



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

# Civil Engineering Department Newsletter



**“CIVIL TECH”  
2021-22**



# ***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 2021-22 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 2021-22.

**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 2021-22 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. Also, I would like to add that the program of Civil Engineering has received a grant of Rs. 16.77 Lac under MODROB in 2021-22 for Material Testing Lab.

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***

## 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.

# e- BULLETIN

JUNE 2021/PDVVPIT/CIVIL/01, 14-18/06/2021, Mrs. Nikita R. Kadu attended FDP On "Plastics Recycling and Waste Management" organized by ATAL academy.

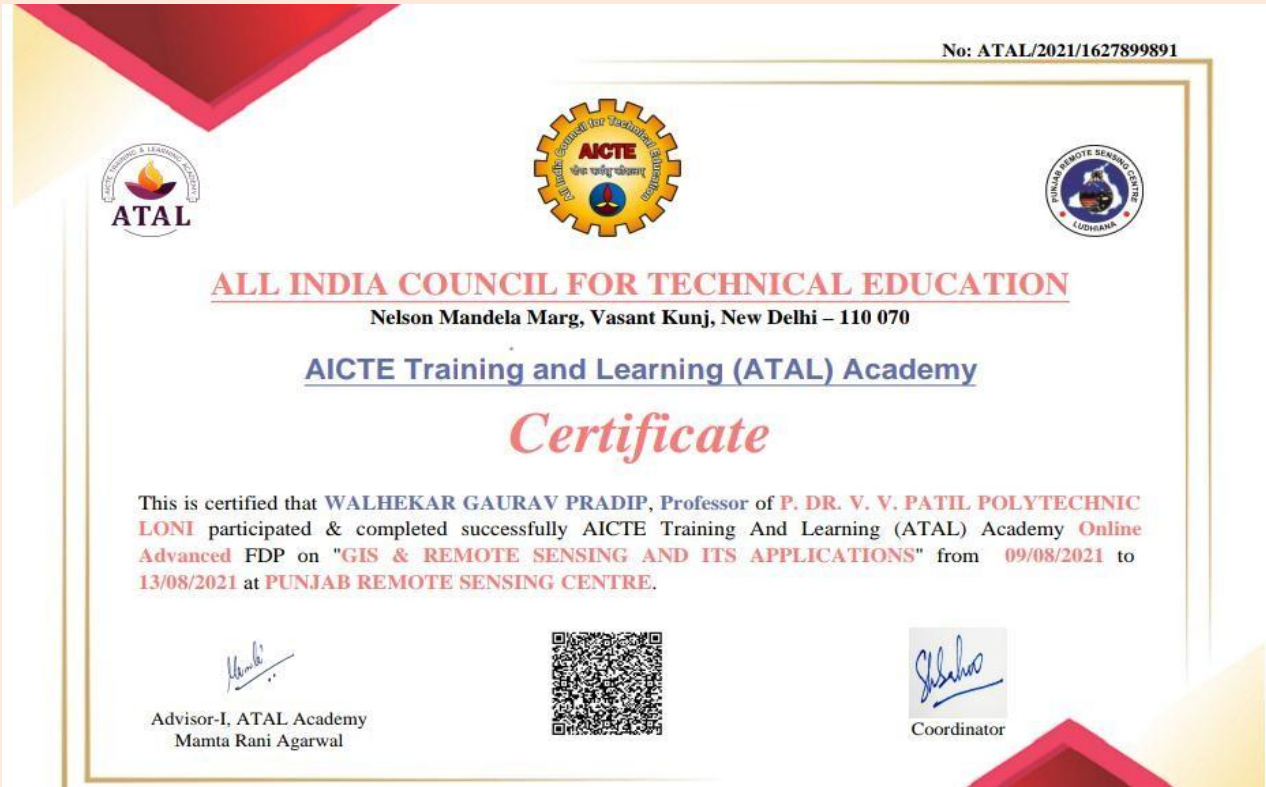


JULY 2021/PDVVPIT/CIVIL/01, 11/07/2021, Students Placement:

Mr. Shantanu Prasad Waghmare (Batch- 2019) got placed in Dhoot Technoprojects, Pune as a Trainee Engineer with the help of alumnus Mr. Shubham Suyash Andhale (Batch: 2018).



AUGUST 2021/PDVVPIT/CIVIL/01, 09-13/08/2021, Mr. Gaurav P. Walhekar and Ms. Vaishali S. Mhaske attended FDP on "GIS & Remote Sensing and its applications" organized by ATAL academy.



AUGUST 2021/PDVVPIT/CIVIL/02, 09-13/08/2021, Mr. Rahul D. Vikhe attended FDP On "Design and Construction of Tall Building Structures" organized by ATAL academy.



AUGUST 2021/PDVVPIT/CIVIL/03, 14/08/2021, Mrs. Nikita R. Kadu attended webinar On "Cyber Security" organized by SkillSlate and MARCRAFT.





AUGUST 2021/PDVVPIT/CIVIL/04, 14/08/2021, Mrs. Nikita R. Kadu attended PRAVARA-IETE PAC weekly webinar series session 13 On "A Journey to Space" organized by PREC, Loni.



AUGUST 2021/PDVVPIT/CIVIL/05, 16/08/2021, Mrs. Nikita R. Kadu attended guest lecture On "Remote Sensing" organized by Indian Society of Remote Sensing, Mumbai.



AUGUST 2021/PDVVPIT/CIVIL/06, 16-20/08/2021, Mrs. Nikita R. Kadu attended FDP On "Inculcating universal human values in technical education" organized by AICTE, New Delhi.



AUGUST 2021/PDVVPIT/CIVIL/07, 17/08/2021, Faculty members Ms. Vaishali S. Mhaske and Ms. Pooja A. Vikhe conducted Admission Campaigning Program at Community Radio Centre, Krishi Vigyan Kendra (KVK), Babhaleshwar 90.8 MHz FM.





AUGUST 2021/PDVVPIT/CIVIL/08, 20-21/08/2021, Mr. Sandip K. Gorde, Mr. Gaurav P. Walhekar, Mr. Rahul D. Vikhe and Ms. Pooja A. Vikhe attended a two day workshop on "Project Based Learning" organized by Adamas University.



## CERTIFICATE OF PARTICIPATION

This is to certify that  
**SANDIP KACHARU GORDE**

.....

has participated in **A Two Day Workshop on Project Based Learning**  
and completed successfully, on **20th & 21st August 2021**  
organized by **School of Engineering & Technology, Adamas University.**



**Dr. Deependra K Jha**  
Vice Chancellor,  
Adamas University



**Dr. Ashwini K Sharma**  
DEAN  
School of Engineering & Technology,  
Adamas University



## CERTIFICATE OF PARTICIPATION

This is to certify that  
**GAURAV PRADIP WALHEKAR**

.....

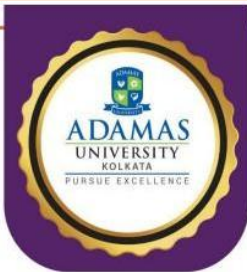
has participated in **A Two Day Workshop on Project Based Learning**  
and completed successfully, on **20th & 21st August 2021**  
organized by **School of Engineering & Technology, Adamas University.**



**Dr. Deependra K Jha**  
Vice Chancellor,  
Adamas University



**Dr. Ashwini K Sharma**  
DEAN  
School of Engineering & Technology,  
Adamas University




## CERTIFICATE OF PARTICIPATION



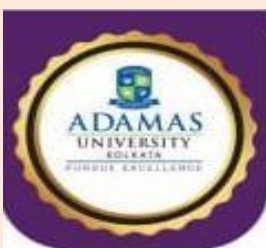
This is to certify that

**RAHUL DATTATRAY VIKHE**

has participated in **A Two Day Workshop on Project Based Learning**  
and completed successfully, on **20th & 21st August 2021**  
organized by **School of Engineering & Technology, Adamas University.**

  
**Dr. Deependra K Jha**  
Vice Chancellor,  
Adamas University

  
**Dr. Ashwini K Sharma**  
DEAN  
School of Engineering & Technology,  
Adamas University



## CERTIFICATE OF PARTICIPATION



This is to certify that

**POOJA ANNASAHEB VIKHE**

has participated in **A Two Day Workshop on Project Based Learning**  
and completed successfully, on **20th & 21st August 2021**  
organized by **School of Engineering & Technology, Adamas University.**

