Resource persons : 12
Events organized
Paper presentation - 199 papers

Feedback
Rated very high with the following notes from the delegates:

a) Good technical contents and research oriented.
b) Though creativity was there, need to be enhanced.
c) Hospitality was excellent.
d) Cooperative staff members.

Prepared By:
Prof. Archana Ingle
(NCRENB 2021, Co-Convener)
Prof.Karishma Raut
(NCRENB 2021,Coordinator)
Prof. Ameya Purandare
(NCRENB 2021 , Organizing Committee)
Prof. Meena Perla
(NCRENB 2021 , Organizing Committee)

Approved By:
Dr. Arun Kumar
(NCRENB 2021-Convener)
(Principal – VIVA Institute of Technology, Mumbai, Maharashtra)
Date: 07/05/2021
Place: VIVA-TECH, Mumbai, Maharashtra.

Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

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

Conference Report
NCRENB-2020
Conference 2020

Conference Dates : 6th & 7th March 2020
Conference Venue: VIVA Institute of Technology, Shirgaon, Virar(E), Mumbai- 401305, Maharashtra.

The role of an engineer is far reaching and beyond the vistas of human thinking and imagination. The emerging technologies of communications and computing have brought about a revolution in everyday life during the 21th century. The familiar mobile phones, CD players and fax machines are being joined by digital broadcast radio and televisions which offer more channels and much clearer sound and pictures. The application of Science and Technology (S&T) is the main agent of industrial economic and social development. Universities, Public and research institutes, industry and government have to become more closely involved and aware of the importance of co-operation with S&T to promote sustainable economic, social and industrial development.

NATIONAL CONFERENCE ON ROLE OF ENGINEERS IN NATION BUILDING 2020 (NCRENBF 2020)

The main objective of the National Conference is to advance knowledge in building sciences in general and in aspects of building and construction in particular; to solve long-range problems of the building sector through methodological research and development; to provide support in solving short-term needs in areas where its expertise is crucial; and to disseminate knowledge and transfer technology.

Topic of Interest in NCRENB 2020 are as follows:

1. Electronics and Telecommunication Engineering
2. Electrical Engineering
3. Computer Engineering
4. Mechanical Engineering
5. Civil Engineering
6. Humanities & Applied Science

NCRENB 2020 was organized in co-operation with following International & National Bodies:

1. VIVA-Tech International Journal for Research and Innovation

Conference Statistics:

Track wise Paper Statistics: Selection

Track Name	TRACK	Papers	Internal Review	CRC
Electronics & Telecommunication Engineering	EXTC	36	36	32
Electrical Engineering	ELECT	34	34	32
Computer Engineering	COMP	42	42	41
Civil Engineering	CIVIL	52	52	46
Mechanical Engineering	MECH	58	58	55
Humanities & Applied Science	HUMA	10	10	8
Total		232	232	214

Total Paper Submissions	232
Accepted Full Papers for IJCA/IIIE Digital Library	214
Total Accepted Papers	214
Acceptance Rate	92.24

Total 232 Papers were received out of which 214 Papers were accepted. The paper submission system was online managed by www.easychair.org. The papers were reviewed by a panel of internal as well as external reviewers. For each paper minimum two reviews were performed. Minimum One review by internal (VIVA TECH) reviewer and one review by external reviewers were performed. All external reviewers were highly qualified & experienced personnel with good expertise. All papers were finally approved by program convener Dr. Arun Kumar for uploading on VIVA-TECH IJRI

Key arrangements :

1. Venue arrangement :

a) Paper presentation – 4th Floor A wing

b) Project Presentation – 4th Floor B wing

c) Inaugural /Valedictory function – Seminar Hall

d) Food arrangement – 4th Floor A wing

Feedback

Rated very high with the following notes from the delegates:

a) Good technical contents and research oriented.
b) Though creativity was there, need to be enhanced.
c) Hospitality was excellent.
d) Cooperative staff members.

Prepared By:

Prof. Archana Ingle
(NCRENB 2020 – Co-Convener)
Prof. Ameya Purandare
(NCRENB-2020)

Approved By:

Dr. Arun Kumar
(NCRENB 2020 -Convener)
(Principal – VIVA Institute of Technology, Mumbai, Maharashtra)
Date: 14/03/2020
Place: VIVA-TECH, Mumbai, Maharashtra.

Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At: Shirgaon, Virar (East), Tal: Vasai, Dist: Thane-401305, Maharashtra.
Website: www.viva-technology.org

Conference Report
NCRENB-2019

Conference Dates: 1st & 2nd March 2019
Conference Venue: VIVA Institute of Technology, Shirgaon, Virar(E), Mumbai- 401303, Maharashtra.

The role of an engineer is far reaching and beyond the vistas of human thinking and imagination. The emerging technologies of communications and computing have brought about a revolution in everyday life during the 21th century. The familiar mobile phones, CD players and fax machines are being joined by digital broadcast radio and televisions which offer more channels and much clearer sound and pictures. The application of Science and Technology (S&T) is the main agent of industrial economic and social development. Universities, Public and research institutes, industry and government have to become more closely involved and aware of the importance of co-operation with S&T to promote sustainable economic, social and industrial development.

NATIONAL CONFERENCE ON ROLE OF ENGINEERS IN NATION BUILDING 2019 (NCRENBF 2019)

The main objective of the National Conference is to advance knowledge in building sciences in general, and in aspects of building and construction in particular; to solve long-range problems of the building sector through methodological research and development; to provide support in solving short-term needs in areas where its expertise is crucial; and to disseminate knowledge and transfer technology.

Topic of Interest in NCRENB 2019 are as follows:

1 Electronics and Telecommunication Engineering
2 Electrical Engineering
3 Computer Engineering
4 Mechanical Engineering
5 Civil Engineering
6 Humanities & Applied Science

NCRENB 2019 was organized in co-operation with following International & National Bodies:

1. International Journal of Engineering Research and Science , (IJOER) ISSN: 2395-6992
2. VIVA-Tech International Journal for Research and Innovation ISSN (Online): 2581-7280

Conference Statistics:

Track wise Paper Statistics: Selection

Track Name	TRACK	Papers	Internal Review	CRC
Electronics & Telecommunication Engineering	EXTC	26	26	26
Electrical Engineering	ELECT	33	33	32
Computer Engineering	COMP	53	53	52
Civil Engineering	CIVIL	50	50	49
Mechanical Engineering	MECH	70	70	67
Humanities & Applied Science	HUMA	10	10	10
Total		242	242	236

Conference Registration Statistics: Track	Total	CRC	Registered /Recovery	Non Registered
EXTC	26	26	26	-
ELECT	33	33	32	1
COMP	53	53	52	1
CIVIL	50	50	49	1
MECH	70	70	67	3
HUMA	10	10	10	-
Total	242	242	236	6

Total Paper Submissions	242
Accepted Full Papers for IJOER/ VIVA-TECH IJRI	232
Total Accepted Papers	236
Acceptance Rate	97.52

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal.: Vasai, Dist. Palghar VIRAR (EAST)

Total 242 Papers were received out of which 236 Papers were accepted. The paper submission system was online managed by www.easychair.org. The papers were reviewed by a panel of internal as well as external reviewers. For each paper minimum two reviews were performed.

Minimum One review by internal (VIVA TECH) reviewer and one review by external reviewers were performed. All external reviewers were highly qualified & experienced personnel with good expertise. All papers were finally approved by program convener Dr. Arun Kumar for uploading on IJOER and VIVA-TECH IJRI Digital Library.

Overall Response:
Expected delegates : 200 (Registered)
Total delegates : 191 (Attended)
Percentage turn out : 89%
Total Resource persons : 07
Events organized
Paper presentation - 89 papers
Project Presentation – 22 groups

Sr. No.	Events	Participants / Delegates		Resource Persons	Attendance
	Participation	**Event**	**Day 1**	**Day 2**	**Day 1 + Day 2** 03
1	Conference Presentation	108	121		04
2	Project Presentation	80	80	01	--
3	Inaugural & Valedictory Function	-	70	--	--
Total		**188**	**271**	**04**	**04**

Key arrangements :

1. Venue arrangement :
a) Paper presentation – 4th Floor A wing
b) Project Presentation – 4th Floor B wing
c) Inaugural /Valedictory function – Seminar Hall
d) Food arrangement – Ground Floor A-008

2. Registration kit/proceeding distribution – Office counter
Proceeding CD Distributed
As per record: 121

Feedback
Rated very high with the following notes from the delegates:

a) Good technical contents and research oriented.
b) Though creativity was there, need to be enhanced.
c) Hospitality was excellent.

d) Cooperative staff members.

