

# AISSMS

## **COLLEGE OF ENGINEERING**





### **Department of Chemical Engineering**

### AY 2022-23

## **Outreach Activities**

Value added Training courses on water and wastewater management were successfully completed with 141 students in 24 batches from January 3, 2022 to January 20, 2023. Participants in these courses come from a variety of backgrounds, including academia and the corporate sector. The participants included Toyam Technology, Samerath Enterprises, Avira, Sapeien Culture, and Ethix Water Conditioner Pune. The course covers effluent treatment, sewage treatment, and a dometstic RO water purifier. The training was given on the Environmental Discovery System (EDS), which was donated by VESBE in Germany. The majority of the trainees have begun their start-up projects and have also found work.

## Glimpses of activities





Chemical Engineering, AISSMSCOE, Pune





Avira Pvt. Ltd., Pune

Cours	se Name: Water and Wastewa	ter Management	
Duration: 150 H	rs		
Batch	Duration	Number of Students	
1	03-01-22 To 28-02-22	7	
2	02/03/22 To 02/05/22	4	
3	12/05/22 To 12/07/22	8	
4	12/05/22 To 12/07/22	5	
5	15/7/22 To 15/09/22	2	
6	19/9/22 To 19/11/22	6	
7	06/02/23 To 15/03/23	2	
8	03/04/23 To 10/05/23	1	
9	02/05/23 To 15/06/23	6	
10	26/06/23 To 31/07/23	6	
11	01/08/23 To 10/09/23	5	
12	03/10/23 To 09/11/23	7	
13	20/11/23 To 20/01/23	2	
Cours	se Name: Water and Wastewa Duration: 80 Hrs (Universit		
Batch	Duration	Number of Students	
1	25/11/22 To 25/12/22	10	
Cours	se Name: Water And Wastewa	ter Management	
	ration: 10 Hrs (Civil Engg Di		
Batch	Duration	Number of Students	
1	02/03/22 To 04/03/22	8	
2	07/03/222 To 09/03/22	11	
	Corporate Training	)	

1	Toyam Tecnology	3	
	24/05/22 To 25/05/22		
2	Toyam Tecnology	2	
	27/07/22 To 28/07/22		
3	Samerath Enterprises	2	
	04/08/22 To 04/08/22		
4	Avira	3	
	19/12/22 To 23/12/22		
5	Sapeien Culture	4	
	27/03/23 To 01/04/23		
6	Ethix Water Conditioner	5	
	07/08/23 TO 11/08/23		
Cour	se Name: Water And Wastewa		
	<b>Duration: 30 Hrs (BE Chemic</b>	<u> </u>	
Batch	Duration	<b>Number of Students</b>	
1	03/10/23 TO 15/10/23	32	
COURSE NA	ME: DOMESTIC RO WATER	R PURIFIER TRAINING	
DIII	COURSE		
DURATION: 30 HRS		N 1 000 1 1	
Batch	Duration	Number of Students	
1	18/09/23 To 29/09/23	6	
2	02/10/22 T 12/10/22		
2	03/10/23 To 13/10/23	2	
2	22/10/22 T 02/11/22	2	
3	23/10/23 To 03/11/23	2	

Co-ordinators

Head,

Water management Dept of Chemical Engg



College Seal Principal







# **Department Of Electrical Engineering**

# NSS ACTIVITY TRAFFIC AWARENESS AND SAFETY CAMPAIGN Report

Venue: Maldhakka Chowk, Pune

**Date: 4** th May 2023





# **NSS Activity Report**

# **Subject: Traffic awareness and Safety Campaign**

Date: 4<sup>th</sup> May 2023

Time: 10:00 am to 1:00 pm

Venue: Maldhakka Chowk, RTO Chowk, Pune

Co-ordinator: Mrs. V N Tarange

Faculty associated: Dr. A A Godbole, Dr. A A Apte, Mrs. P K Sankala from the department of

Electrical Engineering.

