

# Civil Engineering Department Newsletter



# "CIVIL TECH" 2022-23



# ABOUT DEPARTMENT

The department of Civil Engineering was established in the year 1981 with an intake of 60 students for diploma in CIVIL ENGINEERING program under the Maharashtra State Board of Technical Education. The program has been rewarded EXCELLENT grade by the External Academic Monitoring Committee of MSBTE, Mumbai. It has a state of art equipment, spacious laboratories, highly qualified and dedicated staff and above all highly motivated students.

# The Principal's Message



I am profoundly happy that the Department of Civil Engineering release the "CIVIL TECH"- Newsletter for academic year 2022-23 enumerating the various activities and achievements of our faculty and students. A Newsletter is like a mirror which reflects the clear picture of all activities undertaken by a department.

The department offers excellent academic environment with a team of finest young and dynamic faculty members to inspire the students to develop their technical skills and overall personality. I trust that we face the challenges with full steam and vigour so that our students, the engineers of tomorrow, have a strong presence in the world of Civil engineering.

I proudly say that this Newsletter gives the motivations to all the faculty and students. I appreciate the Department of Civil Engineering for releasing "CIVIL TECH" Newsletter of Department of Civil Engineering for academic year 2022-23.

Dr. V. R. Rathi

Principal,

P. Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni

# Message from H.O.D



It gives me an immense pleasure to release the "CIVIL TECH" Newsletter of Department of Civil Engineering for academic year 2022-23 enumerating the various activities and achievements of our faculty and students. It is a great feeling to start the newsletter of a department which has such a glorious track record and which is a part of a very reputed institution. The main aim of starting this newsletter is to appreciate the efforts of our innate students and our vastly experienced faculty. Different activities like paper presentations, expert lectures, industrial visits and many more take place in the department. This newsletter highlights all the important happenings taking place in the department. Hearty thanks to our Principal for his valuable encouragement and wholehearted co-operation.

I, as a head of the department would like to thank all the faculty members, non-teaching staffs and students of Civil Engineering for their continuous support and sincere efforts for the betterment and development of department.

On this occasion, I congratulate all the team members of the editorial board for bringing up this issue in a better shape.

Mr. S. K. Gorde
H.O.D.,
Dept. of Civil Engineering

# CIVIL ENGINEERING DEPARTMENT



# VISION

To develop the rural students as skilled civil engineer to build our nation.



# MISSION

M1: To develop technical skills through trainings.

M2: To provide civil engineering skills to students through teaching and learning process.

M3: To enhance career opportunities for students through higher education, industry and entrepreneurship. .

# **Program Educational Objectives (PEOs)**

- **PEO1:** To prepare graduates to adopt technical skills to face real life problems in civil engineering field.
- **PEO2:** To understand latest civil engineering technologies that evolve construction growth through teaching learning process.
- **PEO3:** To prepare career oriented students by providing opportunities to work in construction field & higher education.

# Program Specific Objectives (PSOs)

- **PSO1:** Implement concepts of Fundamental Engineering & Construction Materials to solve Civil Engineering problems.
- **PSO2:** Planning, identifying and solving the construction site problems.
- **PSO3:** Analyze, design structural systems to achieve sustainable development in Civil Engineering work.

# 1.Paper Publication (Year 2022-23)

Sr. No.	Name of Staff	Details of Paper Published	National/ Internationa	Name of Journal	No. of Paper Published
		- u <b>F</b>	lor Other		
1	Mr. S. K. Gorde	Vol-2, Issue-1, October2022 ISSN No2581-9429 "A Experimental Study ofEarthquake Resistant Building"	International Journal	International Journalof Advance Researchin Science, Communication & Technology (IJARSCT)	01
2	Mr. S. K. Gorde	Vol-7, Issue-5, May 2023ISSN No2582- 3930 Impact Factor-8.176 "Case Study of Earthquake Resistant Buildings"	International Journal	International Journal of Scientific Research in Engineering & Management (IJSREM)	01
3	Mr. G. P. Walhekar	Vol-2, Issue-1, October2022 ISSN No2581-9429 "A Experimental Study ofEarthquake Resistant Building"	International Journal	International Journalof Advance Researchin Science, Communication & Technology (IJARSCT)	01
4	Mr. G. P. Walhekar	Vol-7, Issue-5, May 2023ISSN No2582- 3930 Impact Factor-8.176 "Case Study of EarthquakeResistant Buildings"	International Journal	International Journal of Scientific Research in Engineering & Management (IJSREM)	01
5	Ms. V. S. Mhaske	Vol-7, Issue-2, February2023 ISSN No2582-3930 Impact Factor-7.185 "Use of Marble Dust in Concrete"	International Journal	International Journal of Scientific Research in Engineering & Management (IJSREM)	01
6	Mr. V. S. Mhaske	Vol-9, Issue-3 2023 ISSN(0)-2395-4396 "Solar Power GenerationSystem	International Journal	International Journalof Advance Researchand Innovative IdeasIn Education (IJARIIE)	01

		Using Seven Level Inverter"			
7	Ms. P. A. Vikhe	Vol-7, Issue-2, February 2023 ISSN No2582-3930 Impact Factor-7.185 "Use of Marble Dust in Concrete"	International Journal	International Journal of Scientific Research in Engineering & Management (IJSREM)	01
8	Ms. P. A. Vikhe	Vol-9, Issue-3 2023 ISSN(O)-2395-4396 "Solar Power Generation System Using Seven Level Inverter"	International Journal	International Journalof Advance Researchand Innovative IdeasIn Education (IJARIIE)	01
9	Mrs. N. R. Kadu	Vol-7, Issue-2, February2023 ISSN No2582-3930 Impact Factor-7.185 "Use of Marble Dust in Concrete"	International Journal	International Journal of Scientifi cResearch in Engineering & Management (IJSREM)	01
10	Mrs. N. R. Kadu	Vol-9, Issue-3 2023 ISSN(0)-2395-4396 "Solar Power GenerationSystem Using Seven Level Inverter"	International Journal	International Journalof Advance Researchand Innovative IdeasIn Education (IJARIIE)	01
11	Mr. R. D. Vikhe	Vol-2, Issue-1, October2022 ISSN No2581-9429 "A Experimental Study of Earthquake Resistant Building"	International Journal	International Journalof Advance Researchin Science, Communication & Technology (IJARSCT)	01
12	Mr. R. D. Vikhe	Vol-7, Issue-5, May 2023ISSN No2582- 3930 Impact Factor-8.176 "Case Study of Earthquake Resistant Buildings"	International Journal	International Journal of Scientifi cResearch in Engineering & Management (IJSREM)	01

# INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, COMMUNICATION AND TECHNOLOGY





INTERNATIONAL STANDARD SERIAL NUMBER ISSN NO: 2581-9429

THIS IS TO CERTIFY THAT

Prof. S. K. Gorde

P. Dr. V. Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni, Pravara
HAS PUBLISHED A RESEARCH PAPER ENTITLED

A Experimental Study of Earthquake Resistant Building
IN IJARSCT, VOLUME 2, ISSUE 1, OCTOBER 2022

Certificate No: 102022-A125 www.ijarsct.co.in







www.ijarsct.co.in

DOI: 10.55041/IJSREM22332





ISSN: 2582-3930

Impact Factor: 8.176

INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING & MANAGEMENT
An Open Access Scholarly Journal || Index in major Databases & Metadata

### CERTIFICATE OF PUBLICATION

International Journal of Scientific Research in Engineering & Management is hereby awarding this certificate to

Prof. S.K. Gorde

in recognizaton to the publication of paper titled

### Case Study of Earthquake Resistant Building

published in IJSREM Journal on Volume 07 Issue 05 May, 2023

Editor-in-Chief USREM Journal

www.ijsrem.com

ijsremjournal@gmail.com

## INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, COMMUNICATION AND TECHNOLOGY





INTERNATIONAL STANDARD SERIAL NUMBER ISSN NO: 2581-9429

THIS IS TO CERTIFY THAT

Prof. G. P. Walhekar

P. Dr. V. Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni, Pravara HAS PUBLISHED A RESEARCH PAPER ENTITLED

A Experimental Study of Earthquake Resistant Building

IN IJARSCT, VOLUME 2, ISSUE 1, OCTOBER 2022

Certificate No: 102022-A126 www.ijarsct.co.in







DOI: 10.55041/IJSREM22332





ISSN: 2582-3930 Impact Factor: 8.176

INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING & MANAGEMENT

An Open Access Scholarly Journal | Index in major Databases & Metadata

### CERTIFICATE OF PUBLICATION

International Journal of Scientific Research in Engineering & Management is hereby awarding this certificate to

### Prof. G. P. Walhekar

in recognizaton to the publication of paper titled

# Case Study of Earthquake Resistant Building

published in IJSREM Journal on Volume 07 Issue 05 May, 2023

Editor-in-Chief IJSREM Journal

ijsremjournal@gmail.com

www.ijsrem.com





ISSN: 2582-3930

Impact Factor: 7.185

INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING & MANAGEMENT An Open Access Scholarly Journal | Index in major Databases & Metadata

### **CERTIFICATE OF PUBLICATION**

International Journal of Scientific Research in Engineering & Management is hereby awarding this certificate to

### Vaishali Mhaske

in recognizaton to the publication of paper titled

### Use of Marble Dust in Concrete

published in IJSREM Journal on Volume 07 Issue 02 February, 2023

Editor-in-Chief IJSREM Journal

ijsremjournal@gmail.com

www.iisrem.com

# INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION



The Board of International Journal of Advance Research and Innovative Ideas in Education is hereby Awarding this Certificate to

VAISHALI SOMNATH MHASKE

In Recognition of the Publication of the Paper Entitled

SOLAR POWER GENERATION SYSTEM USING SEVEN LEVEL INVERTER

Published in E-Journal

Volume-9 Issue-3 2023



Paper Id: 20310 ISSN(O): 2395-4396

www.ijariie.com







ISSN: 2582-3930

Impact Factor: 7.185

### INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING & MANAGEMENT

An Open Access Scholarly Journal | Index in major Databases & Metadata

### CERTIFICATE OF PUBLICATION

International Journal of Scientific Research in Engineering & Management is hereby awarding this certificate to

### Pooja.A. Vikhe

in recognizaton to the publication of paper titled

### Use of Marble Dust in Concrete

published in IJSREM Journal on Volume 07 Issue 02 February, 2023

www.ijsrem.com

Editor-in-Chief IJSREM Journal

ijsremjournal@gmail.com



# INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION

# CERTIFICATE



### **PUBLICATION**

The Board of International Journal of Advance Research and Innovative Ideas in Education is hereby Awarding this Certificate to