Prepared By:
Prof. Archana Ingle
(NCRENB 2019 – Co-Convener)
Prof.Chitra Takle and Prof. Ameya Purandare
(NCRENB 2019 – Program and Registration committee)

Approved By:
Dr. Arun Kumar
(NCRENB 2019 -Convener)
(Principal – VIVA Institute of Technology, Mumbai, Maharashtra) Date: 11/03/2019
Place: VIVA-TECH, Mumbai, Maharashtra.

Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

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

Conference Report
NCRENB-2018
Conference & Project Presentation 2018

Conference Dates: 9th & 10th March 2018
Conference Venue: VIVA Institute of Technology, Shirgaon, Virar(E), Mumbai- 401305, Maharashtra.

The role of an engineer is far reaching and beyond the vistas of human thinking and imagination. The emerging technologies of communications and computing have brought about a revolution in everyday life during the 21th century. The familiar mobile phones, CD players and fax machines are being joined by digital broadcast radio and televisions which offer more channels and much clearer sound and pictures. The application of Science and Technology (S&T) is the main agent of industrial economic and social development. Universities, Public and research institutes, industry and government have to become more closely involved and aware of the importance of co-operation with S&T to promote sustainable economic, social and industrial development.

NATIONAL CONFERENCE ON ROLE OF ENGINEERS IN NATION BUILDING 2018 (NCRENBF 2018)

The main objective of the National Conference is to advance knowledge in building sciences in general and in aspects of building and construction in particular; to solve long-range problems of the building sector through methodological research and development; to provide support in solving short-term needs in areas where its expertise is crucial; and to disseminate knowledge and transfer technology.

Topic of Interest in NCRENB 2018 are as follows:

1. Electronics and Telecommunication Engineering
2. Electrical Engineering
3. Computer Engineering
4. Mechanical Engineering
5. Civil Engineering
6. Humanities & Applied Science

VIVA INSTITUTE OF TECHNOLOGY At: Shirgaon Post: Virar, Tal: Vasai, Dist. Palghar VIRAR (EAST)

5. Project Presentation (2018)

University curriculum and the practices in industry find a wide gap today. To bridge this gap, the project presentation practices can be made an integral part of engineering curriculum. To achieve this initiative through NCRENB 2018 was taken by VIVA-TECH. The current initiative will provide a platform for the students, researchers and faculty acquainted with the current trends and practices in presenting 'Project Presentation' is proposed in NCRENB 2018. The project covered wide variety of topics from various domains like Information Technology, Communication Engineering, Mechanical Engineering domains etc.

NCRENB 2018 was organized in co-operation with following International & National Bodies:

1. International Journal of Advanced Research, Ideas and Innovations in Technology (IJARIIT)
2. International Journal of Computer Application (IJCA), New York, USA

Conference Statistics:

Track Name	TRACK	Papers	CRC
Electronics & Telecommunication Engineering	EXTC	29	29
Electrical Engineering	ELECT	22	22
Computer Engineering	COMP	33	33
Civil Engineering	CIVIL	28	28
Mechanical Engineering	MECH	50	50
Humanities & Applied Science	HUMA	--	--
Total		162	162

Total 240 Papers were received out of which 162 Papers were accepted. The paper submission system was online managed by www.easychair.org. The papers were reviewed by a panel of internal as well as external reviewers. For each paper minimum two reviews were performed. Minimum One review by internal (VIVA TECH) reviewer and one review by external reviewers were performed. All external reviewers were highly qualified & experienced personnel with good expertise. All papers were finally approved by program convener Dr. Arun Kumar for uploading on IIIE and IJCA Digital Library.

Key arrangements :

1. Venue arrangement :

a) Paper presentation – 4th Floor A wing

b) Project Presentation – 4th Floor B wing

c) Inaugural /Valedictory function – Seminar Hall

d) Food arrangement – 4th Floor A wing

2. Registration kit/proceeding distribution – Office counter

Proceeding CD Distributed

As per record: 162

Feedback

Rated very high with the following notes from the delegates:

a) Good technical contents and research oriented.

b) Though creativity was there, need to be enhanced.

c) Hospitality was excellent.

d) Cooperative staff members.

Prepared By:

Prof. Archana Ingle

(NCRENB 2018 – Co-Convener)

Prof. Meena Perla

(NCRENB 2018 – Organizing Committee)

Approved By:

Dr. Arun Kumar

(NCRENB 2018 -Convener)

(Principal – VIVA Institute of Technology, Mumbai, Maharashtra)

Date: 14/03/2018

Place: VIVA-TECH, Mumbai, Maharashtra.