Total no of students participated: 50

The chronic traffic jams in Pune is well known, and the city competing in this regard internationally may not come as a surprise. The city has achieved the dubious distinction of being the sixth-most congested in the world, as per the TomTom Traffic Index Ranking 2022. On an average, a commuter takes 27 minutes and 20 seconds to cover a distance of 10 km, which is one minute and 10 seconds more as compared to the year 2021. Puneites spend 249 hours yearly on driving while 121 hours struggling in congestion. Pune is an automobile, IT and education hub. People have to deal with heavy traffic in the city's busiest areas. There are as many as 43.44 lakh vehicles in Pune registered with the Pune Regional Transport Office. The city's approximate population has reached 45 lakh and has nearly the same number of vehicles on its roads. This leads to massive jams. With the Public transport not that dependable, citizens mostly rely on their private vehicles. Pune grabbed the 6th rank and became the 2nd Indian city with the highest traffic-related issues.

Lack of long term planning and inclement conditions like heavy rainfall, inundation of arterial roads during monsoon, ongoing Pune Metro work, unrepaired poor quality roads dotted with potholes, hawkers occupying side margins, lack of dedicate parking spaces and unauthorised parking of two, four wheelers and autorickshaws continue to plague Pune's traffic as the city witnesses one of the worst traffic scenarios in the past decade.

Poor Traffic Management: Traffic police are deployed at major traffic signals and mainly they are busy in issuing challans to the offenders. They mismanagement the condition is very pathetic. Violations of Traffic Rules & Regulations: Commuters are not following the traffic rules. The main reason is breaking roadsides, narrow the roads and vehicles are not able to move smoothly. Many are parked at zebra crossings and hence the pedestrians are forced to cross the roads without using zebra crossing and sometimes meet with accidents.

Hence traffic awareness and safety becomes utmost important because due to congestion everyone is driving hurriedly and so many accidents take place daily. So, on 4<sup>th</sup> May 2023 the students from AISSMS COE Electrical Engineering Department had organized Road safety awareness campaign at RTO office traffic signal, Shivajinagar , Pune with prior permission from Pune RTO . The campaign stared at 10 AM in the morning ,the students





from class SE ,TE,BE were present for the campaign. This campaign was organised in association with National Service scheme of AISSMS College of Engineering and The institute of Engineers (India), Pune. The main aim was to have a awareness about wearing Helmet while driving and driving with economical speed, so that even if a person thrashed with other vehicle or any other obstacle then due to slow speed the intensity decreases and because of helmet head injuries are avoided, so basically the person is not in that dangerous situation which he or she could have been without helmet and with higher speed.

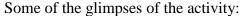
Students with banners and plycards made people aware about the safety measures, they also helped the traffic controller police present on the duty Mr. Kuchekar to control the traffic for a while.

While a complete solution to traffic congestion may not be possible, it can be managed by combining various tactics such as promoting alternate modes of transportation, enhancing public transportation, and putting traffic management strategies into place. By scheduling your trip in advance, departing earlier or later to avoid peak hour traffic, using public transit, sharing a vehicle, and biking or walking, when possible, you can lessen the effect of traffic congestion on your commute every day. The program ended with felicitation of Mr. Kuchekar (RTO Pune) with a memento.

The outcomes of the campaign are:

- 1. Students could relate with the problems on both the parties like police and common man (normally both of them have conflicts over the challans.)
- 2. Students understood that they need to follow the rules first, before asking someone else to do so.
- 3. People travelling will surely take cognizance if someone younger to them teach things feeling guilty.
- 4. Helping the society helpers gives self satisfaction and accelerates this tendency in the minds of students.

This campaign was truly a very successful drive as a social activity.

















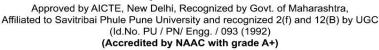




# **AISSMS**

# **COLLEGE OF ENGINEERING**





# DEPARTMENT OF MECHANICAL ENGINEERING (AY 2022-23)

# SOCIAL ACTIVITY REPORT For

"ROAD HYPONOSIS AND SAFETY AWARENESS DRIVE"