  
**Dr. Deependra K Jha**  
Vice Chancellor,  
Adamas University

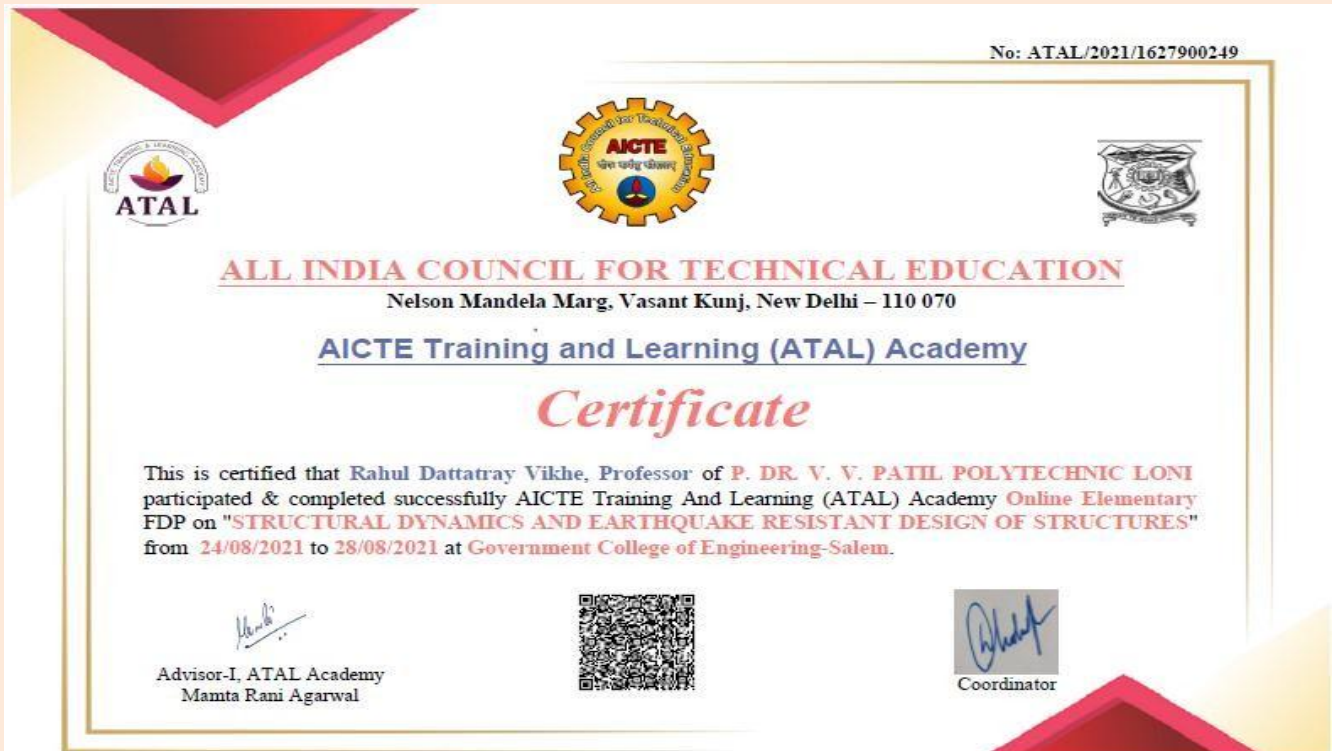
  
**Dr. Ashwini K Sharma**  
DEAN  
School of Engineering & Technology,  
Adamas University



AUGUST 2021/PDVVPIT/CIVIL/09, 23-27/08/2021, Ms. P. A. Vikhe participated in STTP on "Advances in Geotechnical Engineering & Reliability of Structures" organized by Marathwada Institute of Technology, Aurangabad.



AUGUST 2021/PDVVPIT/CIVIL/10, 24-28/08/2021, Mr. Rahul D. Vikhe attended FDP on "Structural Dynamics & Earthquake Resistant Design of Structures" organized by ATAL academy.



AUGUST 2021/PDVVPIT/CIVIL/11, 23-27/08/2021, Mrs. Nikita R. Kadu attended FDP on "Green Technology" organized by ATAL academy.



AUGUST 2021/PDVVPIT/CIVIL/12, 26-27/08/2021, Ms. Vaishali S. Mhaske, Mrs. Nikita R. Kadu and Mrs. Pooja A. Vikhe attended an International Conference on "The Digital Transformation in Business Re-engineering, Post-pandemic Era of Industry 5.0" organized by Dr. Vitthalrao Vikhe Patil Foundation's Institute of Business Management & Rural Development, Ahmednagar.







Dr.Vithalrao Vikhe Patil Foundation's  
**Institute of Business Management And Rural Development**



NAAC accredited 'A' grade with 3.11 CGPA.  
 Best Institute Award By Savitribai Phule Pune University.

CHALLENGING TIME  
 WITH  
 CHANGING MINDS

International  
 e - Conference  
 on

"The Digital Transformation  
 in  
 Business Re-Engineering:  
 Post Pandemic Era of  
 Industry 5.0"

26<sup>th</sup> & 27<sup>th</sup>  
 AUGUST 2021

# Certificate



This is to Certify that

**Nikita R. Kadu**

has presented a paper on the topic "High Performance Concrete By Using CNS" in the International e-Conference on "The Digital Transformation in Business Re-Engineering: Post Pandemic Era of Industry 5.0", held on 26th and 27th August 2021, organized by Dr. Vithalrao Vikhe Patil Foundation's Institute of Business Management and Rural Development, Ahmednagar.

Dr. Pravin Suryawanshi  
 IQAC Coordinator,  
 DVVPF's IBMRD, Anagar

Prof. Ganesh Antre  
 Conference Coordinator,  
 DVVPF's IBMRD, Anagar

Dr. Megha Jain  
 Conference Convener  
 DVVPF's IBMRD, Anagar

Dr. Sanjay Dharmadhikari  
 Conference Chairman, Director,  
 DVVPF's IBMRD, Anagar

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**Institute of Business Management And Rural Development**



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CHALLENGING TIME  
 WITH  
 CHANGING MINDS

International  
 e - Conference  
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"The Digital Transformation  
 in  
 Business Re-Engineering:  
 Post Pandemic Era of  
 Industry 5.0"

26<sup>th</sup> & 27<sup>th</sup>  
 AUGUST 2021

# Certificate



This is to Certify that

**Pooja A Vikhe**

has presented a paper on the topic "High Performance Concrete By Using CNS" in the International e-Conference on "The Digital Transformation in Business Re-Engineering: Post Pandemic Era of Industry 5.0", held on 26th and 27th August 2021, organized by Dr. Vithalrao Vikhe Patil Foundation's Institute of Business Management and Rural Development, Ahmednagar.

Dr. Pravin Suryawanshi  
 IQAC Coordinator,  
 DVVPF's IBMRD, Anagar

Prof. Ganesh Antre  
 Conference Coordinator,  
 DVVPF's IBMRD, Anagar

Dr. Megha Jain  
 Conference Convener  
 DVVPF's IBMRD, Anagar

Dr. Sanjay Dharmadhikari  
 Conference Chairman, Director,  
 DVVPF's IBMRD, Anagar

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AUGUST 2021/PDVVPIT/CIVIL/13, 26-28/08/2021, Mr. Sandip K. Gorde attended a STTP on "Advances in Civil Engineering" organized by Sanjay Bhokare Group of Institutes, Miraj.



AUGUST 2021/PDVVPIT/CIVIL/14, 29/08/2021, Mr. Gaurav. P. Walhekar attended a webinar On "Research & Innovation to Support Sustainable Development Goals" organized by Institution of Engineering, Gwalior.





AUGUST 2021/PDVVPIT/CIVIL/15, 31/08/2021, Students Placement:

Mr. Jadhav Sachin (Batch-2019) got placed under the guidance of our Departmental Faculty member Mr. Gaurav P. Walhekar at Deepak Wetal Constructions, Mhalungi as a Trainee Engineer.





SEPTEMBER 2021/PDVVPIT/CIVIL/01, 05/09/2021, Ms. P. A. Vikhe, Ms. Vaishali S.Mhaske & Mrs. Nikita R. Kadu, published a paper titled "Smart Solar Roadway System" in the International Journal of Advance Research & Innovative Ideas in Education.

**INTERNATIONAL JOURNAL OF ADVANCE  
RESEARCH AND INNOVATIVE IDEAS IN EDUCATION**  
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**CERTIFICATE**  
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**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*  
**SMART SOLAR ROADWAY SYSTEM**  
*Published in E-Journal*  
**Volume-7 Issue-5 2021**

Paper Id : 15279  
ISSN(O) : 2395-4396

  
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**VAISHALI SOMNATH MHASKE**

*In Recognition of the Publication of the Paper Entitled*  
**SMART SOLAR ROADWAY SYSTEM**

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*Volume-7 Issue-5 2021*

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**NIKITA RAHUL KADU**

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*Published in E-Journal*

*Volume-7 Issue-5 2021*

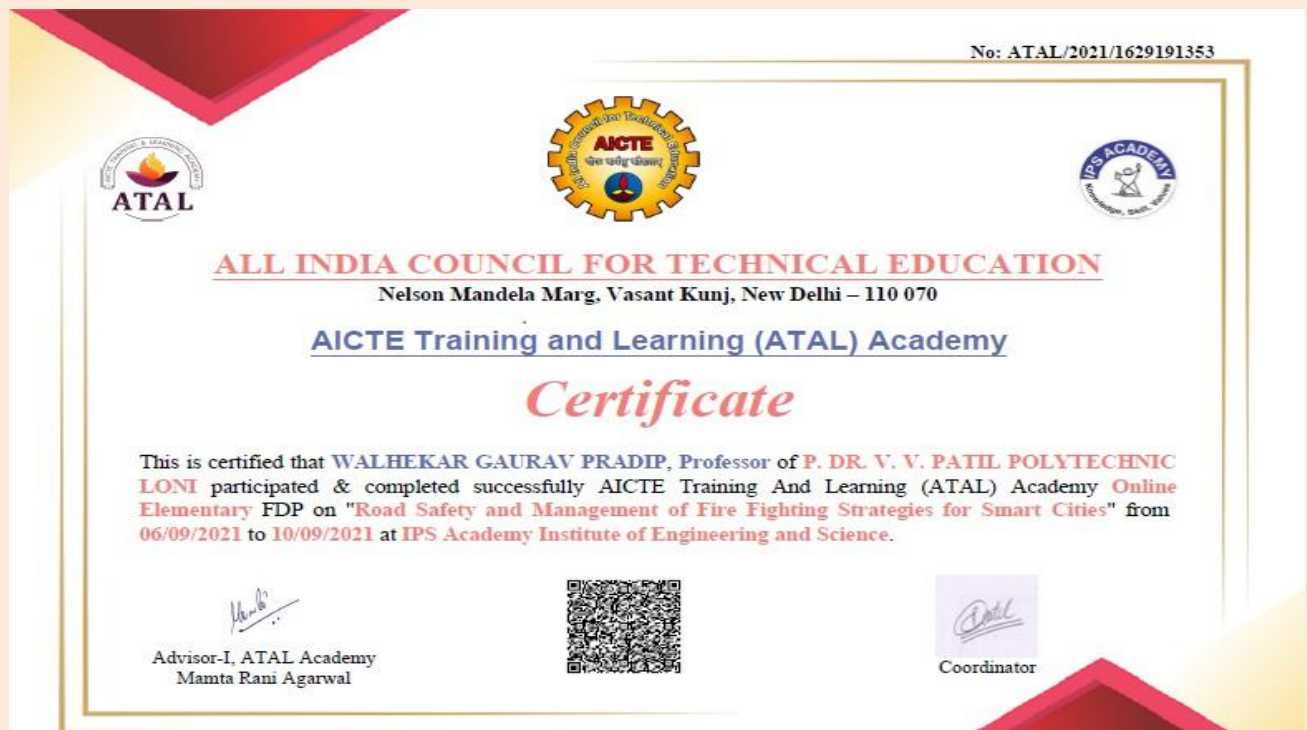
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Editor In Chief