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)

INDEX

7. PATENTS PROOFS

पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 19/2019	शुक्रवार	दिनांक: 10/05/2019
ISSUE NO. 19/2019	FRIDAY	DATE: 10/05/2019

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

10TH MAY, 2019

CONTENTS

THE PATENT OFFICE
KOLKATA, 10/05/2019
Address of the Patent Offices/Jurisdictions

The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-

1	Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: cgpdtm@nic.in	4	The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai – 600 032. Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: chennai-patent@nic.in ❖ The States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.
2	The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in ❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli	5	The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector –V, Salt Lake City, Kolkata- 700 091 Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in ❖ Rest of India
3	The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi – 110075 Phone: (91)(11) 25300200 & 28032253 Fax: (91)(11) 28034301 & 28034302 E.mail: delhi-patent@nic.in ❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh.		

Website: www.ipindia.nic.in
www.patentoffice.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
कोलकाता, दिनांक 10/05/2019
• कार्यालयों के क्षेत्राधिकार के पते

विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए है:-

1	कार्यालय : महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फ़ैक्स: (91) (22) 24123322 ई. मेल: cgpdtm@nic.in	4	पेटेंट कार्यालय, भारत सरकार इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फ़ैक्स: (91)(44) 2250-2066 ई. मेल: chennai-patent@nic.in ❖ आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप
2	पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, फोन: (91) (22) 24137701 फ़ैक्स: (91) (22) 24130387 ई. मेल: Mumbai-patent@nic.in ❖ □गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली।	5	पेटेंट कार्यालय, भारत सरकार कोलकाता, (प्रधान कार्यालय) बौद्धिक संपदा भवन, सीपी-2, सेक्टर- V, साल्ट लेक सिटी, कोलकाता-700 091, भारत. फोन: (91)(33) 2367 1943/44/45/46/87 फ़ैक्स:/Fax: (91)(33) 2367 1988 ई. मेल: kolkata-patent@nic.in ❖ भारत का अवशेष क्षेत्र
3	पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075. फोन: (91)(11) 25300200, 28032253 फ़ैक्स: (91)(11) 28034301, 28034302 ई. मेल: delhi-patent@nic.in हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		

वेबसाइट: http://www.ipindia.nic.in
www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे।
शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

SPECIAL NOTICE

18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

SPECIAL NOTICE

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/04/2019

(21) Application No.201921015087 A
(43) Publication Date : 10/05/2019

(54) Title of the invention : DESIGN AND FABRICATION OF WASTE SEQUESTRATION GIZMO.

(51) International classification :C02F 1/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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10)VINAY VILAS NADAVADEKAR

(57) Abstract :
ABSTRACT Due to increase in population of India the consumption rate of various goods has increased so as the generation of waste increased simultaneously. In order to provide a proper waste management system we need to design a machine to sort the various waste constituents which can be further processed and recycled to reduce the waste. So to achieve such goals we are designing a waste segregator machine which is capable of separating wastes such as metals, non-metals, organic, inorganic, etc. our design strikes towards an efficient, compact and cost effective machine which is feasible for small organizations also. The design is the basic step for manufacturing of the machine if the design is proper and safe the manufacturing goes smooth. We are manufacturing the machine to obtain the goal of separating the waste which can be used by small scale as well as large scale industry effectively, which would directly add into benefit for the society. The manufacturing the machine which would be easy to operate and simple in construction. In short it would be affordable if produced in numbers.

No. of Pages : 9 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2019

(21) Application No.201921014292 A
(43) Publication Date : 10/05/2019

(54) Title of the invention : MANUFACTURING OF 3D PRINTER FILAMENT USING RECYCLED PET (POLYETHYLENE TEREPHTHALATE) BOTTLE, ALLOYED WITH PC (POLYCARBONATE)