**Event Title:** Social activity on "ROAD HYPONOSIS AND SAFETY

**AWARENESS DRIVE**"

**Organized by:** Department of Mechanical Engineering, AISSMS COE, Pune.

**Date:** 26 August 2022

**Event Platform:** Offline mode Near Navale bridge Mumbai Bangalore highway

**Number of** No. of Students: 18

**Participants** No. of Faculty members: 2

Total: 20

Student Mr. Jadhav Shashwat Shivaji

**Coordinators:** 

**Faculty Coordinator:** Dr D Y Dhande

Dr C S Choudhari Dr S V Chaitanya

Chief Guest Mr Gaikwad Abhijeet, RTO Pune Vehicle Inspector, 9011167841

# Glimpses of Awareness Programme















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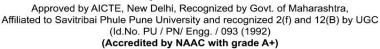
(Dr. S. V. Chaitanya) Head of Department



# **AISSMS**

# **COLLEGE OF ENGINEERING**





# DEPARTMENT OF MECHANICAL ENGINEERING (AY 2022-23)

# SOCIAL ACTIVITY REPORT For "ROAD HYPONOSIS AND SAFETY AWARENESS DRIVE"

**Event Title:** Social activity on "Awareness drive on ROAD HYPONOSIS AND

SAFETY"

**Organized by:** Department of Mechanical Engineering, AISSMS COE, Pune.

**Date:** 26 August 2022

**Event Platform:** Offline mode at Wagholi Express way

Number of No. of Students: 12
Participants No. of Faculty members: 2
Total: 14

**Student** Mr. Niranjan Jitendra Urkude, JGS

**Coordinators:** 

**Faculty Coordinator:** Dr D Y Dhande

Dr C S Choudhari Dr D S Malwad, Mr P.S Aglawe

Chief Guest Mr Gaikwad Abhijeet, RTO Pune Vehicle Inspector, 9011167841

# Glimpses of Awareness Camp











(Dr. S. V. Chaitanya) Head of Department







ज्ञानम् सकलजनहिताय Accredited by NAAC with "A+" Grade

<u>Department of Electrical Engineering in Association with</u>
<u>Institution of Engineers India (IEI) and National Service Scheme (NSS)</u>

# REPORT ON "CLEANLINESS DRIVE ACTIVITY" DATE: 26<sup>TH</sup> FEBRUARY 2022, SATURDAY VENUE: SINHGAD FORT

Date: 26th February 2022

Venue: Sinhgad Fort.

Time: 6am to 3 pm

Faculty Coordinators: Mrs. V.N. Tarange and Mrs. P.K. Sankala

Student Coordinatos: Carolyne Varghese and Ashwini Supe

Participants: Students- 34

Faculty- 2

Non-teaching staff- 2

The Electrical department in association with Institution of Engineers India (IEI) and National Service Scheme (NSS) conducted a cleanliness drive at Sinhgad fort on 26<sup>th</sup> February 2022, Saturday from 6am to 3 pm. The motive behind this activity was to be self- aware and promote a positive attitude towards healthy sanitation practices.

A college bus was provided for the activity. A quick stop was made at Khadakwasla dam for breakfast while enjoying the morning view.

The arrival to the destination was at 8 am. A small tea break was given.

The trek to the top of the fort started at 9am. The students cleaned the trek path by picking plastic and other waste while trekking up and down the fort. The trek was commemorated with a small photo session.

The drive back to the campus started at 1:30pm with a stop at Khadakwasla for a small snack.































# Online Virtual Lab Outreach Hands-On Workshop at PDEA's Baburaoji Gholap College Sangvi Pune In Association with AISSMS COE Pune



Dr. Nitin Ghorpade Principal-PDEA's Baburaoji Gholap College Sangvi Pune

**Vlab AISSMS COE Demonstration Team** 

Dr. Mrs.V.S.Kalyani (Chemistry) Mrs.R R Itkarkar (E & TC) Mrs. B A Patil( Computer)

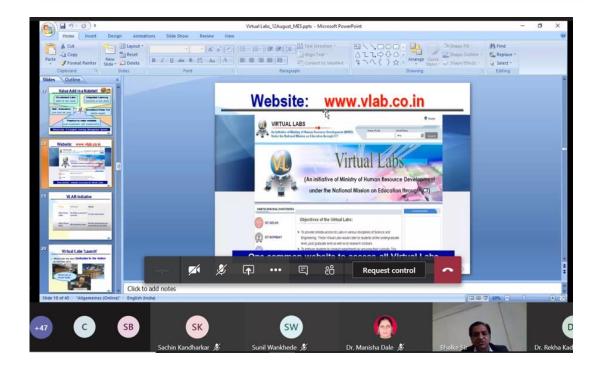


Dr. D S Bormane Principal-AISSMS COE Pune



Dr, D G Bhalke Nodal Coordinator, Vlab AISSMS COE Pune

Dr.Mrs S A Virkar (Physics) Ms. Mamta Nikam (Mathematics) Mr. P D Baviskar (Chemistry) Mr. Ravi Ghodchar (Soft Skill) Date 7<sup>th</sup> May 2021 Time: 2.00 pm to 5.00 pm