SEPTEMBER 2021/PDVVPIT/CIVIL/02, 06-10/09/2021, Mr. Sandip K. Gorde & Mr. Gaurav P. Walhekar attended FDP On "Road Safety & Management of Fire Fighting Strategies for Smart Cities" organized by ATAL academy.





SEPTEMBER 2021/PDVVPIT/CIVIL/03, 07-11/09/2021, Mr. Rahul D. Vikhe attended FDP on "Building Life & Fire Safety" organized by ATAL academy.



SEPTEMBER 2021/PDVVPIT/CIVIL/04, 11/09/2021, Mrs. Nikita R. Kadu, Ms. Vaishali S. Mhaske & Ms. P. A. Vikhe attended PRAVARA-IETEPAC weekly webinar series session 17 on "Role of Signal & Image Processing" organized by PREC, Loni.







LOKNETE, DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
LONI



# CERTIFICATE

This certificate is presented to

**Ms. Mhaske Vaishali somnath**

*from*

P. Dr. V. V. Patil Institute of Technology and Engineering Polytechnic Loni

for participation in the **Webinar Series** organized by  
**IETE Professional Activity Centre "PRAVARA IETE PAC"**

Webinar Session: 17, Entitled:

**Role of Signal & Image Processing in Medical  
Applications**

on 11th September, 2021

Mrs. S.S. Lavhate  
Secretary  
Pravara IETE PAC

Dr. S.M. Gulhane  
Chairman  
Pravara IETE PAC

Dr. KTV Reddy  
Immdt Past President  
IETE

9/11/2021 12:52:58

PRAVARA



LOKNETE, DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
LONI



# CERTIFICATE

This certificate is presented to

**Ms. Pooja Annasaheb Vikhe**

*from*

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

for participation in the **Webinar Series** organized by  
**IETE Professional Activity Centre "PRAVARA IETE PAC"**

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Chairman  
Pravara IETE PAC

Dr. KTV Reddy  
Immdt Past President  
IETE

9/11/2021 12:52:48

PRAVARA

SEPTEMBER2021/PDVVPIT/CIVIL/05, 11-14/09/2021, Mr. Gaurav P. Walhekar attended a workshop on "YOGSHALA" organized by Yoga & Meditation Club Oriental College of Technology, Bhopal.



SEPTEMBER2021/PDVVPIT/CIVIL/06, 17/09/2021, Prof. Mr. Sandip K. Gorde attended a webinar on "Skill Sets for 21<sup>st</sup> Century Civil Engineers" organized by Presidency University, Bangalore.





SEPTEMBER 2021/PDVVPIT/CIVIL/07, 17-21/09/2021, Mrs. Vaishali S. Mhaske attended FDP on "Sustainable Development through Bamboos" organized by ATAL academy.



OCTOMBER 2021/PDVVPIT/CIVIL/01, 01/10/2021, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe attended workshop On "IPR & Patent & Design Process" organized by Sanjay Ghodawat Polytechnic, Nagpur.







Sou. Sushila Danchand Ghodawat Charitable Trust's  
**Sanjay Ghodawat Polytechnic, Atigre**

Approved by AICTE, New Delhi and Affiliated to MSBTE, Mumbai  
All Programs Accredited By NBA, New Delhi

**ONLINE WORKSHOP ON**  
Intellectual Property Rights (IPR) - Patent & Designs Process

**CERTIFICATE OF PARTICIPATION**

This certificate is presented to  
**Rahul Dattatray vikhe**

In recognition of successful completion of online workshop on  
"Intellectual Property Rights (IPR) - Patent & Designs Process" organized by  
Sanjay Ghodawat Polytechnic, Atigre In Association with RGNIPM, Nagpur On 1/10/2021.

Thank you!

1-10-2021

5TTVIA-CE000030



**Mr. Virat V. Giri**  
Principal

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OCTOMBER 2021/PDVVPIT/CIVIL/02, 03/10/2021, Mr. Gaurav P. Walhekar participated in an International Conference On "Advances in Electric Vehicle Technology" organized by IETE MP Chapter in collaboration with Institution of Engineers, Gwalior.

International Conference in virtual mode on  
"Advances in Electric Vehicle Technology"  
03 October, 2021

**Certificate of Participation**

This is to certify that Gaurav Pradip Walhekar from P. Dr. V. Vikhe Patil Polytechnic Loni from India has attended the International Conference in virtual mode on "Advances in Electric Vehicle Technology" on 03rd Oct, 2021 organized by IETE MP Chapter in collaboration with Institution of Engineers, Gwalior Local Centre, India.



**Dr. P K Singhal**  
Chairperson, IETE MP Chapter  
Professor, MITS, Gwalior, India

OCTOMBER 2021/PDVVPIT/CIVIL/03, 06/10/2021, Ms. Pooja A. Vikhe organized a webinar On "Rehabilitation of Structures" for SYCE & TYCE.



OCTOMBER 2021/PDVVPIT/CIVIL/04, 06/10/2021, Mr. Sandip K. Gorde, Ms. Vaishali S. Mhaske, Ms. Pooja A. Vikhe, Mrs. Nikita R. Kadu, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe attended a webinar on "Rehabilitation of Structures" organized by Civil Engineering Department of Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni.





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



# CERTIFICATE

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**Vaishali somnath Mhaske**

*For participation in the One Day Webinar on "Rehabilitation of Structure" organized by Civil Engineering Department of P. Dr. V. V. Patil Institute of Technology and Engineering (Polytechnic), Loni on 6th October, 2021*

  
**MS. P. A. VIKHE**  
Coordinator

  
**MR. S. K. GORDE**  
H.O.D

  
**DR. V. R. RATHI**  
Principal

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PRAVARA RURAL EDUCATION SOCIETY'S  
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OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)  
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**Pooja Annasahebe Vikhe**

*For participation in the One Day Webinar on "Rehabilitation of Structure" organized by Civil Engineering Department of P. Dr. V. V. Patil Institute of Technology and Engineering (Polytechnic), Loni on 6th October, 2021*

  
**MS. P. A. VIKHE**  
Coordinator

  
**MR. S. K. GORDE**  
H.O.D

  
**DR. V. R. RATHI**  
Principal

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OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)**  
LONI



# CERTIFICATE

*THIS CERTIFICATE IS PROUDLY PRESENTED TO*

**Nikita Rahul Kadu**

*For participation in the One Day Webinar on "Rehabilitation of  
Structure" organized by Civil Engineering Department of P. Dr. V. V.  
Patil Institute of Technology and Engineering (Polytechnic), Loni  
on  
6th October, 2021*

**MS. P. A. VIKHE**

Coordinator

**MR. S. K. GORDE**

H.O.D

**DR. V. R. RATHI**

Principal

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PRAVARA RURAL EDUCATION SOCIETY'S  
**PADMASHRI DR.VITTHALRAO VIKHE PATIL INSTITUTE  
OF TECHNOLOGY & ENGINEERING (POLYTECHNIC)**  
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*THIS CERTIFICATE IS PROUDLY PRESENTED TO*

**Gaurav Pradip Walhekar**

*For participation in the One Day Webinar on "Rehabilitation of  
Structure" organized by Civil Engineering Department of P. Dr. V. V.  
Patil Institute of Technology and Engineering (Polytechnic), Loni  
on  
6th October, 2021*

**MS. P. A. VIKHE**

Coordinator

**MR. S. K. GORDE**

H.O.D

**DR. V. R. RATHI**

Principal

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PADMASHRI DR. VITTHALRAO VIKHE PATIL INSTITUTE  
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**Rahul Dattatray Vikhe**

For participation in the One Day Webinar on "Rehabilitation of Structure" organized by Civil Engineering Department of P. Dr. V. V. Patil Institute of Technology and Engineering (Polytechnic), Loni on  
6th October, 2021

  
**MS. P. A. VIKHE**  
Coordinator

  
**MR. S. K. GORDE**  
H.O.D

  
**DR. V. R. RATHI**  
Principal

PRAVARA

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OCTOMBER 2021/PDVVPIT/CIVIL/05, 13/10/2021, Mr. Sandip K. Gorde, Mrs. Nikita R. Kadu & Mr. G. P. Walhekar attended a webinar on "Dams & Spillways" organized by Yashwantrao Bhonsale Polytechnic, Sawantwadi.