POOJA ANNASAHEB VIKHE

In Recognition of the Publication of the Paper Entitled

SOLAR POWER GENERATION SYSTEM USING SEVEN LEVEL INVERTER

Published in E-Journal

Volume-9 Issue-3 2023



Paper Id: 20310 ISSN(O): 2395-4396



www.ijariie.com







ISSN: 2582-3930

Impact Factor: 7.185

INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING & MANAGEMENT

An Open Access Scholarly Journal | Index in major Databases & Metadata

### CERTIFICATE OF PUBLICATION

International Journal of Scientific Research in Engineering & Management is hereby awarding this certificate to

### Nikita Kadu

in recognizaton to the publication of paper titled

### Use of Marble Dust in Concrete

published in IJSREM Journal on Volume 07 Issue 02 February, 2023

www.ijsrem.com

Editor-in-Chief IJSREM Journal

ijsremjournal@gmail.com



# INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION

# CERTIFICATE



The Board of International Journal of Advance Research and Innovative Ideas in Education is hereby Awarding this Certificate to

NIKITA RAHUL KADU

In Recognition of the Publication of the Paper Entitled

SOLAR POWER GENERATION SYSTEM USING SEVEN LEVEL INVERTER

Published in E-Journal

Volume-9 Issue-3 2023



Paper Id: 20310

ISSN(O): 2395-4396



www.ijariie.com





# INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, COMMUNICATION AND TECHNOLOGY





INTERNATIONAL STANDARD SERIAL NUMBER ISSN NO: 2581-9429

THIS IS TO CERTIFY THAT

Prof. R. D. Vikhe

P. Dr. V. Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni, Pravara

HAS PUBLISHED A RESEARCH PAPER ENTITLED

A Experimental Study of Earthquake Resistant Building

IN IJARSCT, VOLUME 2, ISSUE 1, OCTOBER 2022

Certificate No: 102022-A127 www.ijarsct.co.in







DOI: 10.55041/IJSREM22332





ISSN: 2582-3930

**Impact Factor: 8.176** 

INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING & MANAGEMENT
An Open Access Scholarly Journal || Index in major Databases & Metadata

# CERTIFICATE OF PUBLICATION

International Journal of Scientific Research in Engineering & Management is hereby awarding this certificate to

### Prof. R D. Vikhe

in recognizaton to the publication of paper titled

# Case Study of Earthquake Resistant Building

published in IJSREM Journal on Volume 07 Issue 05 May, 2023

Editor-in-Chief IJSREM Journal

www.ijsrem.com

ijsremjournal@gmail.com

# 2. Students undergone internship/industrial training

Sr. No.	Name of Company	No. of students	MOU with the company (Yes/No)	Name of Person (If signed MOU)
1	Sai Avdhut Construction, Shirdi	09	Yes	Mr. Dadasaheb Game (Alumus Batch 2021)
2	Jagtap Construction, Kolhar	02	No	-
3	Vastushilp Associates and Constructions, Rahuri	02	Yes	Mr. Sanket Rokade (Alumnus Batch 2012)
4	Vaibhav B. Kadu, Govt. Contractor Pathare	02	No	-
5	Shaikh Brothers, Rahuri	02	No	-
6	Landmark Consultant Rahuri Factory, Rahuri	01	Yes	Mr. Mayur Musmade
7	Udage Constructions, Gangapur	01	Yes	Mr. Aditya Udage (Alumnus Batch 2022)
8	GHV, India Private Limited, Andheri East	01	No	-
9	Mr. Samrat A. Tavrej, Sangamner	01	No	-
10	Fluxcon Infratech Pvt. Ltd., Pune	01	No	-
11	Mr. Mutha Constructions, Pune	01	No	-
12	Vivekanand Buildcon, Ahmednagar	01	No	-
13	Raj Road Builders, Sangamner	01	No	-
14	Mauli Construction, Loni	01	No	-
15	AS Construction, Kolhar	01	No	-
16	Shree. Nandkishor Unhale Ssahyogi, Shrirampur	01	No	-
17	Instant Engineering Pvt. Ltd., Sangamner	01	No	-
18	Manohar Construction, Nashik	01	No	-

# 3. PLACEMENTS

Sr. No.	Name of Company	2022-23	Alumni Involvement (Yes/No)	Name of the Alumni
1	Toyo Engineering India Pvt. Ltd., Mumbai 400 042.	01 (Selected)	No	-
2	Arcelor Mittal Nippon Steel India, Sanaswadi, Maharashtra 412208	02 (Selected)	No	-
3	S M Polymers & Parmhans Consultancy Services Pvt. Ltd., Thane	01 (Selected) + 03 (Shortlisted)	Yes	Mr. Manoj Patil, Chemical Engg. Dept., (Batch: 2003)
4	Laxmi Civil Engineering Services Pvt. Ltd., Kolhapur	08	No	-
5	Landmark Consultants Pvt. Ltd., Shri Shivajinagar, Rahuri Email ID: mpmusmade@gmail.com Contact no: +91 9970389238	01 (Selected)	No	

# 4. Alumni Details

Total No.of alumni	Real- time alumni	International Alumni (Real time data)	National Alumni(Real time data)	Alumni as Entrepreneur
1803	1298	04	1294	251

# 5. Alumni Contribution

Academic Year	Industrial Visit	Expert Lecture	Placement	0	0,	Alumni Visited
2020-21		-	03	06	00	15
2021-22	00	03	02	04	07	26
2022-23	02	02	04	02	13	21

# 6. Glance at the Major Activities Carried Out in 2022-23

Sr. No.	Activity	Details
1.	Tree Plantation Program	15 <sup>th</sup> Sept. 2022
2.	Industrial Visit to study various Govt. Schemes, Lohare Kasare	10 <sup>th</sup> October 2022
3.	Industrial Visit to PMT's Water & Sewage Treatment Plants, Loni	13 <sup>th</sup> December 2022
4.	Organized "One Day Entrepreneurship Awareness Program (EAP)"	20 <sup>th</sup> February 2023
5.	Workshop on "Soft Skills & Communication" by CUSUCCEED: 20/02/23 to 24/02/23 – First Year 13/02/23 to 17/02/23 – Second Year 25/02/23 to 02/03/23 – Third Year	130
6.	Expert talk on "Petroleum pipelines" by Alumnus Er. Manoj Shingote	23 <sup>rd</sup> February 2023
7.	Organized cultural program "DARPAN 2K23" – Annual Social Gathering	04 March 2023
8.	Expert talk on "Concrete Technology" by Alumnus Er. Ajay Aher	26 <sup>th</sup> March 2023
9.	Online One Week FDP on "Smart Engineering Materials"	10 <sup>th</sup> to 15 <sup>th</sup> April 2023
10.	Industrial Visit to Gargoti Museum, Nasik	17 <sup>th</sup> April 2023
11.	Internship	All Second Year Students
12.	Attendance of FDP/Workshop/Training program of one week or above	2/per faculty

# 7. Information of staff attended International/ National/ State Level FDP/FDTP

Sr.	Name of Staff	Name of Conference /	Organized	Date
No.		Seminar / Workshop	Ву-	
1.	Mr. S. K. Gorde	Training Program-National Level - "National Intellectual Property Awareness Mission (One Day)	NIPAM, New Delhi	30 <sup>th</sup> July, 2022
2.	Mr. G. P. Walhekar	Training Program-National Level - "National Intellectual Property Awareness Mission (One Day)	NIPAM, New Delhi	30 <sup>th</sup> July, 2022
3.	Ms. P. A. Vikhe	Training Program-National Level - "National Intellectual Property Awareness Mission (One Day)	NIPAM, New Delhi	30 <sup>th</sup> July, 2022
4.	Mr. R. D. Vikhe	Training Program-National Level - "National Intellectual Property Awareness Mission	NIPAM, New Delhi	30 <sup>th</sup> July, 2022
5.	Ms. P. A. Vikhe	FDP- National Level "Outcome Based Education" (Two Days)	SRES's Sanjivani K. B. P. Polytechnic, Kopargaon	28 Nov., 2022 to 29 <sup>th</sup> Nov., 2022
6.	Mrs. N. R. Kadu	FDP- National Level "Emerging Trends in Sustainable Engineering" (Two Days)	Brahmdevdada Mane Polytechnic, Belati, Solapur	16 <sup>th</sup> Dec., 2022 to 17 <sup>th</sup> Dec., 2022
7.	Mrs. N. R. Kadu	FDP- International Level "Data Science using Machine Learning" (Five Days)	Pravara Rural Engineering College in collaboration with ExcelR	2 <sup>nd</sup> Jan., 2023 to 6 <sup>th</sup> Jan., 2023
8.	Mr. S. K. Gorde	FDP- National Level "Journey of concrete from Waste to Best: Special focus on mix proportioning of Geopolymer Concrete" (One Week)	SRES's Sanjivani K. B. P. Polytechnic, Kopargaon	2 <sup>nd</sup> Feb., 2023 to 7 <sup>th</sup> Feb., 2023
9.	Mr. G. P. Walhekar	FDP- National Level "Journey of concrete from Waste to Best: Special focuson mix proportioning of Geopolymer Concrete" (One Week)	SRES's Sanjivani K. B. P. Polytechnic, Kopargaon	2 <sup>nd</sup> Feb., 2023 to 7 <sup>th</sup> Feb., 2023
10.	Mr. S. K. Gorde	FDP- National Level "Novel Technology for Environment & Energy Sustainability" (Five Days)	Chemical Engg. Dept., P. Dr. V. V. P. I. of T. & E. (Polytechnic), Loni	20 <sup>th</sup> Feb., 2023 to 25 <sup>th</sup> Feb., 2023