Hon. Shri. Babanrao Pachpute Vichardhara Trust's

Parikrama Group of Institutions,

College of Engineering, Kashti.

Organizes one day Online Workshop

**Under Paramarsh Scheme** 

On

"Virtual Labs: Hands-on Outreach Workshop"

Date: 18-08-2020, Time- 2.00 PM TO 5.00 PM

In Association with

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY, COLLEGE OF ENGINEERING PUNE

#### Objective of Implementing Virtual Labs -

- To provide remote-access to Labs in various disciplines of Science and Engineering, These Virtual Labs would cater to students at the UG level, PG level as well as to research scholars
- To enthuse students to conduct experiments by learning basic and advanced concepts through remote experimentation.
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including web-resources, video-lectures, animated demonstrations and self-evaluation.
- To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distances.

#### nizing Comn

Mr. M. D. Dhagate, Dean of Academics Mr. S. N. Mahadik, HOD Civil Engineering. Mr. V. C. Todkari, HOD Mechanical Engineering. Mr. S. N. Divekar, HOD E&TC Engineering. Mr. S. R. Udamle, HOD Electrical Engineering. Mr. S. B. Hiranwale, HOD Computer Engineering

#### Program Coordinators

Mrs. Archana R. Date, Head IQAC. Mrs. Surekha B. Puri, E&TC Engineering Mr. Pravin D. Gunaware, Civil Engineering Mrs. Swati P. Bhosale, First Year Engineering Mrs.. Bhagyshree Badhe, Civil Engineering

#### Nodal Center Co-Cordinators

Mr. Rahul B. Raskar, Computer Engineering Mr. Vaibhav A. Vyavahare, E&TC Engineering. Mr. Rajaram V. Shinde, Civil Engineering Mrs. Swati P. Bhosale, First Year Engineering Mr. Kiran D. Londhe, Mechanical Engineering Mr. Ghanshyam Gawali, Electrical Engineering

#### Chief Patrons

Dr. Sau, Pratibhati B. Pachpute, President, HSBPVT.Kashti. Mr. Vikramsinh B. Pachpute, Secretaty, HSBPVT, Kashti, Mr. Pratapsinh B. Pachpute, Chief Executive Officer, HSBPVT, Kashti.

Dr. Vijay N. Patil, Dr. Vijay N. Fatti, Campus Director & Principal, Parikrama GOI COE Kashti Dr. D. S. Bormane, Principal, AISSMS COE Pune. Dr. Tanaji D. Dabade, Director, MBA, Kashti, Dr. Sunil Nirmal, Principal, Pharmacy, Kashti Prof. Anil S. Pund. CAO. G.O.I. Prof. Ramesh Shinde, Principal D.Pharmacy Kashti.

Resourse Persons
Dr. Dharankar C. S., AISSMS COE Pune. Mrs. Kulkarni K. N., AISSMS COE Pune. Mr. Bidgar S. K., AISSMS COE Pune. Mrs. Itkarkar R. R., AISSMS COE Pune. Mrs. Vadi Sreerekha, AISSMS COE Pune. Mr. Kadam Anilkumar, AISSMS COE Pune. Mrs. Bhuinyan S. S., AISSMS COE Pune.