# YASHWANTRAO BHONSALE POLYTECHNIC



Charathe, Vazarwadi, Tal. Sawantwadi. Dist. Sindhudurg, 416510,  
Approved by AICTE, DTE & Affiliated to MSBTE

## CERTIFICATE

This Certificate is being awarded to

Nikita Rahul Kadu

From

Padmashri Dr. Vitthalrao

Vikhe Patil Polytechnic


For Successfully participation in webinar on

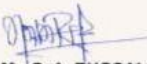
“ Dams and Spillways ” Organized by

Department of Civil Engineering of Yashwantrao Bhonsale Polytechnic, Sawantwadi

Maharashtra on 13 th Oct. 2021

  
Ms. H. S. SHAIKH  
Coordinator

  
Mr. P. P. SAWANT  
HOD

  
Mr. G. A. BHOSALE

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# YASHWANTRAO BHONSALE POLYTECHNIC



Charathe, Vazarwadi, Tal. Sawantwadi. Dist. Sindhudurg, 416510,  
Approved by AICTE, DTE & Affiliated to MSBTE

## CERTIFICATE

This Certificate is being awarded to

Gaurav Pradip

Walhekar

From

P. Dr. V. Vikhe Patil

Polytechnic Loni


For Successfully participation in webinar on


“ Dams and Spillways ” Organized by

Department of Civil Engineering of Yashwantrao Bhonsale Polytechnic, Sawantwadi

Maharashtra on 13 th Oct. 2021

  
Ms. H. S. SHAIKH  
Coordinator

  
Mr. P. P. SAWANT  
HOD

  
Mr. G. A. BHOSALE

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OCTOMBER 2021/PDVVPIT/CIVIL/06, 14/10/2021, Mr. Sandip K. Gorde & Mr. Rahul D. Vikhe attended a webinar on "Open E-Resources" organized by Arts, Science & Commerce College, Rahata.



Shirdi Sai Rural Institute's  
**Arts, Science and Commerce College, Rahata**  
Tal-Rahata, Dist-Ahmednagar (423107 )  
NAAC Re-accredited 'B++' Grade College



## ***Certificate of Participant***

This is to Certify that

**Sandip Kacharu Gorde**

**Lecturer**

**P. Dr. V. Vikhe Patil Polytechnic Loni**

has Attended One Day National Level Webinar on "Open E-Resources"

Organized by Dept. of Library & IQAC On 14th October 2021.

  
Dr. D. T. Satpute  
Co-ordinator

  
Prof. S. V. Lahare  
Principal

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Shirdi Sai Rural Institute's  
**Arts, Science and Commerce College, Rahata**  
Tal-Rahata, Dist-Ahmednagar (423107 )  
NAAC Re-accredited 'B++' Grade College



## ***Certificate of Participant***

This is to Certify that

**Gaurav Pradip Walhekar**

**Lectuter**

**P. Dr. V. Vikhe Patil Polytechnic Loni**

has Attended One Day National Level Webinar on "Open E-Resources"

Organized by Dept. of Library & IQAC On 14th October 2021.

  
Dr. D. T. Satpute  
Co-ordinator

  
Prof. S. V. Lahare  
Principal

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Shirdi Sai Rural Institute's  
**Arts, Science and Commerce College, Rahata**  
Tal-Rahata, Dist-Ahmednagar (423107 )  
NAAC Re-accredited 'B++' Grade College



## **Certificate of Participant**

This is to Certify that **Rahul Dattatray Vikhe**  
**Lecturer** **P.dr.v.v.p.polytechnic.loni**  
has Attended One Day National Level Webinar on "Open E-Resources"  
Organized by Dept. of Library & IQAC On 14th October 2021.

  
Dr. D. T. Satpute  
Co-ordinator

  
Prof. S. V. Lahare  
Principal

Made for free with Certify'em

OCTOMBER 2021/PDVVPIT/CIVIL/07, 21/10/2021, Mr. Sandip K. Gorde, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe attended a webinar on "Concrete Mix Design" organized by Yashwantrao Bhonsale Polytechnic, Sawantwadi.





# YASHWANTRAO BHONSALE POLYTECHNIC



Charathe, Vazarwadi, Tal. Sawantwadi. Dist. Sindhudurg, 416510,  
Approved by AICTE, DTE & Affiliated to MSBTE

## CERTIFICATE

This Certificate is being awarded to  
Gaurav P. Walhekar

From

P. Dr. V. Vikhe Patil

Polytechnic Loni

For Successfully participation in webinar on

“ Concrete mix Design ” Organized by

Department of Civil Engineering of Yashwantrao Bhonsale Polytechnic, Sawantwadi

Maharashtra on 21 th Oct. 2021

Mrs. N. Y. YADAV  
Coordinator

Mr. P. P. SAWANT  
HOD

Mr. G. R. Patil

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# YASHWANTRAO BHONSALE POLYTECHNIC



Charathe, Vazarwadi, Tal. Sawantwadi. Dist. Sindhudurg, 416510,  
Approved by AICTE, DTE & Affiliated to MSBTE

## CERTIFICATE

This Certificate is being awarded to  
Rahul dattatray

Fikhe

P.dr.v.v.p.polytechnic.loni

For Successfully participation in webinar on

“ Concrete mix Design ” Organized by

Department of Civil Engineering of Yashwantrao Bhonsale Polytechnic, Sawantwadi

Maharashtra on 21 th Oct. 2021

Mrs. N. Y. YADAV  
Coordinator

Mr. P. P. SAWANT  
HOD

Mr. G. R. Patil

Made for free with Certify



OCTOBER 2021/PDVVPIT/CIVIL/08, 26-27/10/2021, Mrs. Nikita R. Kadu participated in International e-Conference on "Advanced Horizons in Chemical Sciences-2021" organized by Arts, Science & Commerce College, Satral.



NOVEMBER 2021/PDVVPIT/CIVIL/01, 15/11/2021, Mr. Navnath Gajare, Alumnus of Batch-2009, visited Civil Engineering Department.



NOVEMBER 2021/PDVVPIT/CIVIL/02, 17/11/2021, Mr. Rajesh Shedage, Resident Engineer, ARE Pvt. Ltd. Pune, Alumnus of Batch-2003, visited Civil Engineering Department.



NOVEMBER 2021/PDVVPIT/CIVIL/03, 17/11/2021, Mr. Pratik Game & Miss. Priya Gholap, Alumni of Batch-2015, visited our department.





NOVEMBER 2021/PDVVPIT/CIVIL/04, 22-27/11/2021, Mr. Sandip K. Gorde, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe attended a workshop on "Auto-CAD" organized by Sandip Polytechnic, Nashik.



**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
Approved by AICTE Affiliated to MSBTE  
Trimbak Road, P.O.: Mahiravani,  
Tal & Dist.: Nashik-422213, Tel. No. 0.253-222571  
Email: [principal@sandippolytechnic.org](mailto:principal@sandippolytechnic.org) Website: [sandipfoundation.org](http://sandipfoundation.org) FDLJMK-CE000140

**CERTIFICATE OF PARTICIPATION**

This is to certify that  
**Sandip Kacharu Gorde**  
has successfully attended 6 Days Online Workshop on "Auto-CAD" during 22/11/2021 to 27/11/2021  
Organized by **Department of Civil Engineering, Sandip Polytechnic, Nashik.**

Prof. K.S.Gosavi  
Co-ordinator  
Date: 11/27/2021

Prof. V. O. Patil  
Co-ordinator

Prof. Vilas N. Nikam  
HOD (CED)

Prof. Prashant N. Patil  
Principal

Made for free with Certify'em



**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
Approved by AICTE Affiliated to MSBTE  
Trimbak Road, P.O.: Mahiravani,  
Tal & Dist.: Nashik-422213, Tel. No. 0.253-222571  
Email: [principal@sandippolytechnic.org](mailto:principal@sandippolytechnic.org) Website: [sandipfoundation.org](http://sandipfoundation.org) FDLJMK-CE000073

**CERTIFICATE OF PARTICIPATION**

This is to certify that  
**Gaurav P. Walhekar**  
has successfully attended 6 Days Online Workshop on "Auto-CAD" during 22/11/2022 to 27/11/2022  
Organized by **Department of Civil Engineering, Sandip Polytechnic, Nashik.**

Prof. K.S.Gosavi  
Co-ordinator  
Date: 11/27/2021

Prof. V. O. Patil  
Co-ordinator

Prof. Vilas N. Nikam  
HOD (CED)

Prof. Prashant N. Patil  
Principal

Made for free with Certify'em





DECEMBER 2021/PDVVPIT/CIVIL/01, 04/12/2021, Ms. P. A. Vikhe & Mrs. Nikita R. Kadu attended a webinar on "Importance of Soil Investigation for Infrastructure Projects" organized by Department of Civil Engineering, Presidency University, Bengaluru.





DECEMBER 2021/PDVVPIT/CIVIL/02, 06/12/2021, TYCE students visited Water Treatment & Sewage Treatment Plant of PMT, Loni and were accompanied by Mrs. Nikita R. Kadu & Ms. P. A. Vikhe.



DECEMBER 2021/PDVVPIT/CIVIL/03, 08/12/2021, An expert talk by Mr. R. P. Amale, Associate Professor, Civil Engineering Department, PREC on "Air Pollutants" was organized for TYCE students.





DECEMBER 2021/PDVVPIT/CIVIL/04, 20-24/12/2021, Mr. Sandip K. Gorde, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe participated in One Week STTP Program on "Complete Training on Quality Circle (QC)" organized by NIT Polytechnic, Nagpur.