11.		FDP- State Level "Novel	Chemical Engg. Dept.,	20 <sup>th</sup> Feb., 2023
11.	Mr. G. P. Walhekar	Technology for	P. Dr. V. V. P. I. of T.	to
		Environment & Energy	&	25 <sup>th</sup> Feb., 2023
		Sustainability" (Five Days)	E. (Polytechnic), Loni	
12.		FDP- State Level "Novel	Chemical Engg. Dept.,	20 <sup>th</sup> Feb., 2023
12.	Ms. V. S. Mhaske	Technology for	P. Dr. V. V. P. I. of T.	to
		Environment & Energy	&	25 <sup>th</sup> Feb., 2023
		Sustainability" (Five Days)	E. (Polytechnic), Loni	
13.	Mrs. N. R. Kadu	FDP- State Level "Novel	Chemical Engg. Dept.,	20 <sup>th</sup> Feb., 2023
13.		Technology for	P. Dr. V. V. P. I. of T.	to
		Environment & Energy	&	25 <sup>th</sup> Feb., 2023
		Sustainability" (Five Days)	E. (Polytechnic), Loni	
14.	Mr. R. D. Vikhe	FDP- State Level "Novel	Chemical Engg. Dept.,	20 <sup>th</sup> Feb., 2023
1 1.		Technology for	P. Dr. V. V. P. I. of T.	to
		Environment & Energy	&	25 <sup>th</sup> Feb., 2023
		Sustainability" (Five Days)	E. (Polytechnic), Loni	
15.	Mr. S. K. Gorde	FDP- State Level	Civil Engg. Dept.,	10 <sup>th</sup> to 15 <sup>th</sup>
10.		"Smart Engineering	P. Dr. V. V. P. I. of T.	April2023
		Materials"	&	
	M C D W 11 1		E. (Polytechnic), Loni	a a
16.	Mr. G. P. Walhekar	FDP- State Level	Civil Engg. Dept.,	10 <sup>th</sup> to 15 <sup>th</sup>
		"Smart Engineering	P. Dr. V. V. P. I. of T.	April2023
		Materials"	& E (Dolytochnic) Loni	
	Ms. V. S. Mhaske	FDP- State Level	E. (Polytechnic), Loni Civil Engg. Dept.,	10 <sup>th</sup> to 15 <sup>th</sup>
17.	IVIS. V. S. IVIIIASKE	"Smart Engineering	P. Dr. V. V. P. I. of T.	
		Materials"	& &	April2023
		Witterfals	E. (Polytechnic), Loni	
1.6	Ms. P. A. Vikhe	FDP- State Level	Civil Engg. Dept.,	10 <sup>th</sup> to 15 <sup>th</sup>
18.		"Smart Engineering	P. Dr. V. V. P. I. of T.	April 2023
		Materials"	&	Aprii 2023
			E. (Polytechnic), Loni	
10	Mrs. N. R. Kadu	FDP- State Level	Civil Engg. Dept.,	10 <sup>th</sup> to 15 <sup>th</sup>
19.		"Smart Engineering	P. Dr. V. V. P. I. of T.	April 2023
		Materials"	&	7 ipi112023
			E. (Polytechnic), Loni	
20.	Mr. R. D. Vikhe	FDP- State Level	Civil Engg. Dept.,	10 <sup>th</sup> to 15 <sup>th</sup>
20.		"Smart Engineering	P. Dr. V. V. P. I. of T.	April2023
		Materials"	&	1
			E. (Polytechnic), Loni	

# 8. Information of staff attended International/ National/State Level Conference/Seminar/Workshop

Sr.Name of StaffName of Conference / Seminar / WorkshopOrganized By-Mr. S. K. GordeWorkshop- Workshop-NITTTR, Chandigarh	15 <sup>th</sup> Feb., 2023
Mr. S. K. Gorde Workshop- NITTTR, Chandigarh	15 <sup>th</sup> Feb., 2023
1 7	
1. "Engineering	to
Materials Design &	17 <sup>th</sup> Feb., 2023
Simulations"	, , , , , , , , , , , , , , , , , , , ,
Mr. G. P. Walhekar Workshop- NITTTR, Chandigarh	15 <sup>th</sup> Feb., 2023
2. "Engineering	to
Materials Design &	17 <sup>th</sup> Feb., 2023
Simulations"	41
Ms. V. S. Mhaske Workshop- NITTTR, Chandigarh	15 <sup>th</sup> Feb., 2023
3. "Engineering	to
Materials Design &	17 <sup>th</sup> Feb., 2023
Ms. P. A. Vikhe Workshop- NITTTR, Chandigarh	15 <sup>th</sup> Feb., 2023
4. "Engineering	to
Materials Design &	17 <sup>th</sup> Feb., 2023
Simulations"	,
Mrs. N. R. Kadu Workshop- NITTTR, Chandigarh	15 <sup>th</sup> Feb., 2023
5. "Engineering	to
	17 <sup>th</sup> Feb., 2023
Simulations"	
Ms. V. S. Mhaske Workshop- AutoCAD 2D Learn Delta Institute,	26 <sup>th</sup> Feb, 2023
6. Pune Mrs. N. R. Kadu Workshop- AutoCAD 2D Learn Delta Institute,	acth F. L. 2022
Mrs. N. R. Kadu Workshop- AutoCAD 2D Learn Delta Institute, 7. Pune	26 <sup>th</sup> Feb, 2023
	1st 3.6 1 2022
Ms. P. A. Vikhe Workshop- AutoCAD 2D Learn Delta Institute, Pune	1 <sup>st</sup> March 2023
Ms. V. S. Mhaske Workshop- Chemical Engg. Dept.,	10 <sup>th</sup> & 11 <sup>th</sup>
9. "Entrepreneursh P. Dr. V. V. P. I. of T. &	March 2023
ip E. (Polytechnic), Loni	Water 2023
Development''	
10. Mrs. N. R. Kadu Workshop- PREC, Loni	19 <sup>th</sup> to 21 <sup>st</sup>
"Recent	April2023
Advancements in	
Robotics"  May V. S. Mhaelta, National Conference, Shri Chhatagasti Shiyaii	a of the second
11. Ms. V. S. Mhaske National Conference-Shri Chhatrapati Shivaji Maharaj College of	25 <sup>th</sup> April 2023
Conference in Engineering,	
Innovations & Ahmednagar	
Inventions	
in Science & Technology"	

12.	Ms. P. A. Vikhe	National Conference- "1stNational Conference in Innovations &	Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar	25 <sup>th</sup> April 2023
13.	Mrs. N. R. Kadu	Inventions in Science & Technology" National Conference-	Shri Chhatrapati Shivaji	25 <sup>th</sup> April 2023
13.		"1 <sup>st</sup> National Conference in Innovations &	Maharaj College of Engineering, Ahmednagar	1
		Inventions in Science & Technology"		

# 9. International/National/State Level Conference/Seminar/Workshop/FDP organized by department

Name of Dept.	International/ National/ State Level Conference / Seminar / Workshop Details	Date/D uration	No. of Beneficiaries
Civil Engg.	One Week State Level Online FDP on "Smart Engineering Materials"	10 <sup>th</sup> April 2023 to 15 <sup>th</sup> April 2023	230 (Faculty)

# 10. International Alumni

Sr. No.	Name of Alumni	Designation	Name of Company & Country	
1	Er. Gambhir Manoj	Assistant General Manager	Jindal Shadeed Iron & Steel Company, Oman, Gulf	
2	Er. Marakkath Suvish	Procurement Engineer	Bloom Landscape LLC, Abu Dhabi, UAE	
3	Er. Sabale Bharat	Construction Manager	Nass Corporation W.L.L., Bahrain, UAE	
4	Er. Akshay Kumavat	Fire Safety Officer	Qatar Engineering & Construction Co. WLL, Doha, Qatar	

# TRAINING PROGRAM FOR STUDENTS

5 Day Workshop on "Soft Skills & Communication" was organized for FY, SY & TY students and was conducted by CUSUCCEED, Pune.









# Entrepreneurship Awareness Program

"One Day Entrepreneurship Awareness Program (EAP)" was organized for FY, SY & TY students &was conducted and certified by MSME Technology Centre, Indo German Tool Room, Sambhajinagar on 20th February 2023.









## One Day Entrepreneurship Awareness Camp -List of benefitted Students

Sr. No.	Name of Student	Class	Gender
1.	Lohale Komal Lahanu	SY CE	Female
2.	Ohol Karan Raosaheb	SY CE	Male
3.	Waydande Pratik Rajendra	SY CE	Male
4.	Palande Aniket Pramod	TY CE	Male
5.	Palande Nikhil Rajendra	TY CE	Male
6.	Soundankar Prachi Nindkishor	TY CE	Female
7.	Thorat Shubham Sampat	TY CE	Male

Sr. No.: 80689 Roll No: - 202301178554



# MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD



(A Government of India Society, Ministry of MSME)

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018 CERTIFIED TOOL ROOM & TRAINING CENTRE

# CERTIFICATE

This is to certify that

# Ms. LOHALE KOMAL LAHANU

has attended Training Programme on

"Entrepreneurship Awareness Programme (EAP)"

held on 20 February 2023

at Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering Polytechnic, Loni

Place: Aurangabad

Dated: 20 February 2023

P-78255 / T22140372



Sr. No.: 80729 Roll No: - 202301178552



# MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD



(A Government of India Society, Ministry of MSME)

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018 CERTIFIED TOOL ROOM & TRAINING CENTRE

# CERTIFICATE

This is to certify that

# Mr. OHOL KARAN RAOSAHEB

has attended Training Programme on

# "Entrepreneurship Awareness Programme (EAP)"

# held on 20 February 2023

at Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering Polytechnic, Loni

(Sponsored by Ministry of Micro, Small and Medium Enterprises, Government of India)

Place: Aurangabad

Dated: 20 February 2023

P-78255 / T22140357



Sr. No.: 80731

Roll No: - 202301178555



# MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD



(A Government of India Society, Ministry of MSME)

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018 CERTIFIED TOOL ROOM & TRAINING CENTRE

# CERTIFICATE

This is to certify that

# Mr. WAYDANDE PRATIK RAJENDRA

has attended Training Programme on

"Entrepreneurship Awareness Programme (EAP)"

# held on 20 February 2023

at Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering Polytechnic, Loni

(Sponsored by Ministry of Micro, Small and Medium Enterprises, Government of India)

Place: Aurangabad

Dated: 20 February 2023

P-78255 / T22140381



Sr. No.: 80747 Roll No: - 202301178572



# MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD



(A Government of India Society, Ministry of MSME)

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018 CERTIFIED TOOL ROOM & TRAINING CENTRE

# CERTIFICATE

This is to certify that

# Mr. PALANDE ANIKET PRAMOD

has attended Training Programme on

"Entrepreneurship Awareness Programme (EAP)"

# held on 20 February 2023

at Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering Polytechnic, Loni

(Sponsored by Ministry of Micro, Small and Medium Enterprises, Government of India)

(Cu)

Place: Aurangabad

Dated: 20 February 2023

P-78255 / T22140808

Sr. No.: 80746 Roll No: - 202301178571



# MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD



(A Government of India Society, Ministry of MSME)

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018

### CERTIFICATE

## This is to certify that

## Mr. PALANDE NIKHIL RAJENDRA

has attended Training Programme on

"Entrepreneurship Awareness Programme (EAP)"

### held on 20 February 2023

at Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering Polytechnic, Loni

(Sponsored by Ministry of Micro, Small and Medium Enterprises, Government of India)

Place: Aurangabad Dated: 20 February 2023 P-78255 / T22140795

P - 31, M.I.D.C. Industrial Area, Chikalthana, Aurangabad 431006 (M.S.)