(51) International classification	:B29C 47/00 C08L 67/00 B29B 17/00	(71)**Name of Applicant :** **1)JAISWAL SHAILESH RAMPRAVESH** Address of Applicant :A-12/302, SECTOR-2, SHANTINAGAR, MIRA ROAD (E), THANE - 401 107, MAHARASHTRA, INDIA Maharashtra India **2)GOSWAMI VIJAYBHARATHI DALPATBHARATHI**
(31) Priority Document No	:NA	**3)GADA DIPAM BIPIN**
(32) Priority Date	:NA	**4)GUPTA AJAY NANHEPRASAD**
(33) Name of priority country	:NA	**5)LAKHANI MANSI MANOJ**
(86) International Application No Filing Date	:NA :NA	**6)RAUT NIYATI NITIN** (72)**Name of Inventor :**
(87) International Publication No	: NA	**1)JAISWAL SHAILESH RAMPRAVESH**
(61) Patent of Addition to Application Number Filing Date	:NA :NA	**2)GOSWAMI VIJAYBHARATHI DALPATBHARATHI** **3)GADA DIPAM BIPIN**
(62) Divisional to Application Number Filing Date	:NA :NA	**4)GUPTA AJAY NANHEPRASAD**

(57) Abstract :
ABSTRACT: The large number of disposable bottles presently produced makes imperative the search for alternative procedures for recycling or reuse of these materials, since they are not biodegradable. As chemical processing is most often costly and sometimes aggressive to the environment, a possible solution is the recycling of such material by thermo-mechanical techniques. This project takes into consideration the thermo-mechanical recycling of post consumed plastic bottles, especially the ones made of polyethylene terephthalate (PET) and converting them into 3D Printer Filament used in an FDM based 3D Printer. To enhance the properties of polyethylene terephthalate (PET) it will be alloyed with polycarbonate (PC) and will be processed in a single screw extruder setup.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/04/2019

(21) Application No.201921015095 A
(43) Publication Date : 10/05/2019

(54) Title of the invention : DEVELOPMENT OF AUTOMATIC WRITING MACHINE USING ANDROID INTERFACE & VOICE.

(51) International classification	:G06F 17/00 G06F 19/00	(71)**Name of Applicant :** **1)MHATRE AMOGH ARVIND** Address of Applicant :ROOM NO.8, CHINTAMANI HOUSE, VAZIRA NAKA, BORIVALI (W), MUMBAI,MAHARASHTRA,INDIA, PIN CODE: 400 091 Maharashtra India **2)KADAM SOURABH MANOHAR** **3)KELVANKAR KALPIT PRASHANT** **4)RAUT VINIT DEEPAK** **5)RAUT NIYATI NITIN**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	(72)**Name of Inventor :** **1)MHATRE AMOGH ARVIND** **2)KADAM SOURABH MANOHAR** **3)KELVANKAR KALPIT PRASHANT**
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
ABSTRACT Voice recognition alongside Artificial Intelligence can help achieve greater goals in terms of automatic writing tools made available to the society. Traditional approach to writing scriptures and handwritten theses are far more replaced by machine typed material which is far more accurate and easy to analyse as well as understand. The proposed system also helps provide the same by using voice recognition and some inherent motors which will be controlled as per the voice data received from the user. Machine learning algorithms are way powerful in analysing such complex data and syncing it further with the motion of the mechanical motors to recreate the human art of writing. It will enable flawless and faster writing material which would be of greater use to one and all and short scripts and notes could be generated right away without even the need of identifying the data in the first place or lifting up the pen in the other. Keywords :- Writing Machine, Machine Learning, Voice Recognition, Android Phone, Bluetooth Module, Arduino UNO.

No. of Pages : 9 No. of Claims : 10

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KOLKATA, 22/04/2022
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2	The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in ❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli	5	The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector –V, Salt Lake City, Kolkata- 700 091 Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in ❖ Rest of India
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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/04/2021

(21) Application No.202121019101 A
(43) Publication Date : 28/05/2021

(54) Title of the invention : AN IMPROVED METHOD FOR SENTIMENT ANALYSIS USING A NOVEL APPROACH FOR CROSS DOMAIN ADAPTATION.

(51) International classification	:G06F0040300000, G06N0005020000, G06Q0040060000, H04N0019187000, G01N0021490000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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2)SHRI VILE PARLE KELAVANI MANDAL'S DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING, MUMBAI,INDIA
(72)**Name of Inventor :**
1)ASHWINI M. SAVE
2)DR. NARENDRA M. SHEKOKAR
3)DR. HARIVASUDEVAN