SHRI SAI SHIKSHAN SANSTHA'S  
**NIT POLYTECHNIC, NAGPUR**  
(All Branches are NBA Accredited)



**ISTE APPROVED 01 WEEK STTP  
CERTIFICATE OF COMPLETION**  
(Online Mode)


(ISTE/PROCEEDINGS/Online STTP-SF-MAH-071/2021-22- Dt 09/12/2021)

This is to certify that **Prof. S. K. Gorde** has successfully completed ISTE approved 01 week STTP programme on "**Complete Training on Quality Circle (QC)**" held during **20-12-2021 to 24-12-2021** organized by **NIT Polytechnic, Nagpur**.


  
Secretary  
Shri Salil Deshmukh  
SSSS, Nagpur

  
Principal  
Prof. Gajanan F. Potbhare  
NIT Polytechnic, Nagpur

Made for free with Certify'em




SHRI SAI SHIKSHAN SANSTHA'S  
**NIT POLYTECHNIC, NAGPUR**  
(All Branches are NBA Accredited)




**ISTE APPROVED 01 WEEK STTP  
CERTIFICATE OF COMPLETION**  
(Online Mode)

(ISTE/PROCEEDINGS/Online STTP-SF-MAH-071/2021-22- Dt 09/12/2021)

This is to certify that **Gaurav Pradip Walhekar** has successfully completed ISTE approved 01 week STTP programme on "**Complete Training on Quality Circle (QC)**" held during **20-12-2021 to 24-12-2021** organized by **NIT Polytechnic, Nagpur**.

  
Secretary  
Shri Salil Deshmukh  
SSSS, Nagpur

  
Principal  
Prof. Gajanan F. Potbhare  
NIT Polytechnic, Nagpur

Made for free with Certify'em





DECEMBER 2021/PDVVPIT/CIVIL/05, 28/12/2021, Students FYCE, SYCE & TYCE participated in the "Poster Presentation Competition" which was organized on the occasion of 5<sup>th</sup> Death Anniversary of our Ex-Chairman, Late Padmabhushan Dr. Balasaheb Vikhe Patil.





DECEMBER 2021/PDVVPIT/CIVIL/06, 30/12/2021, Students of TYCE participated in the "Poster Presentation Competition" which was organized on the occasion of 5<sup>th</sup> Death Anniversary of our Ex-Chairman, Padmabhushan Dr. Balasaheb Vikhe Patil and won prizes.



February 2022/PDVVPIT/CIVIL/01, 04/02/2022, Mr. Gaurav P. Walhekar got the membership of The Indian Institute of Engineers (India).





February 2022/PDVVPIT/CIVIL/02, 04/02/2022, Mr. Akshay Digambar Kumawat (Batch: 2018-19) got placed in Qatar Engineering & Construction Co. WLL, Doha Qatar.



**Congratulations**  
**Dear,**  
**Akshay Digambar Kumawat**  
**Batch - 2019**  
**Designation- Fire Safety Officer**  
**Qatar Engineering &**  
**Construction Co.WLL**  
**Doha Qatar**

1:09 pm

February 2022/PDVVPIT/CIVIL/03, 08/02/2022, Mr. Uttam Shelar, Alumnus (Batch:2007-2008) visited Civil Engineering Department.



February 2022/PDVVPIT/CIVIL/04, 12/02/2022, Mr. Sandip K. Gorde, Ms. Vaishali S. Mhaske, Ms. Pooja A. Vikhe, Mrs. Nikita R. Kadu & Mr. Gaurav P. Walhekar participated in One Day Workshop on "Modern ICT Tools For Teaching Learning Process" organized by Pravara Rural College of Pharmacy, Pravaranagar.



**Pravara Rural Education Society's,  
Pravara Rural College of Pharmacy  
Pravaranagar**



Organized  
**One Day Workshop on  
MODERN ICT TOOLS FOR TEACHING LEARNING PROCESS**

**CERTIFICATE**

This is to certify that, Dr. / Prof. / Mr. / Mrs. / Ms. **Sandip Kacharu Gorde**  
**P. Dr. V. Vikhe Patil Polytechnic Loni**  
has actively participated in One Day Workshop on "**Modern ICT Tools For Teaching Learning Process**" held at Pravara Rural College of Pharmacy, Pravaranagar on 12<sup>th</sup> February 2022.




Mr. Someshwar Mankar  
(Coordinator)




Dr. Sanjay B. Bhawar  
(Principal & Convener)

Certificate ID QU79KO-CE00052

Made for free with Certify'em



**Pravara Rural Education Society's,  
Pravara Rural College of Pharmacy  
Pravaranagar**




Organized  
**One Day Workshop on  
MODERN ICT TOOLS FOR TEACHING LEARNING PROCESS**

**CERTIFICATE**

This is to certify that, Dr. / Prof. / Mr. / Mrs. / Ms. **Prof. Vaishali somnath Mhaske**  
**P. Dr. V. V. Patil institute of technology and engineering polytechnic Loni**  
has actively participated in One Day Workshop on "**Modern ICT Tools For Teaching Learning Process**" held at Pravara Rural College of Pharmacy, Pravaranagar on 12<sup>th</sup> February 2022.



Mr. Someshwar Mankar  
(Coordinator)



Dr. Sanjay B. Bhawar  
(Principal & Convener)

Certificate ID QU79KO-CE000131

Made for free with Certify'em





Pravara Rural Education Society's,  
Pravara Rural College of Pharmacy  
Pravaranagar



Organized  
**One Day Workshop on**  
**MODERN ICT TOOLS FOR TEACHING LEARNING PROCESS**  
**CERTIFICATE**

This is to certify that, Dr. / Prof. / Mr. / Mrs. / Ms. **Pooja Annasahebe Vikhe**  
**P.Dr.V.Vikhe Patil Institute of technology (polytechnic) college Loni**  
has actively participated in One Day Workshop on **“Modern ICT Tools For Teaching Learning Process”** held at Pravara Rural College of Pharmacy, Pravaranagar on 12<sup>th</sup> February 2022.

Mr. Someshwar Mankar  
(Coordinator)

Dr. Sanjay B. Bhawar  
(Principal & Convener)

Certificate ID QU79KO-CE000132

Made for free with Certify'em



Pravara Rural Education Society's,  
Pravara Rural College of Pharmacy  
Pravaranagar



Organized  
**One Day Workshop on**  
**MODERN ICT TOOLS FOR TEACHING LEARNING PROCESS**  
**CERTIFICATE**

This is to certify that, Dr. / Prof. / Mr. / Mrs. / Ms. **Nikita Rahul Kadu**  
**P. Dr. V. V. P. Polytechnic, Loni**  
has actively participated in One Day Workshop on **“Modern ICT Tools For Teaching Learning Process”** held at Pravara Rural College of Pharmacy, Pravaranagar on 12<sup>th</sup> February 2022.

Mr. Someshwar Mankar  
(Coordinator)

Dr. Sanjay B. Bhawar  
(Principal & Convener)

Certificate ID QU79KO-CE000129

Made for free with Certify'em





Pravara Rural Education Society's,  
Pravara Rural College of Pharmacy  
Pravaranagar



Organized  
**One Day Workshop on**  
**MODERN ICT TOOLS FOR TEACHING LEARNING PROCESS**  
**CERTIFICATE**

This is to certify that, Dr. / Prof. / Mr. / Mrs. / Ms. **Gaurav Pradip Walhekar**

**P.Dr.V.Vikhe Patil Polytechnic Loni**

has actively participated in One Day Workshop on **“Modern ICT Tools For Teaching Learning Process”** held at Pravara Rural College of Pharmacy, Pravaranagar on 12<sup>th</sup> February 2022.

Mr. Someshwar Mankar  
(Coordinator)

Dr. Sanjay B. Bhawar  
(Principal & Convener)