Website: www.igtr-aur.org

Sr. No.: 80735 Roll No: - 202301178560



# MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD



(A Government of India Society, Ministry of MSME)

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018 CERTIFIED TOOL ROOM & TRAINING CENTRE

# CERTIFICATE

This is to certify that

# Ms. SOUNDANKAR PRACHI NANDKISHOR

has attended Training Programme on

"Entrepreneurship Awareness Programme (EAP)"

# held on 20 February 2023

at Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering Polytechnic,

(Sponsored by Ministry of Micro, Small and Medium Enterprises, Government of India)

Place: Aurangabad

Dated: 20 February 2023

P-78255 / T22140693



Sr. No.: 80736 Roll No: - 202301178561



# MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD

(A Government of India Society, Ministry of MSME)



AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018 CERTIFIED TOOL ROOM & TRAINING CENTRE

# CERTIFICATE

This is to certify that

# Mr. THORAT SHUBHAM SAMPAT

has attended Training Programme on

"Entrepreneurship Awareness Programme (EAP)"

# held on 20 February 2023

at Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering Polytechnic,

(Sponsored by Ministry of Micro, Small and Medium Enterprises, Government of India)

Place: Aurangabad

Dated: 20 February 2023

P-78255 / T22140694



# **CELEBRATION OF TEACHER'S DAY**

Teachers Day was celebrated with great enthusiasm by the students of Civil Engineering Department in the memory of Birth Anniversary of Dr. Sarvepalli Radhakrishnan on  $5^{th}$  Sept., 2022.





 $\frac{SOCIAL\ ACTIVITY}{\text{Celebration of Engineer's Day in the memory of Dr. Mokshagundam Visvesvaraya, TREE}}$ PLANTATION program was conducted by Civil Engineering Department, Padmashri Dr. VitthalraoVikhe Patil Institute of Technology & Engineering (Polytechnic), Loni on 15th Sept., 2022.





# **SITE VISITS**

Students of Third Year Civil Engineering Department visited few Government schemes like Watershedmanagement viz. Contour bunding and K.T. weir in rural area at Lohare Kasare on 10.10.2022





# Students of our Third Year Civil Engineering Department visited a Biogas Plant of Bhaskar Hostel, Loni and a R.C.C building construction site of PREC, Loni on 15.11.2022





# Students of our Third Year Civil Engineering Department visited a Sewage Treatment Plant & Water Treatment Plant at Pravara Medical Trust, Loni on 13.12.2022



Visit of TYCE to Sewage Treatment Plant, PMT, Loni



Visit of TYCE to Water Treatment Plant, PMT, Loni

# Students of SYCE & TYCE visited Gargoti Museum at Nasik on 17th April 2023 to study different properties of stones & rocks







## **EXTRA CURRICULAR ACTIVITY**

Students of SYCE-Sushant Gade, Suraj Ghadge, Prasad Joshi, Pratik Waydande & Sanket Lohar have participated in CAD-Strife competition organized by Department of Structural Engineering of Sanjivani College of Engineering, Kopargaon during 18th April to 19th April 2023







Sanjivani Rural Education Society's

#### Sanjivani College of EngineeringKopargaon



(An Autonomous Institute)
d to Savitribal Phule Pune University, Accredited 'A' Grade by NAAC, Accredited by NBA, Accredited by IEI
Website: www.sanjivanicoe.org.in, Email: principalcoe@sanjivani.org.in, Ph. No.: (+91)9130191301

#### Structural Convention 2023

#### CERTIFICATE

This is to certify that, Mr./Miss. Ceade Sushant

of Dr. V.V. Patil College of poly, Loni has participated / 1st winner / 2nd Winner, in CAD-Strife / My Green Space / प्रकल्प competition organized by Department of Structural Engineering, Sanjivani College of Engineering, Kopargaon, Dist. Ahmednagar, Maharashtra) during 18th April 2023 to 19th April 2023.

Dr. A. G.Thakur



Sanjivani Rural Education Society's

#### Sanjivani College of EngineeringKopargaon



(An Autonomous Institute)
ed to Savitribai Phule Pune University, Accredited 'A' Grade by NAAC, Accredited by NBA, Accredited by IEI
Website: ww.sanjivanicoe.org.in, Email: principalcoe@sanjivani.org.in, Ph. No.: (+91)

#### Structural Convention 2023

#### CERTIFICATE

This is to certify that, Mr./Miss. Cahadge Suraj

of Dr. V.V. Patil. Cla of poly. Lani has participated / 1" winner / 2nd Winner, in CAD-Strife / My Green Space / प्रकल्प competition organized by Department of Structural Engineering, Sanjivani College of Engineering, Kopargaon, Dist. Ahmednagar, Maharashtra)

during 18th April 2023 to 19th April 2023.

Structural Engineering Dept.

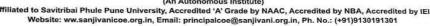
Dr. A. G.Thakur Director, SCOE, Kopargaon



Sanjivani Rural Education Society's

#### Sanjivani College of EngineeringKopargaon

(An Autonomous Institute)





#### Structural Convention 2023

#### CERTIFICATE

This is to certify that, Mr./Miss. Joshi Prasad

of Dr. V. V. Patil College of Poly Lani has participated / 1 winner / 2nd Winner; ir CAD-Strife / My Green Space / Takes competition organized by Department of Structura Engineering, Sanjivani College of Engineering, Kopargaon, Dist. Ahmednagar, Maharashtra during 18th April 2023 to 19th April 2023.

> Professor & Head Structural Engineering Dept.

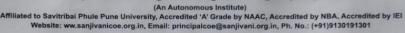
Dr. A. G.Thakur Director, SCOE, Kopargaon





Sanjivani Rural Education Society's

#### Sanjivani College of EngineeringKopargaon





## **Structural Convention 2023**

CERTIFICATE

This is to certify that, Mr./Miss. Lohar Sanket

of Dr. V. V. Patril College of poly. Loni has participated / 1th winner / 2nd Winner, in

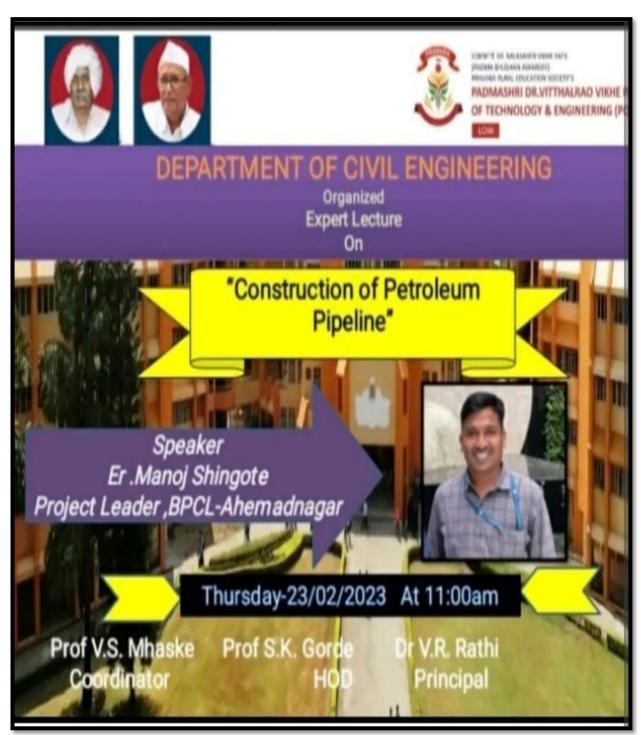
CAD-Strife / My Green Space / प्रकल्प competition organized by Department of Structural Engineering, Sanjivani College of Engineering, Kopargaon, Dist. Ahmednagar, Maharashtra) during 18th April 2023 to 19th April 2023.

Professor & Head Structural Engineering Dept.

Dr. A. G.Thakur

## **EXPERT LECTURES**

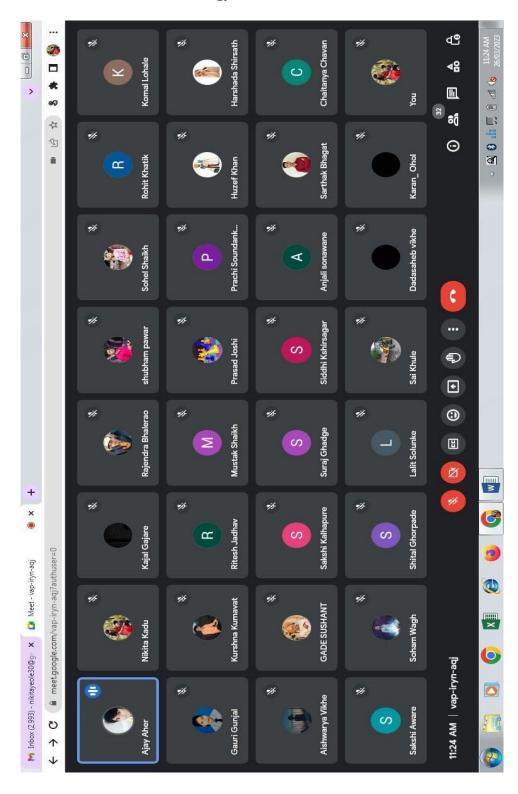
Er. Manoj Shingote, Project Leader, BPCL, Ahmednagar (Alumnus-Batch: 2009) visited Civil Engineering Department of Padmashri Dr. Vikhe Patil Institute of Technology & Engineering (Polytechnic) and guided our SYCE & TYCE students on the topic entitled "Petroleum Pipelines"







Er. Ajay Aher, Sr. Executive, Kolte Patil Developers Pvt. Ltd., Hinjewadi, Pune (Alumnus-Batch: 2017) conducted an Expert talk for the students of SYCE & TYCE on the topic entitled "Concrete Technology" on 26<sup>th</sup> March 2023.



## <u>ALUMNI VISITED</u>

One of our eminent alumnus Mr. Ketankumar Bhaskarrao Patare, Planning Section In-charge at Thabat Holding LLC, Oman, (Batch: 2005-2006) visited Civil Engineering Department on 15<sup>th</sup> July,2022.