(57) Abstract :
Abstract; An improved method for sentiment analysis using a Novel approach for cross domain adaptation" i In an aspect of the present invention in a method for cross domain sentiment analysis, a classifier model trained on one domain is used for a different domain and it should produce satisfactory results. (Generally the cross domain sentiment analysis is carried out in a single phase. But, this might lead to i' results, which are not as desired. In a method of present invention, this task of cross domain sentiment analysis has been split into two phases. In the first phase, domain adaptation has been carried out and in the second, sentiment analysis has been performed. For the domain adaptation part, a Convolution Neural Network based system has been proposed. The proposed convolution neural network (CNN) architecture has been Jested with the standard dataset of Amazon reviews, and has been proved to be better than the baseline systems. The same CNN architecture has been taken for the proposed domains of Hotel, Movie and Mobile and it produces a respectable level of accuracy. In the second phase, Recurrent Convolution Neural Network (RCNN) is used for sentiment analysis. Here, three models were developed, one each for Mobile, Hotel and Movie domains. Even in the cross domain configuration, the RCNN architecture has produced good sentiment analysis results. Hence, a method for cross domain adaptation is accurate enough, and then the final accuracy of sentiment analysis gives best results.

No. of Pages : 26 No. of Claims : 9

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OFFICIAL JOURNAL
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निर्गमन सं. 16/2022	शुक्रवार	दिनांक: 22/04/2022
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पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

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22nd APRIL, 2022

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2	The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in ❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli	5	The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector –V, Salt Lake City, Kolkata- 700 091 Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in ❖ Rest of India
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3	पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075. फोन: (91)(11) 25300200, 28032253 फ़ैक्स: (91)(11) 28034301, 28034302 ई. मेल: delhi-patent@nic.in हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		

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(12) PATENT APPLICATION PUBLICATION
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(22) Date of filing of Application :21/03/2022

(21) Application No.202221015342 A
(43) Publication Date : 22/04/2022

(54) Title of the invention : PRINT IN PLACE COMPLIANT AUTOMOTIVE SUSPENSION SYSTEM MECHANISM

(51) International classification	:G06N0005040000, B60G0011100000, B60G0007000000, B60G0017052000, C22F0001050000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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Address of Applicant :C-202,NUTAN VINAYAK APT,CHANDANSAR,VIRAR,MAHARASHTRA,INDIA-401305 ---------- ----------

(57) Abstract :
The present disclosure relates to an embodiment f [1] of the invention PRINT IN PLACE COMPLIANT AUTOMOTIVE SUSPENSION SYSTEM MECHANISM. The embodiment [11 mounted on test apparatus as shown in FIGURE-1 and FIGURE-2 includes top mount (61, front mount [7], compliant hinge 1 [8], compliant hinge 2 [9], compliant hinge 3 [10], compliant hinge 4[11], compliant hinge 5 [12], link 2 [13], link 3 [14], trailing arm [15], a plurality of curved beams [16], curved damping beam [17] and shaft bearing cup [18]. The embodiment [1] comprises of variable spring rate mechanism further comprising of inverted pantograph mechanism wherein linkages are connected to each other using plurality of compliant hinges and a plurality of curved damping beam [17]. The embodiment [1] may be used in extra-terrestrial applications wherein earthly or Martian materials may be used for its fabrication which will ultimately lead to substantial reduction of logistical costs of conventional automotive components manufactured on the earth, thus improving feasibility of space colonization missions.

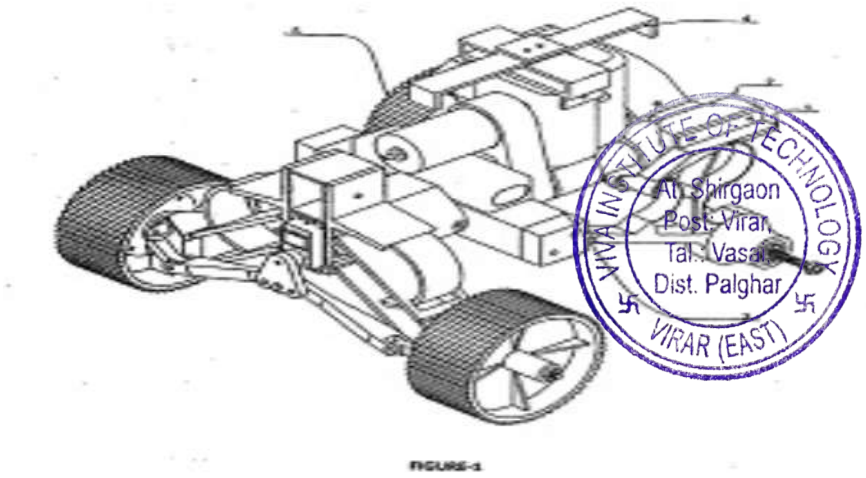

FIGURE-1

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