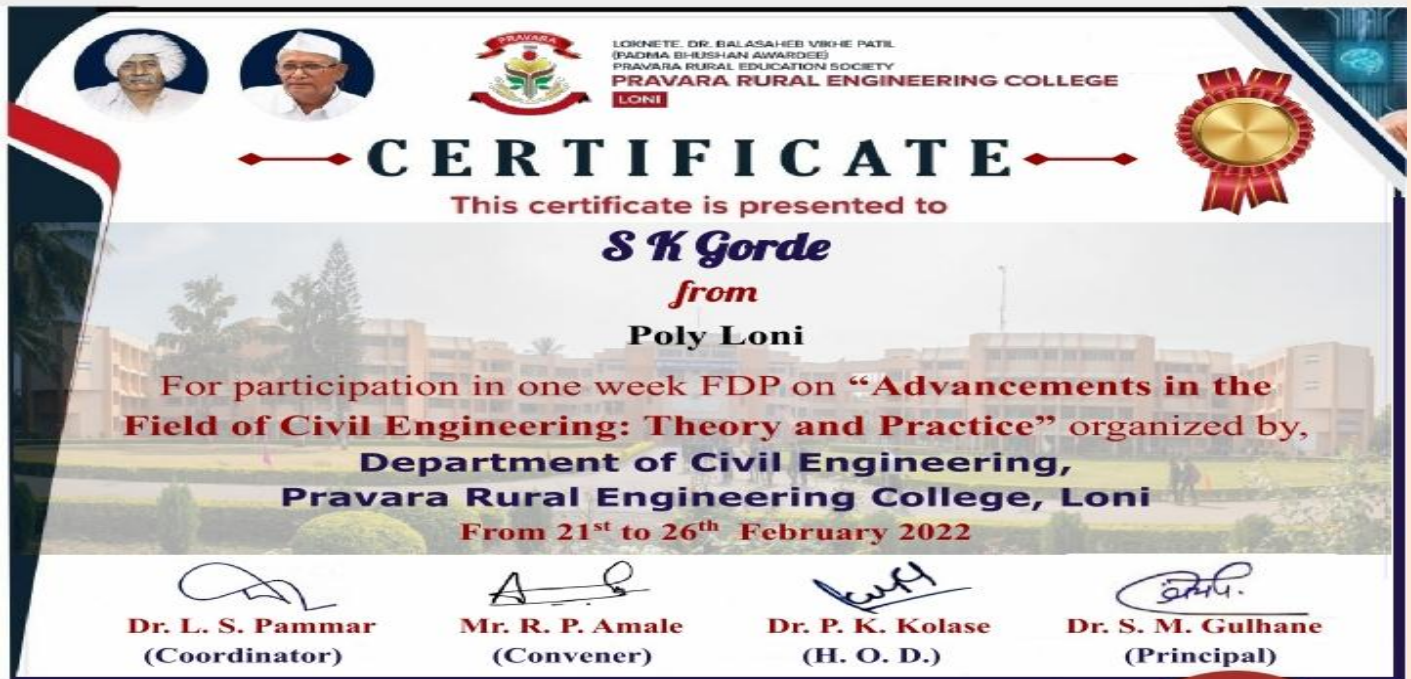
Certificate ID QU79KO-CE000050

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February 2022/PDVVPIT/CIVIL/05, 14/02/2022, Mr. Nitin Shelke, Junior Assistant, Panchayat Samitee, Rahata, Alumnus (Batch: 2005-2006) visited Civil Engineering Department.



February 2022/PDVVPIT/CIVIL/06, 21-26/02/2022, Mr. Sandip K. Gorde, Ms. Vaishali S. Mhaske, Ms. Pooja A. Vikhe, Mrs. Nikita R. Kadu, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe participated in One Week FDP on "Advancements in the Field of Civil Engineering: Theory & Practice" organized by Pravara Rural Engineering College, Loni.







LOKNETE, DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
**LONI**



# CERTIFICATE

This certificate is presented to

***Pooja Annasahebe Vikhe***  
from

**P.Dr.V.Vikhe Patil Institute of technology (engineering)**

**polytechnic Loni**

For participation in one week FDP on "Advancements in the  
Field of Civil Engineering: Theory and Practice" organized by,

**Department of Civil Engineering,  
Pravara Rural Engineering College, Loni**

**From 21<sup>st</sup> to 26<sup>th</sup> February 2022**

**Dr. L. S. Pammar**  
(Coordinator)

**Mr. R. P. Amale**  
(Convener)

**Dr. P. K. Kolase**  
(H. O. D.)

**Dr. S. M. Gulhane**  
(Principal)



LOKNETE, DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
**LONI**



# CERTIFICATE

This certificate is presented to

***Nikita Rahul Kadu***  
from

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

For participation in one week FDP on "Advancements in the  
Field of Civil Engineering: Theory and Practice" organized by,

**Department of Civil Engineering,  
Pravara Rural Engineering College, Loni**

**From 21<sup>st</sup> to 26<sup>th</sup> February 2022**

**Dr. L. S. Pammar**  
(Coordinator)

**Mr. R. P. Amale**  
(Convener)

**Dr. P. K. Kolase**  
(H. O. D.)

**Dr. S. M. Gulhane**  
(Principal)





LOKNETE. DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
PRAVARA RURAL ENGINEERING COLLEGE  
LONI



# CERTIFICATE

This certificate is presented to

**Gaurav Pradip Walhekar**  
from

**P. Dr. V. Vikhe Patil Polytechnic Loni**

For participation in one week FDP on “Advancements in the  
Field of Civil Engineering: Theory and Practice” organized by,  
Department of Civil Engineering,  
Pravara Rural Engineering College, Loni  
From 21<sup>st</sup> to 26<sup>th</sup> February 2022

**Dr. L. S. Pammar**  
(Coordinator)

**Mr. R. P. Amale**  
(Convener)

**Dr. P. K. Kolase**  
(H. O. D.)

**Dr. S. M. Gulhane**  
(Principal)



LOKNETE. DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
PRAVARA RURAL ENGINEERING COLLEGE  
LONI



# CERTIFICATE

This certificate is presented to

**Rahul Dattatray vikhe**  
from

**P.dr.v.v.p.polytechnic,loni**

For participation in one week FDP on “Advancements in the  
Field of Civil Engineering: Theory and Practice” organized by,  
Department of Civil Engineering,  
Pravara Rural Engineering College, Loni  
From 21<sup>st</sup> to 26<sup>th</sup> February 2022

**Dr. L. S. Pammar**  
(Coordinator)

**Mr. R. P. Amale**  
(Convener)

**Dr. P. K. Kolase**  
(H. O. D.)

**Dr. S. M. Gulhane**  
(Principal)

February 2022/PDVVPIT/CIVIL/07, 28/02/2022, Mr. Sandip K. Gorde & Mr. Gaurav P. Walhekar got the membership of "The Indian Society for Technical Education"



February 2022/PDVVPIT/CIVIL/08, 28/02/2022 to 05/03/2022, Mr. Gaurav P. Walhekar completed one-week online FDP on "Recent & Emerging Trends in Structural Engineering" organized by Bansal Institute of Engineering & Technology, Lucknow.





March 2022/PDVVPIT/CIVIL/01, 7-10/03/2022, A training program on "Soft skills & Communication" was conducted by Barclay's Training Institute for the students of TYCE.



March 2022/PDVVPIT/CIVIL/02, 17/03/2022, Students of TYCE viz. Mr. Rahate Kartikey, Mr. Bhalerao Kamlesh, Mr. Gaikwad Aditya, Mr. Shelke Sushil & Mr. Dhage Pruthviraj participated and won 1<sup>st</sup> prize in Project Competition conducted under Annual Social Gathering "DARPAN 2K22".



March 2022/PDVVPIT/CIVIL/03, 21-25/03/2022, Mr. Sandip K. Gorde, Ms. Vaishali S. Mhaske, Ms. Pooja A. Vikhe, Mrs. Nikita R. Kadu, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe participated in One Week FDP on "Outcome Based Teaching-Learning" organized by Pravara Rural Engineering College, Loni.







LOKNETE. DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
**LONI**



## Certificate of Participation

Certified that

**Ms. Vaishali Somnath Mhaske**

working at

**P. Dr. V. V. Patil institute of technology and engineering polytechnic Loni**

has participated in one week Faculty Development Programme (FDP) on

**Outcome Based Teaching-Learning**

organized by Department of Chemical Engineering,

Pravara Rural Engineering College, Loni

from 21<sup>st</sup> to 25<sup>th</sup> March 2022

**Dr. S. B. Magar**  
Convener

**Dr. S. A. Misal**  
Head of Department

**Dr. S. M. Gulhane**  
Principal

3/25/2022 17:15:35

PRAVARA



LOKNETE. DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
**LONI**



## Certificate of Participation

Certified that

**Ms. Pooja Annasahebe Vikhe**

working at

**P. Dr. V. Vikhe Patil Institute of technology (engineering) polytechnic Loni**

has participated in one week Faculty Development Programme (FDP) on

**Outcome Based Teaching-Learning**

organized by Department of Chemical Engineering,

Pravara Rural Engineering College, Loni

from 21<sup>st</sup> to 25<sup>th</sup> March 2022

**Dr. S. B. Magar**  
Convener

**Dr. S. A. Misal**  
Head of Department

**Dr. S. M. Gulhane**  
Principal

3/25/2022 17:15:59

PRAVARA



LOKNETE. DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
**LONI**



## Certificate of Participation

Certified that

**Ms. Nikita Rahul Kadu**

working at

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

has participated in one week Faculty Development Programme (FDP) on

**Outcome Based Teaching-Learning**

organized by Department of Chemical Engineering,

Pravara Rural Engineering College, Loni

from 21<sup>st</sup> to 25<sup>th</sup> March 2022

3/25/2022 17:10:44

**Dr. S. B. Magar**  
Convener

**Dr. S. A. Misal**  
Head of Department

**Dr. S. M. Gulhane**  
Principal

PRAVARA



LOKNETE. DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
**LONI**



## Certificate of Participation

Certified that

**Mr. Walhekar Gaurav Pradip**

working at

**P. Dr. V. Vikhe Patil Polytechnic Loni**

has participated in one week Faculty Development Programme (FDP) on

**Outcome Based Teaching-Learning**

organized by Department of Chemical Engineering,

Pravara Rural Engineering College, Loni

from 21<sup>st</sup> to 25<sup>th</sup> March 2022

3/25/2022 16:52:39

**Dr. S. B. Magar**  
Convener

**Dr. S. A. Misal**  
Head of Department

**Dr. S. M. Gulhane**  
Principal

PRAVARA

Scanned with CamScanner





LOKNETE. DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETY  
**PRAVARA RURAL ENGINEERING COLLEGE**  
**LONI**



## Certificate of Participation

Certified that

**Mr. Rahul Dattatray Vikhe**

working at

P.dr.v.v.polytechnic,loni

has participated in one week Faculty Development Programme (FDP) on  
**Outcome Based Teaching-Learning**  
organized by Department of Chemical Engineering,  
Pravara Rural Engineering College, Loni  
from 21<sup>st</sup> to 25<sup>th</sup> March 2022

**Dr. S. B. Magar**  
Convener

**Dr. S. A. Misal**  
Head of Department

**Dr. S. M. Gulhane**  
Principal

3/25/2022 17:48:52

**PRAVARA**

March 2022/PDVPIT/CIVIL/04, 22/03/2022, Mr. Sandip K. Gorde, Ms. Vaishali S. Mhaske & Mrs. Nikita R. Kadu, pledged for "Mazi Vasundhara MITRA" organized by Government of Maharashtra Environment & Climate Change Department.