Mr. Sagar Chaudhari, (Batch: 2017-2018) visited Civil Engineering Department on 4th August, 2022



## Mr. Ghorpade Sumit Sitaram (Batch: 2004-2005), currently working in Panchayat Samitee, Rahata visited Civil Engineering Department on 13th August, 2022



Mr. Bhise Somanath Bhausaheb & Mr. Omkar Vilas Dhokane (Batch: 2018-2019) visited Civil Engineering Department, Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering(Polytechnic), Loni on 24<sup>th</sup> August, 2022



Our alumnus Mr. Rohan Adhav visited Civil Engineering Department, Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni on 2nd Sept., 2022



One of our eminent alumnus Mr. Karan Jayantrao Sasane (Batch 2007-08) visited Civil Engineering Department, Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni on 14th Sept., 2022



Er. Manoj Shingote, Project Leader, BPCL, Ahmednagar (Alumnus-Batch: 2009) visited Civil Engineering Department of Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic) and guided our SYCE & TYCE students on the topic entitled "Petroleum Pipelines" 23rd Feb., 2023



## FACULTY DEVELOPMENT PROGRA

Department of Civil Engineering of Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic) organized one week Faculty Development Program on "Smart EngineeringMaterials" from 10<sup>th</sup> April 2023 to 15<sup>th</sup> April 2023

#### **About Department** Registration Form Civil Engineering Department was established in 1981 with the aim to develop the professional and responsible citizenship. The development along with professionalism emphasizes on Technology and Engineering (Polytechnic), Pravaranagar Technology and Engineering (Polytechnic), Pravarunagur (Loni) was established in August 1981. It is one of the first of its kind established on no grant basis in the state of Maharashtra. The necessity to establish a technical institution in the rural area was felt long back by the great visionary Late Padma bhushan Balasaheb Vikhe Patil. He was of the firm opinion that it is essential to provide higher educational facilities to the rural youths because they are not in a poxition to compete with their urban counterparts in the race to secure admission in technical institutions due to lack of proper facilities and evidelicines. One Week Faculty Development Program on "Smart Engineering Materials" The development along with professionalism emphasizes on achieving excellence in technical education. The civil engineering Department has well qualified and experienced staff to look after the academic day to day activities. The Department has successfully organized the various programs for faculty as well as students such as workshop, seminars, paper presentation and industrial visit etc. the department has well equipped laboratories with latest equipment's. (Online Mode) 10th April to 15th April 2023 Organized by hegare educational inclinities to the rural youths occause they are not in a position to compete with their urban counterparts in the race to secure admission in technical institutions due to lack of proper facilities and guidelines. Ever since, the Pravara Rural Education Society setablished in the year 1964, striving to bring the education to the door steps of the rural masses. The Pravara Rural Education Society special emphasis on the education of women as well. Late Padmashri Dr. Vithalraco Vikhe Patil realized that unless the womenfolk of the rural area are properly educated, real progress of the rural area is not possible. Under the dynamic leadership of the Chairman of Pravara Rural Education Society Horbe Shri. Radhakrishna Vikhe Patil, Minister of Revenue, Maharashtra State, the Pravara Rural Education Society Horbe Shri. Radhakrishna Vikhe Patil, Minister of Revenue, Maharashtra State, the Pravara Rural Education Society Horbe Shri. Radhakrishna Prominient institutions in rural area providing educational facilities in almost all faculty. The education in general and technical education in particular is a vital component of Human Resources Development which has dynamism to change the quality of life in rural area. The institute has therefore played a very significant role in imparting technical education at middle level, particularly to the rural youths. Many of these young engineers have become entrepreneurs and have created employment opportunities in the rural area, thereby restricting the flow of rural youths to urban areas to some extent. This polytechnic is consistently training the youth to make them employable or to become self-employed person. In addition to running formal diploma courses, we take care of overall development of the students by way of training them on soft-skill, industrial training. Industrial visits, expert lecturers & value addition courses etc. Our institute is taking an active part in the overall development of the rural region in its humble way Civil Engineering Department P. Dr. V.Vikhe Patil Institute of Technology and Vision Engineering (Polytechnic) Loni, To develop the rural students as skilled civil Engineer to Tal-Rahata, Dist. Ahmednagar (Institute Code 0030) build our nation # To develop civil engineering skills using teaching learning process B. To develop technical skill with construction industry by practicing the best teaching learning pedagogies B. To enhance career opportunities for students through higher education, industry and entrepreneurship. Mobile No.: ..... About FDP Institute Details: ..... The main objective of the FDP is to enhance the knowledge industries. This will help faculty to bridge the gap between academics and industry. The program aims to deliver the best contents to the participants to update their knowledge in construction field. Declaration by the Applicant If selected, I agree to abide by the rules and regulations of the training program of institute and shall attend all the session compulsory The program intends to serve the needs of the faculties in regular ng learning process Registration Signature of the Applicant Registration Link-https://forms.gle/zi1kEf6MTKW3qKMU6 No registration fees humble way Pravara Rural Education Society has been awarded as the Best Educational Institution by Govt. of Maharashtra in 2003 and certified by ISO 9001-2000 organization in 2007, and "Dr.A.P.J.Abdul Kalum innovation in governance" award-2016, (Excellent Education Institute) by Indo-US foundation, New Delhi. Eligibility Criteria Applicable for All Diploma & Engineering Signature of the Head of Institute Faculties of Civil Engineering **Chief Patron** Resource Person Hon. Shri. Radhakrishna E. Vikhe Patil Minister of Revenue, Govt. of Maharashtra. Chairman, Loknete Dr. Balasaheb Vikhe Patil Dr. Vilas K. Patil (Padma Bhushan Awardee) Prayara Rural Education (Associate Professor K.K.Wagh College of Society, Pravaranaga Engineering, Nashik) Hon. Sau. Shalini Tai Vikhe Patil Ex.President & Member, Dr. S.M.Ghumare Trustee PRES Loni (Associate Professor, Sanjivani college of Engineering, Kopargaon) Hon. Dr. Sujaydada Vikhe Patil M.P.Abemednagar Loksabha CEO Vikhe Patil Foundation , Ahmednagar Dr. V.R.Rathi (I/c Principal, P.Dr.V.Vikhe Patil Polytechnic, Loni) Excellent Grade by MSBTE. Hon. Dr. Shivanand Hiremath onal CEO, PRES, Lo Mumbai. Patron Prof.R.P.Amale Best Campus Award by ISTE, New (Assistant Professor PREC, Loni) Dr.V. R. Rathi Delhi. I/c Principal Dr.S.M.Gunjal P. Dr. V. Vikhe Patil Polytechnic, Loni (Assistant Professor, Sanjivani college of Engineering, Kopargaon) One Week Faculty Development Conveners Program on Er.Sandeep Pandagale Prof. S. K. Gorde (HOD, Civil) (Executive Engineer, PWD) "Smart Engineering Materials" Prof. G. P. Walhekar (Lecture, C)vii Dept.) Prof.V. S. Mhaske (Lecturer Civil Dept.) Dr.Sachin.B.Kandekar (Online Mode) (Associate Professor, AVCOE, Sangamner) 10th April to 15th April 2023 Coordinator Dr.Amol Mebetre

(Assistant Professor, AVCOE, Sangamner)

Dr.S.V.Patankar

Dr.Sagar.D.Turkane (Assistant Professor, Sanjivani College of

Engineering, Kopargaon)

(Professor, Sanjivani College of Engineering

Kopargaon)

Prof P.A.Vikhe

Email-pooja.vikhe@pravara.in

Organizing Committee

Prof. N. R. Kadu (x308297800)

Prof. R. D. Vikhe (9960548131)

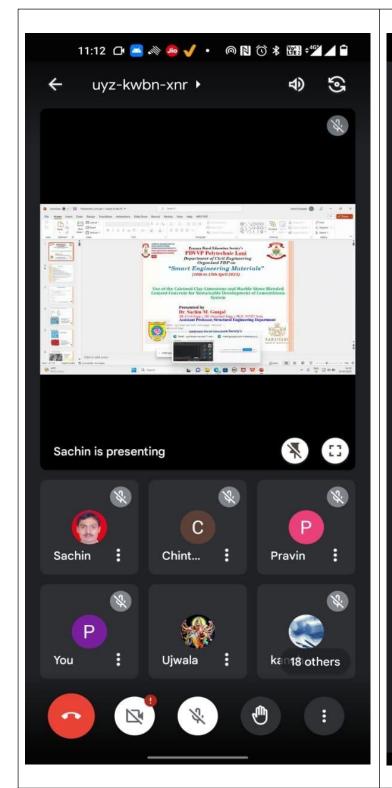
Organized by

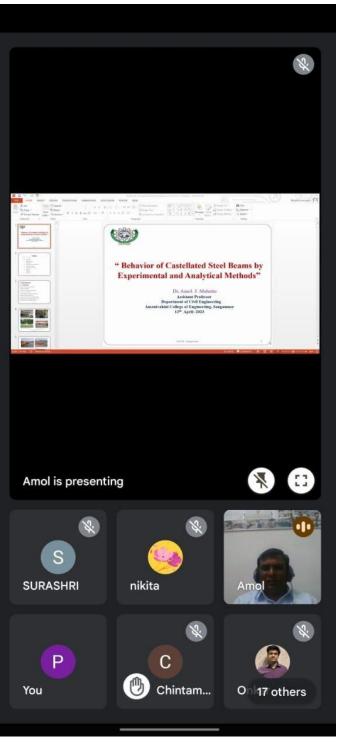
Civil Engineering Department

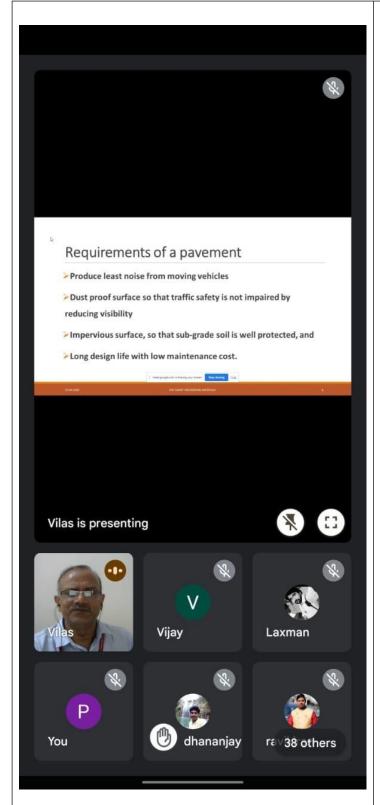
Engineering (Polytechnic) Loni,

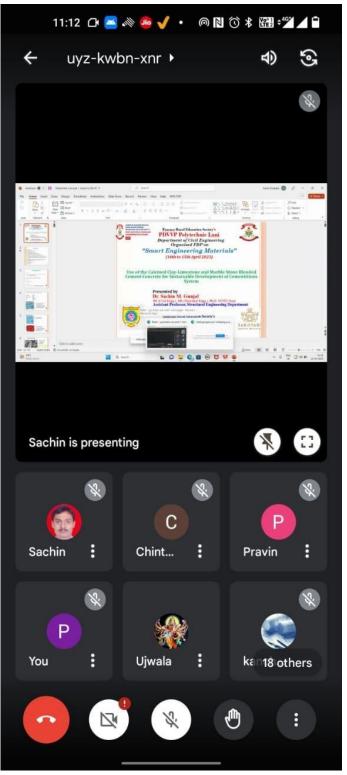
P.Dr. V.Vikhe Patil Institute of Technology and