Dr. Daulappa G. Bhalke, VLAB Coordinator, AISSMS COE Pune Prof. Prashant M. Suryavanshi VLAB Coordinator, PARIKRAMA GOI COE COE Kashti

IIT KHARAGPUR IIT GUWAHATI IIT BOMBAY IIT HYDERABAD IIT MADRAS NIT KARNATAKA IIT ROORKEE IIT DELHI IIT KANPIIR AMRITA VISHWA V. DAYALBAGH E. I. COE PUNE







#### RESOURCE PERSONS







#### WORKSHOP SCHEDULE







#### Event: Virtual Labs: Hands-on Outreach Workshop

Date: 18th August 2020

Time: 2.00 pm - 5.00 pm

#### Tentative Schedule:

#### 1. Inauguration Session: Coordination by Parikrama Group of Institutes COE, Kashti Team (45 Min)

Time	Activity	Speaker		
2.00 pm	Welcome address	Coordination Team Pankrama COE, Kashti		
2.05pm to 2.15pm	Briefing about Virtual lab outreach workshop	Prof Bhalke D G Coordinator, VLAB AISSMS COE Pune		
2.15pm to 2.25pm	Concept Note about Virtual Lab	Dr. V N Patil Campus Director & Principal Pankrama COE, Kashti		
2.25pm to 2.35pm	Initiation of VLAB in SPPU Syllabus and its importance	Prof. Dr. D. S. Bormane Hon'ble Chairman-Board of Studies for 8 & TC_Savtribai Phule Pune University 8 Principal AISSMS CDE, Pune		
2.35pm to 2.45pm	Vote of thanks	Coordination Team Pankrama COE, Kashti		

#### II. Proceedings of the Workshop: Execution by AISSMS COE Team

#### Overview of the proceedings: Prof R R Itkarkar (90 Min)

Time	Activity	Speaker	
2.45pm to 3.40pm	Demonstration of Virtual Labs		
	E & TC (8 Min)	Prof. R R litkarkar	
	Electrical (8 Min)	Prof. Sreerekha Vadi	
	Engineering Mechanics (8	Prof. Shilpi Sippi	
	Min)	Prof. Kadam Anilkumar	
	Computer (8 Min)	Prof. K. N Kulkami	
	Civil (8 Min)	Dr. C.S Dharankar	
	Mechanical (8 Min)	Prof. Sandip Bidgar	
	Production (8 Min)	Vote thanks from AISSMS COE team	
		K N Kulkarni (2 min)	
3.45pm to 3.55pm	About submission of Outreach feedback (10 Min)	Prof D G Bhalke	
4.00pm to 4.20 pm	Hands-On & QA session through Google forms	AISSMSCOE team	
4:20pm	Workshop Conclusion	Dr D G Bhalke (5 min)	
4.25 pm	Vote of Thanks	Prof P M Suryawanshi Convener, Parikrama COE, Kashti	
4.30 pm Photo Session of All Participants		Parkrama COE, Kashti team (3 Min	

#### LIVE SESSION YOUTUBE - https://www.youtube.com/watch?v=AdomxW90GOQ



\* PRINCIPAL \* Dr. Kanade K. G. M.Sc. M.Phil. Ph.D. Rayat Shikshan Sanstha's

ANNASAHEB AWATE ARTS, COMMERCE, **HUTATMA BABU GENU SCIENCE COLLEGE &** SOU. KUSUMBEN KANTILAL SHAH ARTS, COMMERCE, SCIENCE JUNIOR COLLEGE Manchar, Tal. Ambegaon, Distt. Pune (Maharashtra) - 410 503.

ACCREDITED 'A' BY NAAC

Junior College No. - J11.01.001 ID. No. - PU/PN/ASC/017/1966 Junior A.I.S.H.E. - C - 41221

\* FOUNDER \*

Ref. No.

10/03/2021 Date:

The Principal, AISSMS COE, Pune - 411001

#### Subject: Letter of gratitude

Dear Sir/Madam.

On behalf of Rayat Shikshan Sanstha's Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, Manchar, I express my sincere gratitude to you for accepting our invitation for organizing Workshop on Virtual Labs in collaboration with us.

I would like to thank you for allowing the team members of Nodal Centre at AISSMS COE, Pune, to serve as Resource Persons. I world also like to extend as heartfelt gratitude to you and your team for taking the time out from your busy schedule to for guide our faculty members for VLabs on 3rd March 2021. I really appreciate the efforts of Dr. D. G. Bhalke, Dr. R. R. Itkarkar, Dr. S. A. Virkar, Dr. Kalyani, Dr. A. B. Thakare for demonstration sessions and the fact that they shared their knowledge and insight about the Virtual Labs.