March 2022/PDVVPIT/CIVIL/05, 25/03/2022, Site visit of TYCE Students was conducted to a "Biogas Plant" near Aryabhata Hostel of PREC, Loni under the guidance of Mrs. Nikita R. Kadu & Mrs. P. A. Vikhe.



APRIL 2022/PDVVPIT/CIVIL/01, 04/04/2022, Mr. Sagar Balasaheb Gadekar, Alumnus (Batch: 2016-2017) working in S&P, Mumbai visited Civil Engineering Department.



APRIL 2022/PDVVPIT/CIVIL/02, 25-26/04/2022, Mr. Gaurav P. Walhekar & Mr. Rahul D. Vikhe attended Two Days Online FDP on "Teaching Learning Pedagogies" organized by Pravara Rural Engineering College, Loni.

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LOKNETE DR. BALASAHEB VIKHE PATIL  
(PADMA BHUSHAN AWARDEE)  
PRAVARA RURAL EDUCATION SOCIETYS'  
PADMASHRI DR. VITTHALRAO VIKHE PATIL INSTITUTE  
OF TECHNOLOGY & ENGINEERING (POLYTECHNIC), LONI

## CERTIFICATE

This certificate is awarded to **Prof. R. D. Vikhe**  
of **P. Dr. Vitthalrao Vikhe Patil Instt. of Tech. & Engg. (Polytechnic), Loni**  
for successfully attending Two Days Online State Level FDP on  
**"TEACHING LEARNING PEDAGOGIES"**  
from 25th to 26th April, 2022 organized by Department of Computer  
Technology of this Institute.

Prof. A. A. Nibe  
Coordinator

Prof. S. S. Bhosale  
HOD

Dr. V. R. Rathi  
Principal

Tel: 02422-273484/272151  
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APRIL 2022/PDVVPIT/CIVIL/03, 28/04/2022, a State Level Paper Presentation Competition "CIVIL TECH 2022" was organized by Civil Engineering Department of Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni.

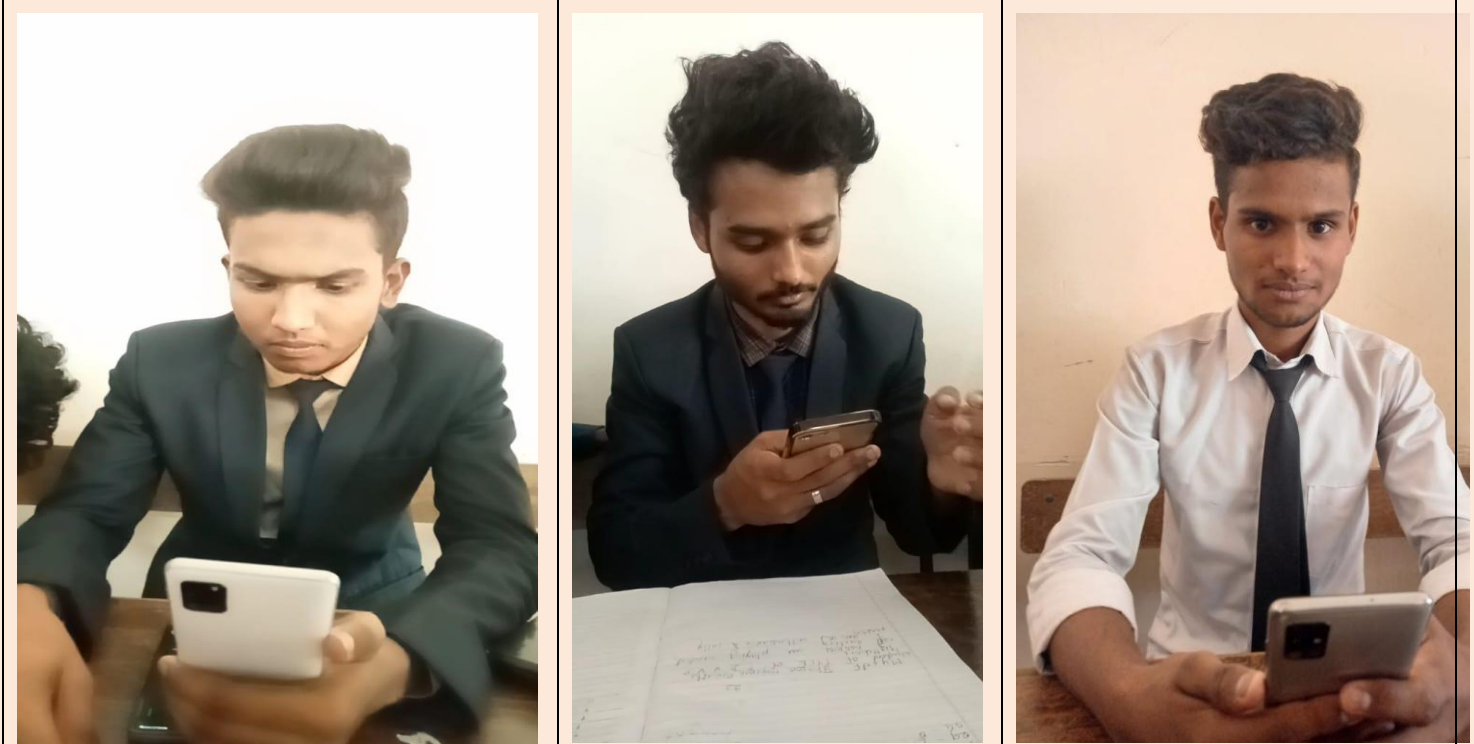


APRIL 2022/PDVVPIT/CIVIL/04, 29/04/2022, a "Parent-Teacher-Student Meet" was organized for SYCE & TYCE students by Civil Engineering Department of Padmashri Dr. Vitthalrao Vikhe Patil Institute of Technology & Engineering (Polytechnic), Loni.





MAY 2022/PDVVPIT/CIVIL/01, 02/05/2022, Students of TYCE Mr. Aditya Udage, Mr. Mayuresh Bhambre & Mr. Sudhir Kanthali attended an online interviews which were scheduled by Toyo Engineering, Mumbai.



MAY 2022/PDVVPIT/CIVIL/02, 24/05/2022, Mrs. Nikita R. Kadu attended the District Level Online Conference on "Swachh Peyjal" organized by Government Polytechnic, Ahmednagar.

  
Directorate of Technical Education  
Maharashtra, Mumbai, India

  
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STATE BOARD OF TECHNICAL EDUCATION  
MAHARASHTRA - INDIAN STATE

**On occasion of 75<sup>th</sup> Anniversary of Indian Independence**  
**District Level Online Conference on "Swachh Peyjal"**  
This is to certify that

**Prof. Nikita Rahul Kadu**  
**P.Dr.V.V.Patil Instt.Of Technology Poly.**  
has attended in the District Level Online Conference on "Swachh Peyjal"  
Organized by Government Polytechnic, Ahmednagar jointly with Amrutvahini  
Polytechnic Sangamner, Sanjivani K.B.P. Polytechnic Kopergaon and  
S.S.M.Adsul Polytechnic, Chas held on 24<sup>th</sup> May 2022.

  
Convener

  
Chief Convener

# Students Corner

## **Title: "Importance of Natural Disaster Resistant Infrastructure in Civil Engineering"**

Natural Disaster Resistant Infrastructure (NDRI) is a key aspect of civil engineering that aims to design and construct structures that can protect people and property from the damages and losses caused by natural disasters, such as earthquakes, floods, landslides, hurricanes, and wildfires. NDRI ensures that the structures are resilient, durable, and adaptable to cope with and recover from the impacts of climate change.

Civil engineers play a vital role in advancing NDRI by integrating innovative, eco-friendly solutions and technologies into every stage of the project lifecycle, from planning and design to construction and maintenance. Civil engineers also collaborate with other experts and stakeholders to assess and reduce the disaster risk, educate and build the capacity of policymakers and practitioners, and promote the benefits of NDRI for sustainable development and climate action.

**Mr. Sushant Gade**

## **Title: "Artificial intelligence in smart construction design"**

Artificial intelligence (AI) is increasingly being used in various industries, including civil engineering. In the field of smart construction design, AI can be leveraged to improve efficiency, accuracy, and safety in the design and planning of construction projects.

One of the ways AI is being used in smart construction design is through the use of algorithms that can analyze large amounts of data and provide insights and predictions that can inform the design process. For example, machine learning algorithms can be used to analyze data on construction materials, labor costs, and project timelines, and provide insights on the most cost-effective and efficient design options.

Another use of AI in smart construction design is through the development of virtual reality (VR) and augmented reality (AR) technologies. These technologies can be used to create virtual models of construction projects, allowing designers and engineers to visualize the completed project and identify potential issues before construction begins. This can save time and money by catching potential problems early on in the design process.

AI can also be used in the construction process itself through the use of robotics and autonomous equipment. For example, robots can be used for tasks such as welding, painting, and heavy lifting, improving efficiency and safety on the construction site. Autonomous equipment such as drones can also be used for tasks such as surveying and inspection, reducing the need for workers to perform these tasks manually.



Overall, the use of AI in smart construction design has the potential to greatly improve the efficiency, accuracy, and safety of the construction process. By leveraging algorithms, VR/AR technologies, and robotics, civil engineers can create more effective and efficient designs, leading to more successful construction projects.