Tal-Rahata, Dist. Ahmednagar (Institute Code 0030)













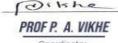
LORNETE DR. BALASAHEB VIKHE PATR.
[PADMA BHUSHAN AWARDEE]
PRAVARA BIRBAL EDUCATION SOCIETY'S
PADMASHRI DR.VITTHALRAO VIKHE PATIL INSTITUTE
OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)

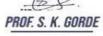
State Level Faculty Development Programme on

Smart Engineering Materials



This is to certify that Mr/Ms.Sandip K. Gorde has successfully Participated in the One Week Faculty Development Program on "Smart Engineering Materials" Organized by P.Dr.V.Vikhe Institute of technology & Engineering (Polytechnic) Loni.From 10 th April to 15th April 2023







**PRAVARA** 

Made for free with Certify'em





LORNETE DR. BALASAHEB VIGHE PATIL
(PADMA BRUGHAN AWARDER)
PRACHAR KORAL EDUCATION SOCIETY'S
PADMASHRI DR. VITTHALRAO VIKHE PATIL INSTITUTE
OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)
LIGNI

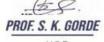
State Level Faculty Development Programme on

Smart Engineering Materials



This is to certify that Mr/Ms.Gaurav Pradip Walhekar has successfully Participated in the One Week Faculty Development Program on "Smart Engineering Materials" Organized by P.Dr.V.Vikhe Institute of technology & Engineering (Polytechnic) Loni.From 10 th April to 15th April 2023







PRAVARA

Made for free with Certify'em





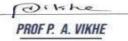
LORNETE DR. BALASANEB VINIE PATIL
[PADMA BRUTHAN ANAROSE]
PRAMARA VARIAL EDUCATION SOCIETYS
PADMASHRI DR. VITTHALRAO VIKHE PATIL INSTITUTE
OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)
LORI

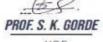
State Level Faculty Development Programme on

Smart Engineering Materials



This is to certify that Mr/Ms Vaishali Somnath Mhaske has successfully Participated in the One Week Faculty Development Program on "Smart Engineering Materials" Organized by P.Dr.V.Vikhe Institute of technology & Engineering (Polytechnic) Loni.From 10 th April to 15th April 2023







**PRAVARA** 

Made for free with Certify'em





LOKNETE DR. BALASAHEB VIKHE PATIL
(PADMA BHUSHAN AWARDEE)
PRAVARA RUBAL EDUCATION SOCIETY'S
PADMASHRI DR.VITTHALRAO VIKHE PATIL INSTITUTE
OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)
LONI

State Level Faculty Development Programme on

Smart Engineering Materials



This is to certify that Mr/Ms Pooja Annasaheb Vikhe has successfully Participated in the One Week Faculty Development Program on "Smart Engineering Materials" Organized by P.Dr.V.Vikhe Institute of technology & Engineering (Polytechnic) Loni.From 10 th April to 15th April 2023





DR. V. R. RATHI

H.O.D

Made for free with Certify'em

#### **PRAVARA**





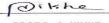
PADMASHRI DR.VITTHALRAO VIKHE PATIL INSTITUTE OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)

State Level Faculty Development Programme on

#### Smart Engineering Materials



This is to certify that Mr/Ms. Nikita Rahul Kadu has successfully Participated in the One Week Faculty Development Program on "Smart Engineering Materials" Organized by P.Dr.V.Vikhe Institute of technology & Engineering (Polytechnic) Loni. From 10 th April to 15th April 2023







PRAVARA

Made for free with Certify'em





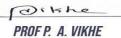
LOKNETE DR BALASAHEB VIKHE PATIL
(PADMA BHUSHAN AWARDEE)
PRANARA RUPAL EDUCATION SOCIETY'S
PADMASHRI DR.VITTHALRAO VIKHE PATIL INSTITUTE OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)

State Level Faculty Development Programme on

Smart Engineering Materials



This is to certify that Mr/Ms.Rahul Dattatray Vikhe has successfully Participated in the One Week Faculty Development Program on "Smart Engineering Materials" Organized by P.Dr.V.Vikhe Institute of technology & Engineering (Polytechnic) Loni. From 10 th April to 15th April 2023







PRAVARA

Made for free with Certify'em

# FDP's/Workshops/Conference's ATTENDED By FACULTY







Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

#### CERTIFICATE

This is to certify that, MR. GORDE SANDIP KACHARU, FACULTY of P.DR.V.VIKHE PATIL INST. OF TECH.& ENGG. (POLYTECHNIC), LONI has successfully participated in IP

Awareness/Training program under

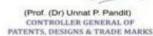
NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION

Amrit Mahotsav

Organized by Intellectual Property Office, India

Date:July 31,2022











Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

#### CERTIFICATE

This is to certify that, MS. VIKHE POOJA ANNASAHEB, FACULTY of P.DR.V.VIKHE PATIL INST. OF TECH.& ENGG. (POLYTECHNIC), LONI has successfully participated in IP

Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION

radir

Amrit Mahotsav

Organized by Intellectual Property Office, India

Date: July 31,2022



(Prof. (Dr) Unnat P. Pandit) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS







Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

#### CERTIFICATE

This is to certify that, MR. WALHEKAR GAURAV PRADIP, FACULTY of P.DR.V.VIKHE
PATIL INST. OF TECH.& ENGG. (POLYTECHNIC), LONI has successfully participated in IP

Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION

on July 30,2022

Organized by Intellectual Property Office, India

Date: July 31,2022





(Prof. (Dr) Unnat P. Pandit) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARK







Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

#### (CERTIFICATE)

This is to certify that, MR. VIKHE RAHUL DATTATRAY, FACULTY of P.DR.V.VIKHE PATIL INST. OF TECH.& ENGG. (POLYTECHNIC), LONI has successfully participated in IP

Awareness/Training program under
NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION

on July 30,2022 Amrit Mahotsav

Organized by Intellectual Property Office, India

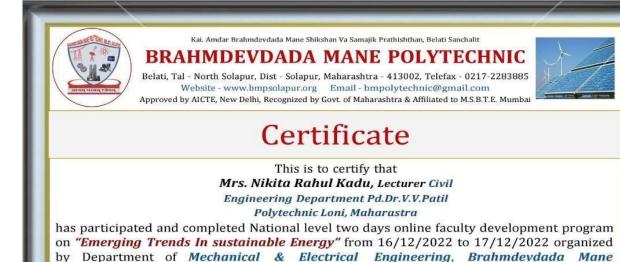
Date: July 31,2022



(Prof. (Dr) Unnat P. Pandit) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS







Polytechnic, Belati, Solapur, Maharashtra.

Er. Phulari S S

Convener

HOD Mech. Engg.

Er. Chougule L B

Convener

HOD EE. Engg.



Principal

BMP, Solapur

Er. Mane R Y

Campus Director

BMSSP SOLAPUR





Certificate No: W-4/116/2021-22



#### Pational Institute of Technical Teachers Training and Research Chandigarh

(MINISTRY OF EDUCATION, GOVERNMENT OF INDIA)

#### Certificate

Sandip Kacharu Gorde
P. Dr. V. Vikhe Patil Polytechnic Loni,
Loni, Maharashtra

participated in Three-days workshop on

on

Engineering Materials Design and Simulations from

15/02/2023 to 17/02/2023

conducted online by

Department of Applied Science, NITTTR Chandigarh

Coordinator

Ashow homen

Head of the Department

Certificate No: W-4/30/2021-22



#### Aational Institute of Technical Teachers Training and Research Chandigarh

(MINISTRY OF EDUCATION, GOVERNMENT OF INDIA)

#### Certificate

Gaurav Pradip Walhekar
P. Dr. V. Vikhe Patil Polytechnic Loni,
Loni, Maharashtra

participated in Three-days workshop on

on

Engineering Materials Design and Simulations from

15/02/2023 to 17/02/2023

conducted online by

Department of Applied Science, NITTTR Chandigarh

Coordinator

Ashow human

Head of the Department

Certificate No: W-4/156/2021-22



#### Aational Institute of Technical Teachers Training and Research Chandigarh

(MINISTRY OF EDUCATION, GOVERNMENT OF INDIA)

#### Certificate

Vaishali Somnath Mhaske
P.Dr.V.V.Patil Institute Of technology and engineering,
polyetechnic Loni,
Loni, Maharashtra

participated in Three-days workshop on

on

Engineering Materials Design and Simulations from

15/02/2023 to 17/02/2023

conducted online by

Department of Applied Science, NITTTR Chandigarh

Coordinator

Ashar kumer

Head of the Department

Certificate No: W-4/162/2021-22



#### Pational Institute of Technical Teachers Training and Research Chandigarh

(MINISTRY OF EDUCATION, GOVERNMENT OF INDIA)

#### Certificate

Pooja Annasaheb Vikhe
P.Dr.V.Vikhe Patil of institute of technology engineering
(polytechnic) Loni,
Loni bk, Maharashtra

participated in Three-days workshop on

on

Engineering Materials Design and Simulations from

15/02/2023 to 17/02/2023

conducted online by

Department of Applied Science, NITTTR Chandigarh

Coordinator

Ashow kuman

Head of the Department

Certificate No: W-4/152/2021-22



## **National Institute of**Technical Teachers Training and Research Chandigarh

(MINISTRY OF EDUCATION, GOVERNMENT OF INDIA)

#### Certificate

Nikita Rahul Kadu
Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology and
Engineering (Polytechnic),
Loni Bk., Maharashtra

participated in Three-days workshop on

on

Engineering Materials Design and Simulations from

15/02/2023 to 17/02/2023

conducted online by

Department of Applied Science, NITTTR Chandigarh

Coordinator

Head of the Department







## **Certificate of Participation**

Certified that

Mr. Sandip Kacharu Gorde

Working at

P. Dr. V. Vikhe Patil Polytechnic Loni

has Participated in one week

Faculty Development Program (FDP) on

"Novel Technology for Environment and Energy Sustainability"