Once again heartfelt gratitude to the entire team of AISSMS COE, Pune. Looking forward to many such associations.

Thanking you.

Sincerely yours,









#### GUIDANCE BY DR. V. N. PATIL SIR TO ALL PARTICIPANTS & SHARED EXPERIENCE OF VLAI

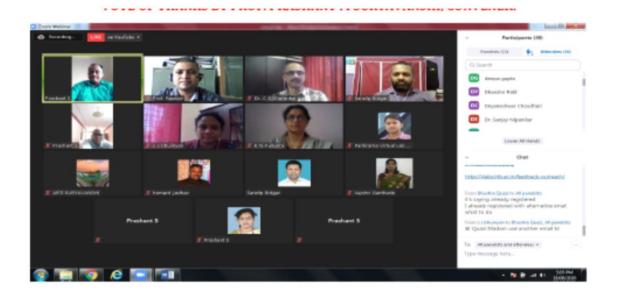


### GUIDANCE BY DR. D. S. BORMANE SIR REGARDING BENEFITS OF VIRTUAL LABS









#### Co-Cordinators Vlab Nodal Center

Mr. Rahul B. Raskar, Computer Engineering

Mr. Vaibhav A. Vyavahare, E&TC Engineering.

Mr. Rajaram V. Shinde, Civil Engineering

Mrs. Swati P. Bhosale, First Year Engineering

Mr. Kiran D. Londhe, Mechanical Engineering

Mr. Ghanshyam Gawali, Electrical Engineering

#### Convener

Dr. Daulappa G. Bhalke,

VLAB Coordinator, Nodal Center, AISSMS COE Pune

Prof. Prashant M. Suryavanshi

VLAB Coordinator, Nodal Center, PARIKRAMA GOI COE COE Kashti

### With Regards

Dr. Vijay N. Patil

Campus Director & Principal, Parikrama GOI COE Kashti

Dr. D. S. Bormane

Chariman, E&TC BOS SPPU.

Principal, AISSMS COE Pune.

THANK YOU.









ज्ञानम् सकलजनहिताय Accredited by NAAC with "A+" Grade

### **Department of Chemical Engineering**

# Jagruti 2019

The Department of Chemical Engineering and Indian Institute of Chemical Engineering (IIChE) Student's Chapter organized a Social Event 'Jagruti 2019' at Kalyan, Pune on April 04, 2019. The objective of the program was to create social awareness in the society. Students from SE, TE and BE Chemical Engineering explained the following topics to people from the village: Solar Energy, Wind Energy, Energy Saving in Houses, Rain water harvesting, Use of Fertilizers, Waste Water Treatment, Bio Gas, Agriculture related Government Schemes, Digital India and Cashless

Following students participated in this social event:

Total Students 49, Boys 38 and Girls 11 Faculty Coordinator: Pravin Tadkar

		Shubham Jadhav		Prathamesh
Abhishek Alsundekar	Sujit Ahire		Sude ganesh	Satarkar
		Kolapkar		Torkad
Adarsh Gupta	Om Giri	Shubham	Supriya Paste	Dattatrya
Chanchlani Chirag	Bhushan Thakare	Abhijit Patil	Vishakha D	Supriya S
Krishna Dangi	Parmeshwar Waghe	Somnath Pawar	Vinay N	Zade Ashok
Kamlesh Khaladkar	Akash alte	Reshnu Pillai	Atif M	
Aditya kotecha	Ashutosh Bombale	Aniket Potdar	Supriya S	
Prathmesh	Aniket Darekar	Chetan Rohida	Khetre Deepak	
Mitbhakare				
Patil Rohan	Garje Abhimanyu	Revati Thakre	Vishakha D	
Rohan Patil	Gayatri M	Sayali Pidurkar	Mayur Malusare	
	Prashant Ghodekar		Shivsagar	
Aditya Sonwani		Archana Shinde	Marathe	



Students of Chemical Engineering Department explaining various socially relevant topics to the Village peoples



Students of Chemical Engineering Department explaining various socially relevant topics to the Village peoples

Prof. PS Tadkar Event Co ordinator



Head
Head
Deptt of Chemical Engg.
AISSMS, COE, PUNE-01.