In addition to the potential benefits mentioned above, the use of AI in smart construction design can also help address the challenges faced by the construction industry. For example, the construction industry has traditionally been slow to adopt new technologies, which has led to inefficiencies and a lack of innovation. By incorporating AI into the design process, construction companies can take advantage of the latest technological developments and improve their competitiveness.

Furthermore, the construction industry faces a significant labor shortage, with a growing number of workers retiring and not enough new workers entering the field to replace them. The use of AI and robotics in construction can help address this labor shortage by taking on tasks that would normally be performed by human workers. This can not only help improve efficiency on the construction site, but also make the industry more attractive to young workers who may be interested in working with cutting-edge technologies.

In conclusion, the use of AI in smart construction design has the potential to greatly improve the efficiency, accuracy, and safety of the construction process. By leveraging algorithms, VR/AR technologies, and robotics, civil engineers can create more effective and efficient designs, leading to more successful construction projects. Additionally, the use of AI can help address some of the challenges faced by the construction industry, such as a lack of innovation and a labor shortage. As AI technology continues to advance, we can expect to see even more applications of AI in the field of smart construction design.

**Mr. Sarthak Bhagat**

## **Title: "Revolutionizing Urban Landscapes with Geotechnical Engineering"**

Urbanization's rapid pace demands innovative solutions in geotechnical engineering to ensure stable and sustainable development. Engineers are pioneering advancements in foundation design and ground improvement techniques to accommodate expanding cities. From advanced soil stabilization methods to geosynthetic reinforcements, these innovations enhance the resilience of structures against subsidence and ground movements. Ground-penetrating radar and remote sensing technologies play a crucial role in site characterization, enabling engineers to make informed decisions. Additionally, sustainable practices, such as rainwater harvesting through permeable pavements, are integrated into urban planning. As cities evolve, geotechnical engineering becomes a cornerstone in creating robust and environmentally conscious urban landscapes, ensuring the longevity and stability of structures in the face of urban challenges.

**Mr. Avdhut Game**

## **Title: "Geotechnical Engineering at the Forefront: Innovations Shaping the Future"**

Geotechnical engineering is experiencing a wave of transformative developments, revolutionizing the way we approach and address ground-related challenges in construction and infrastructure projects. Advanced soil mechanics, coupled with state-of-the-art technologies, is reshaping the field. Ground improvement techniques, such as deep soil mixing and dynamic compaction, are increasingly employed to enhance the stability of foundations. Geosynthetics and reinforced soil structures are offering sustainable alternatives for retaining walls and embankments. The integration of artificial intelligence and machine learning is enabling more accurate predictions of soil behavior, optimizing design processes and minimizing uncertainties. As climate change impacts become more apparent, geotechnical engineering is adapting with resilient solutions, incorporating climate-sensitive design considerations. This article explores the dynamic landscape of geotechnical engineering, highlighting the diverse range of innovations that are propelling the field into a new era of efficiency, sustainability, and adaptability.

**Miss. Rutuja Kardile**

## **Title: "Innovations in Sustainable Bridge Design"**

Civil engineering continues to witness transformative advancements, with a focus on sustainable infrastructure. One notable area of innovation is in bridge design, where engineers are implementing eco-friendly solutions. From materials to construction techniques, the emphasis is on reducing environmental impact without compromising structural integrity. High-strength, low-carbon concrete blends, recycled steel, and innovative composite materials are gaining prominence. Additionally, smart technologies such as sensors and monitoring systems enhance the longevity and safety of bridges. These sustainable practices not only address environmental concerns but also contribute to cost-effectiveness over the lifespan of structures. As civil engineers strive for greener solutions, the future of bridge design promises a harmonious balance between infrastructure development and environmental stewardship.

**Miss. Harshada Shirsath**



# **Title: "The Most Iconic Bridges in the World and their Unique Engineering Feats"**

## **1. Golden Gate Bridge, San Francisco, United States**

The Golden Gate Bridge is one of the most recognizable landmarks in the world, and it has become an iconic symbol of San Francisco. The bridge spans over 1.7 miles and connects San Francisco to Marin County. What makes this bridge unique is its suspension design, which allows it to withstand the strong winds and earthquakes that are common in the region. The bridge's two main cables are each made up of 27,572 strands of wire, providing incredible strength and flexibility.

## **2. Tower Bridge, London, United Kingdom**

The Tower Bridge in London is a Victorian-era masterpiece that is still in use today. The bridge spans the River Thames and is made up of two towers connected by a walkway. The bridge's unique design allows it to open and close, allowing boats to pass through. The bridge's hydraulic system was revolutionary at the time, and it still works to this day.

## **3. Sydney Harbour Bridge, Sydney, Australia**

The Sydney Harbour Bridge is one of Australia's most iconic landmarks. The bridge spans Sydney Harbour and is made up of a steel arch design. What makes this bridge unique is the fact that it was designed and built during the Great Depression, providing much-needed employment for many Australians. The bridge's construction also involved some impressive feats of engineering, including the use of a massive temporary workshop that was built on top of the bridge itself.

## **4. Brooklyn Bridge, New York City, United States**

The Brooklyn Bridge is a suspension bridge that spans the East River in New York City. When it was completed in 1883, it was the longest suspension bridge in the world. The bridge's unique design allows it to handle heavy traffic and strong winds, and it has become an iconic symbol of New York City.

## **5. Akashi-Kaikyo Bridge, Kobe, Japan**

The Akashi-Kaikyo Bridge is the longest suspension bridge in the world, spanning over 2 miles. The bridge connects Kobe to Awaji Island and was built to withstand earthquakes and strong winds. The bridge's unique design includes two main towers that support the suspension cables and allow the bridge to handle the weight of heavy traffic.

## **6. Millau Viaduct, Millau, France**

The Millau Viaduct in France is the tallest bridge in the world, with a height of 1,125 feet. The bridge spans the Tarn River Valley and is made up of an elegant cable-stayed design. The bridge's unique design allows it to handle strong winds and extreme weather conditions.

## **7. Forth Bridge, Edinburgh, United Kingdom**

The Forth Bridge in Edinburgh is a cantilever bridge that spans the Firth of Forth. The bridge's unique design allowed it to be built without the need for scaffolding, and it has become an iconic symbol of Scotland. The bridge's distinctive red color also makes it stand out from other bridges around the world.

**Mr. Nomaan Patel & Mr. Darshan Dhobale**

## **Title: "Rainwater Harvesting"**

Rainwater harvesting is the simple process or technology used to conserve rainwater by collecting, storing, conveying and purifying of rainwater that runs off from rooftops, parks, roads, open grounds, etc. for later use. All living things including plants, animals and human beings need water to live and to carry out different cellular activities.

Have you ever imagined a day without water?

No, we have not and it is hard to imagine. We all use water for different kinds of day to day activities, such as cleaning, washing, bathing, cooking, drinking and other domestic and industrial uses.

Water is a precious, essential and an abiotic component of the ecosystem. Today we all are heading toward the scarcity of water, and this is mainly because of the lack of water conservation and pollution of water bodies. So, let us not waste a drop of water and start conserving water for further use.

Rainwater harvesting systems consists of the following components:

Catchment- Used to collect and store the captured rainwater.

Conveyance system – It is used to transport the harvested water from the catchment to the recharge zone.

Flush- It is used to flush out the first spell of rain.

Filter – Used for filtering the collected rainwater and removing pollutants.

Tanks and the recharge structures: Used to store the filtered water which is ready to use.

The process of rainwater harvesting involves the collection and the storage of rainwater with the help of artificially designed systems that run off naturally or man-made catchment areas like- the rooftop, compounds, rock surface, hill slopes, artificially repaired impervious or semi-pervious land surface.

Several factors play a vital role in the amount of water harvested. Some of these factors are:

The quantum of runoff

Features of the catchments

Impact on the environment

Availability of the technology

The capacity of the storage tanks

Types of the roof, its slope and its materials

The frequency, quantity and the quality of the rainfall

The speed and ease with which the rainwater penetrates through the subsoil to recharge the groundwater.

### **Why do we Harvest Rainwater?**

The rainwater harvesting system is one of the best methods practiced and followed to support the conservation of water. Today, scarcity of good quality water has become a significant cause of concern. However, rainwater, which is pure and of good quality, can be used for irrigation, washing, cleaning, bathing, cooking and also for other livestock requirements.



### **Advantages of Rainwater Harvesting**

The benefits of the rainwater harvesting system are listed below:

Less cost.

Helps in reducing the water bill.

Decreases the demand for water.

Reduces the need for imported water.

Promotes both water and energy conservation.

Improves the quality and quantity of groundwater.

Does not require a filtration system for landscape irrigation.

This technology is relatively simple, easy to install and operate.

It reduces soil erosion, stormwater runoff, flooding, and pollution of surface water with fertilizers, pesticides, metals and other sediments.

It is an excellent source of water for landscape irrigation with no chemicals, dissolved salts and free from all minerals.

### **Disadvantages of Rainwater Harvesting**

In addition to the great advantages, the rainwater harvesting system has a few disadvantages like unpredictable rainfall, unavailability of the proper storage system, etc.

Listed below are a few more disadvantages of the rainwater harvesting process:

Requires some technical skills for installation.

Limited and no rainfall can limit the supply of rainwater.

If not installed correctly, it may attract mosquitoes and other waterborne diseases.

One of the significant drawbacks of the rainwater harvesting system is storage limits.

**Mr. Karan Ohol & Mr. Krushna Kumavat**

# Thank you



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