Organized by Department of Chemical Engineering, Pad. Dr. V. V. Patil Polytechnic , Loni From 20<sup>th</sup> to 25<sup>th</sup> Feb 2023





Prof. P. R. Gulve Co-ordinator



Prof. A. S. Shirsath Convener



Prof. N. M. Garad







LEMNOTE OR BALASANDE SHORT PARTS

PAGENAS BUSINESS ASSOCIATED

PAGENAS ASSOCIATED BUCKET'S

PAGENAS BUSINESS BUCKET'S

PAGENAS HIS DR.VITTHALRAO VIKHE PATIL INSTITUTE

OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)



## **Certificate of Participation**

Certified that

Mr. Gaurav Pradip Walhekar

Working at

P. Dr. V. Vikhe Patil Polytechnic Loni

has Participated in one week

Faculty Development Program (FDP) on

"Novel Technology for Environment and Energy Sustainability"

Organized by Department of Chemical Engineering, Pad. Dr. V. V. Patil Polytechnic , Loni From 20<sup>th</sup> to 25<sup>th</sup> Feb 2023





Prof. P. R. Gulve Co-ordinator



Prof. A. S. Shirsath Convener



HOD









## **Certificate of Participation**

Certified that

#### Mrs. Vaishali Somnath Mhaske

P.Dr.Vitthalrao Vikhe Patil Institute of Technology and Engineering (Polytechnic)

> has Participated in one week Faculty Development Program (FDP) on

"Novel Technology for Environment and Energy Sustainability"

Organized by Department of Chemical Engineering, Pad. Dr. V. V. Patil Polytechnic, Loni From 20th to 25th Feb 2023



Prof. A. S. Shirsath Convener











Principal



Prof. P. R. Gulve

Co-ordinator



PADMASHRI DR.VITTHALRAO VIKHE PATIL INSTITUTE OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)



## **Certificate of Participation**

Certified that

Mrs. Kadu Nikita Rahul

P.Dr.Vitthalrao Vikhe Patil Institute of Technology and **Engineering (Polytechnic)** has Participated in one week

Faculty Development Program (FDP) on "Novel Technology for Environment and

**Energy Sustainability**"

Organized by Department of Chemical Engineering, Pad. Dr. V. V. Patil Polytechnic, Loni From 20th to 25th Feb 2023



Prof. A. S. Shirsath Convener



Prof. N. M. Garad HOD













Dr. V. R. Rathi Principal









### **Certificate of Participation**

Certified that

Prof. Rahul Dattatray vikhe

Working at

P. Dr. V. Vikhe Patil Polytechnic Loni

has Participated in one week

Faculty Development Program (FDP) on

 $\hbox{``Novel Technology for Environment and}\\$ 

**Energy Sustainability**"

Organized by Department of Chemical Engineering,
Pad. Dr. V. V. Patil Polytechnic , Loni
From 20<sup>th</sup> to 25<sup>th</sup> Feb 2023





Prof. P. R. Gulve Co-ordinator



Prof. A. S. Shirsath Convener

CHrarad

Prof. N. M. Garad HOD



Certificate Number: QFYILUCD

## LEARN DELTA

Certificate of Completion

THIS IS TO CERTIFY THAT

#### Vaishali Mhaske

has successfully completed

**AutoCAD-2D (Workshop)** 

and scored an 'A' Grade in the prescribed final examination conducted by Institute on <a href="26th February 2023">26th February 2023</a>



DIRECTOR SIGN





Certificate Number: DOLJG3FA

## LEARN DELTA

Certificate of Completion

THIS IS TO CERTIFY THAT

#### Nikita Rahul Kadu

has successfully completed



and scored an 'A' Grade in the prescribed final examination conducted by Institute on 26th February 2023



DIRECTOR SIGN



Certificate Number: XRTL9QRD

## LEARN DELTA

Certificate of Completion

THIS IS TO CERTIFY THAT

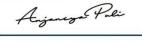


#### Pooja Annasaheb Vikhe

has successfully completed

AutoCAD-2D (Workshop)

and scored an 'A' Grade in the prescribed final examination conducted by Institute on 01st March 2023



DIRECTOR SIGN











Department of Automation & Robotics Engineering

#### CERTIFICATE

This is certified that Nikita Rahul Kadu have Participated and completed successfully Three Days Workshop on "Recent Advancement in Robotics"

by department of Automation & Robotics Engineering from 19th to 21st April 2023.

Prof.R.A.Parkhe **Program Coordinator** 

Dr.L.B.Abhang HOD, A & R Dept.

Dr. S. M. Gulhane Principal PREC, Loni



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

#### Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

1st National Conference Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K23)

\*Certificate of Participation\*

This certificate is hereby awarded to Miss. Pooja Annasaheb Vikhe of Padmashri Dr.Vitthalrao Vikhe Patil Institute of Technology and Engineering (Polytechnic), Loni as author of Utilization of marble dust powder in concrete in 1st National Conference in Innovations and Inventions in Science and Technology (I2ST-2K23) organised by Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar on 25th April 2023.



the let

Coordinator

Principal SCSMCOE, A.NAgar



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

#### Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

1<sup>st</sup> National Conference Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K23)

\*Certificate of Participation\*

This certificate is hereby awarded to Miss. Vaishali Mhaske of Padmashri Dr.Vitthalrao Vikhe Patil Institute of Technology and Engineering (Polytechnic), Loni as author of Utilization of marble dust powder in concrete in 1st National Conference in Innovations and Inventions in Science and Technology (PST-2K23) organised by Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar on 25th April 2023.



that

Coordinator 12ST Principal SCSMCOE, A.NAgar



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

#### Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

1<sup>st</sup> National Conference Inventions and Innovations in Science and Technology (I<sup>2</sup>ST-2K23)

\*Certificate of Marticipation\*

This certificate is hereby awarded to Miss. Nikita Kadu of Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology and Engineering (Polytechnic), Loni as author of Utilization of marble dust powder in concrete in 1st National Conference in Innovations and Inventions in Science and Technology (I<sup>2</sup>ST-2K23) organised by Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar on 25th April 2023.

Byre

Coordinator I2ST Hade

Principal SCSMCOE, A.NAgar

## GLIMPSE OF ANNUAL SOCIAL GATHERING

## **"DARPAN-2K23"**

































































# **CONTRIBUTION TOWARDS PLACEMENTS**







## STUDENTS CORNER

# TITLE: "THE EVOLUTION OF STRUCTURAL HEALTH MONITORING IN CIVIL ENGINEERING"

Structural Health Monitoring (SHM) is transforming the way civil engineers assess and manage infrastructure integrity. This field utilizes advanced sensor technologies, data analytics, and machine learning to continuously monitor and assess the condition of structures. From bridges to buildings, SHM provides real-time insights into the performance of critical components, detecting anomalies and potential issues before they escalate. Wireless sensor networks, embedded sensors, and satellite imaging contribute to a comprehensive monitoring system. The integration of SHM not only enhances safety but also allows for predictive maintenance, optimizing infrastructure life cycles. As civil engineering embraces the digital era, the evolution of Structural Health Monitoring marks a paradigm shift towards proactive and data-driven maintenance strategies.

-AVDHUT GAME

**Class: TYCE** 

# TITLE: "ADVANCED MATERIALS IN CONSTRUCTION- PIONEERING THE FUTURE OF INFRASTRUCTURE"

The landscape of construction is undergoing a revolutionary transformation, thanks to the advent of advanced materials. These cutting-edge substances are not just altering the physical properties of structures but are fundamentally reshaping the way civil engineers approach design, durability, and sustainability. This exploration dives into the realm of advanced materials and their profound impact on the construction industry.

#### 1. High-Performance Concrete:

Traditional concrete has met its match with the emergence of high-performance concrete (HPC). Engineered to exhibit superior strength, durability, and resistance to environmental factors, HPC is becoming the material of choice for critical infrastructure projects. Its ability to withstand harsh conditions while maintaining structural integrity is redefining the expectations for concrete structures.

#### 2. Self-Healing Materials:

Imagine a construction material that can repair itself when cracks inevitably appear. Self-healing materials are no longer confined to the realm of science fiction. Incorporating innovative technologies such as microcapsules or vascular networks filled with healing agents, these materials have the potential to significantly extend the lifespan of structures by autonomously repairing damage over time.

#### 3. Carbon-Fiber-Reinforced Polymers (CFRP):

The marriage of carbon fibers and polymers has given birth to a game-changing composite material. CFRP boasts high strength-to-weight ratio, corrosion resistance, and flexibility, making it an ideal candidate for reinforcing structures. From bridges to buildings, civil engineers are increasingly turning to CFRP to enhance the structural performance of various elements.

#### 4. Shape Memory Alloys (SMAs):

SMAs are alloys that can "remember" their original shape and return to it after deformation. This unique property opens the door to innovative applications in construction. SMA-reinforced structures can respond dynamically to external stimuli, providing enhanced resilience against seismic activity or other dynamic forces, thus improving overall structural safety.

#### 5. Aerogels for Insulation:

In the quest for energy-efficient buildings, aerogels are emerging as a groundbreaking solution for insulation. These ultralight materials possess exceptional thermal insulation properties, allowing structures to maintain comfortable temperatures while reducing energy consumption. Aerogels are increasingly finding application in everything from walls to windows, contributing to sustainable and eco-friendly construction.

#### 6. Transparent Aluminum for Windows and Facades:

The transparent aluminum, once a fantasy in science fiction, is now a reality. This advanced material exhibits remarkable transparency while offering strength and durability comparable to traditional materials. Civil engineers are exploring its use in windows and facades, opening up new possibilities for architectural design that seamlessly integrates strength and aesthetics.

-Mr. SARTHAK BHAGAT Class: TYCE

# TITLE: "DEVELOPING NEW MATERIALS AND TECHNOLOGIES FOR SUSTAINABLE CONSTRUCTION IN CIVIL ENGINEERING"

Developing new materials and technologies for sustainable construction in civil engineering is important for several reasons. First, it can help reduce the environmental impact of the construction industry, which is one of the major contributors to greenhouse gas emissions, resource depletion, and waste generation. Second, it can enhance the performance, durability, and resilience of the built environment, which is essential for coping with the challenges of climate change, natural disasters, and urbanization. Third, it can create social and economic benefits for the society, such as improving the quality of life, creating new jobs, and fostering innovation.

Some examples of new materials and technologies for sustainable construction in civil engineering are biochar, 3D printing, modular fabrication, and eco-friendly cement. Biochar is a carbon-rich material derived from biomass that can be used for soil remediation, carbon sequestration, and water purification.3D printing and modular fabrication are processes that can produce complex and customized structures with less material, energy, and labor. Eco-friendly cement is a type of cement that incorporates supplementary cementitious materials, such as fly ash, slag, and silica fume, to reduce the amount of clinker, which is the main source of carbon dioxide emissions in cement production. These new materials and technologies can offer significant advantages for sustainable construction in civil engineering.

-Mr. SUSHANT GADE
Class: SYCE

#### **CAREER OPPORTUNITIES IN ENGINEERING**

Civil engineering is one of the most sought-after branches of engineering, and probably one of the oldest one in human history. For thousands of years, humans have built breathtaking monuments that have stood the test of time, all thanks to dedicated civil engineers. A civil engineer is responsible for designing and monitoring the construction and renovation of physical structures, railway projects, roadways, and local and national infrastructure. It is a diverse field with tremendous scope and added prestige. Civil engineers use their knowledge of math, science, and technology to plan and create safe, functional, and sustainable environments for us. Whether it's designing a new subway system, making sure a skyscraper won't collapse, or finding ways to manage water resources efficiently, civil engineers are the problem solvers who make it happen. Their work isn't just about construction; it's also about improving and maintaining the infrastructure over time. So, civil engineering is all about building, enhancing, and caring for the world we live in, making it safer, more efficient, and better for everyone. It's a profession that blends technical expertise with creativity to create the physical foundations of our modern lives.

#### Career Opportunities In Civil Engineering:-

#### 1] Infrastructure Development :-

In the list of career opportunities in civil engineering, the first one that we are going to see is a crucial role in designing and building infrastructure like roads, bridges, and airports. They also work on water supply and sewage systems, making sure communities have essential services.

- 1. Building the World Around Us: Civil engineers are like the architects of the world's infrastructure. They design, construct, and maintain essential structures and systems that make our modern lives possible, such as roads, bridges, buildings, and water supply networks.
- 2. Diverse Projects, Exciting Specializations: Infrastructure development covers a wide spectrum of projects, from local community improvements to massive national or global endeavors. This diversity allows civil engineers to choose specializations that align with their interests, such as working on transportation systems, designing safe buildings, or managing water resources.
- 3. Job Security: Infrastructure projects are always in demand because they are vital for our communities to function. This means that civil engineers typically enjoy a stable job market, even in uncertain times.
- 4. Explore the World: If you are someone with an adventurous spirit, then infrastructure development is the right choice for you as that can take you to different parts of the world. Many countries are investing heavily in their infrastructure, offering opportunities for civil engineers to work internationally.
- 5. Public or Private Sector: You can choose to work for government agencies, where you'll contribute to the well-being of your community, or in the private sector, working for consulting firms or construction companies, offering expertise to clients on various projects.
- 6. Be Your Own Boss: Experienced civil engineers often have the option to start their own engineering firms, allowing them to pursue their own interests and have more control over their careers. Infrastructure development offers civil engineers a rich and diverse set of career paths. Whether you're interested in building, designing, managing, or innovating, there's a place for you in this field.

#### 21 Construction:-

This field involves managing and supervising construction projects, ensuring they are completed safely and on schedule. This is an important job role in career opportunities in civil engineering as this is the basis for everything. Construction is a fundamental aspect of civil engineering that offers a multitude of career opportunities. Think of it as being the builder and creator of the physical world around us. When you pursue a career in construction as a civil engineer, you're at the forefront of turning architectural designs into tangible structures. In the construction field, you have various roles to explore. You might become a site engineer, responsible for overseeing the day-to-day operations at a construction site, ensuring that everything is built according to plans and safety standards. Project management is another exciting path, where you'll lead teams, manage budgets, and ensure projects are completed on time. If you're interested in materials and technology, you can specialize in construction materials engineering, focusing on innovative materials and methods to improve the quality and sustainability of construction projects. Construction offers a tangible and hands-on aspect of civil engineering. You get to see your designs come to life, make real-world decisions,

and solve on-site challenges. Plus, the construction industry is constantly evolving with new technologies and materials, which means there's always room for growth and specialization in your career. So, if you enjoy creating and building things, a career in construction as a civil engineer could be an exciting and fulfilling choice.

#### 3] Environmental Engineering:-

Environmental engineers focus on projects that protect and improve the environment. They work on issues like water quality, pollution control, and sustainable resource management. Environmental engineering is a vital field within career opportunities in civil engineering that focuses on finding ways to protect and improve our environment while ensuring sustainable development. It's like being a guardian of nature while also shaping the world we live in.

#### 4] Geotechnical Engineering :-

Geotechnical engineering is a fascinating branch of civil engineering that deals with the earth and the materials that support and interact with structures. In simpler terms, it's like being the foundation expert in the world of civil engineering. These engineers specialize in soil and rock mechanics, helping determine the stability of foundations for buildings and structures. They also assess landslides and earthquakes' impact. When it comes to career opportunities in civil engineering, geotechnical engineers are in high demand. They play an important role in ensuring the stability and safety of structures like buildings, bridges, dams, and roads. Picture yourself investigating soil and rock conditions at construction sites, assessing their suitability for building, and designing foundations that can withstand various challenges like earthquakes or soil erosion. As a geotechnical engineer, you can work in various settings. You might be employed by engineering firms, government agencies, or construction companies.

#### 5] Structural Engineering:-

Structural engineering is a captivating and essential aspect of civil engineering that revolves around designing structures through AutoCAD software and ensuring the safety and stability of buildings, bridges, and other structures. Think of it as being the architect of the skeleton that holds up the world around us. Structural engineers design buildings and ensure they can withstand various forces and loads, such as earthquakes and strong winds. Career opportunities in civil engineering as a structural engineer are plentiful and diverse. As a structural engineer, you'll be involved in creating blueprints for structures that can withstand various forces like gravity, wind, and earthquakes. Structural engineering offers various career paths. Specializations like earthquake engineering or sustainable design are also possibilities. Your work will involve collaborating with architects, other engineers, and construction teams to turn design concepts into reality. It's a profession that combines creativity with precision and makes a tangible impact on the world's infrastructure. Structural engineering is like being the unsung hero behind the world's remarkable buildings and bridges. If you enjoy problem-solving, have an eye for detail, and want to be part of shaping our urban landscapes, a career in structural engineering as a civil engineer might be a perfect fit for you.

#### 6] Transportation Engineering:-

Transportation engineering is a dynamic and essential field within civil engineering that focuses on creating safe, efficient, and sustainable transportation systems to keep people and goods moving smoothly. In simpler terms, it's about making sure we can get from point A to point B as efficiently and safely as possible. In this list of career opportunities in civil engineering, transportation engineering offers a wide range of exciting paths. As a transportation engineer, you get to tackle real-world challenges like reducing traffic congestion, improving public transit, and enhancing road safety. This field opens doors to various career options. You can work for government transportation departments, consulting firms, or research institutions. Specializations like traffic engineering or sustainable transportation planning are also possible.

-Mr. LALIT SOLUNKE
Class: TYCE

## **ACADEMIC ACHIEVEMENTS**

## Heartiest Congratulations!!

To All the Third year & Second year Civil Engineering Students for their Outstanding Performances in Summer-2023 Exam (Academic Year 2022-23)

**Toppers of Third year S-2023** 



Mr. Solunke Lalit Pranaysingh (86.16 %)-1<sup>ST</sup> Rank



Miss. Kardile Rutuja Pramod (84.68 %)-2<sup>nd</sup> Rank



Mr. Sayyad Nawaj Salim (79.20%)-3<sup>rd</sup> Rank

### **Toppers of Second year S-2023**



Mr. Gade Sushant Anil (86.64%)-1<sup>ST</sup> Rank



Miss. Shirsath Harshada Kailas (81.64 %)-2<sup>nd</sup> Rank



Miss. Lohale Komal Lahanu (79.82%)-3<sup>rd</sup> Rank

## Heartiest Congratulations!!

To All the Third year & Second year Civil Engineering Students for their Outstanding Performances in Winter-2022 Exam (Academic Year 2022-23)

Toppers of Third year W-2022



Mr. Solunke Lalit Pranaysingh (86.10 %)-1<sup>ST</sup> Rank



Miss. Kardile Rutuja Pramod (85.50 %)-2<sup>nd</sup> Rank



Mr. Sayyad Nawaj Salim (80.30%)-3<sup>rd</sup> Rank

### **Toppers of Second year W-2022**



Mr. Gadhe Sushant Anil (84.89 %)-1<sup>ST</sup> Rank



Miss. Shirsath Harshada Kailas (81.78 %)-2<sup>nd</sup> Rank



Miss Lohale Komal Lahanu (80.30%)-3<sup>rd</sup> Rank

# **MoU**

Sr. No.	Name of Company
1.	Sai Trisha Construction, Rakshewadi, Rajgurunagar, Pune
2.	Udage Civil Engineers and Contractors, Gangapur, Aurangabad
3.	Sai Avdhoot Enterprises, Proprietor, Kelwad, Rahata
4.	Civil Engineer and Government Contractor and Consultant, Shrirampur
5.	Padmavati Constructions, Punewadi
6.	Yogita Construction and Proprietor, New Mumbai
7.	Shree Ganesh Brick Suppliers, Shirdi
8.	RDA-Post Tensioning Services, Pune
9.	Hindavi Paver Block and Cement Product Industries, Kokangaon
10.	Khaire Furniture Works, Rahuri
11.	Matoshri Buildcon, Parner
12.	Ashish Constructions
13.	Mr. Sagar M. Dighe, Civil Engineer and Contractor, Loni Bk.
14.	Dokhe Constructions, Govt. Contractor, Ahmednagar
15.	Sai Shraddha Construction Architect and Engineers, Loni Bk.
16.	Mauli Engineering and Proprietor, Shrirampur
17.	U. D. Rahane & Associates & Proprietor, Sangamner
18.	G.D.K. Ventures, Aurangabad
19.	Vision Build India Pvt. Ltd., Chanegaon
20.	Siddhi Constructions Pvt. Ltd., Kopargaon



Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni

**Section Editor:** 

Mrs. Nikita R. Kadu nikita.yeole@pravara.in

**Chief Editor:** 

Mr. Sandip K. Gorde sandip.gorde@pravara.in

**Student Representative:** 

Mr. Avdhut Game

Visit us at:

https://www.pravara.in/polytechnic