



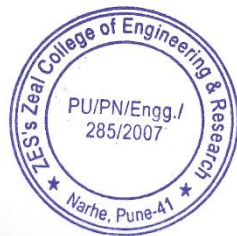
**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**6.3.3 Number of teaching and non-teaching staff participating in  
Faculty development Programmes (FDP), professional development  
/administrative training programs**

**Academic Year 2019-20**

Sr. No.	Title of the FDP / professional development / administrative training program	Number of Participants
1	Teaching Learning Practices in Geotechnical & Foundation Engineering	4
2	Online Syllabus Orientation workshop for SE Civil 2019	1
3	Career Opportunities In Sustainability & Green Buildings	2
4	Introduction To Decentralized On Site Integrated Waste Management System (Dowsiwam)	2
5	Organic Farming	2
6	Career Opportunities in Valuation	1



*[Signature]*  
**HOD**  
Dept of Civil Engineering  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411 041



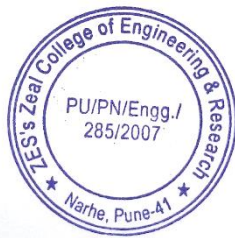
**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**6.3.3 Number of teaching and non-teaching staff participating in  
Faculty development Programmes (FDP), professional development  
/administrative training programs**

**Academic Year 2019-20**

Sr. No.	Title of the FDP / professional development / administrative training program	Number of Participants
7	Role of Drones in Water Management	1
8	Air Pollution- A Global Treat to Our Health	1
9	Municipal Solid Waste Management in Developing Countries	1
10	Water Sector & Employability	1
11	Stack Emission & Health Risk Integrated Modeling of Coal Power Plant	1
12	Mapping and Modeling in Surveying using "Drone"	1



*[Signature]*  
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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**6.3.3 Number of teaching and non-teaching staff participating in  
Faculty development Programmes (FDP), professional development  
/administrative training programs**

**Academic Year 2019-20**

Sr. No.	Title of the FDP / professional development / administrative training program	Number of Participants
13	Municipal Solid Waste Management During COVID-19 Pandemic	1



*[Signature]*  
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**ZEAL EDUCATION SOCIETY**  
CELEBRATING  
20 YEARS OF EDUCATIONAL EXCELLENCE  
FOUNDED 1996 BY DR. S. M. KATKAR



**ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE**  
(Approved by AICTE, New Delhi and affiliated to SP Pune University, Pune)

Department of Civil Engineering

Organizes

One Week Short Term Training Program  
On

**"Teaching Learning Practices in Geotechnical and Foundation Engineering"**

December 09 - 13, 2019

Convener  
Dr. P. P. Walvekar

Co-ordinator  
Prof. P. R. Lanjewar  
Prof. A. R. Bansode

ZES' Zeal College of Engineering and Research,  
S. No. 39, Katraj-Narhe Road, Narhe, Pune  
411 041  
Phone (Off.): 020-67206136  
Mobile: 09604735734  
Email: [pranay.lanjewar@zealeducation.com](mailto:pranay.lanjewar@zealeducation.com)  
Email: [ajay.bansode@zealeducation.com](mailto:ajay.bansode@zealeducation.com)  
Website: [www.zcoer.org](http://www.zcoer.org)

#### ZES

Zeal Education Society is established by Shri S. M. Katkar, an eminent industrialist, in the year 1996 with a vision to provide quality education. Within 20 years of educational excellence, ZES has established English Medium School, Junior College, College of Education, College of Engineering, Management Institutes and various research centers catering educational needs of more than 7000 students.

#### ZCOER

ZCOER is established in 2007 which symbolized the beginning of new era in technical education. The college offers UG engineering degree courses in Civil Engineering, Computer Engineering, and Electrical Engineering, Information Technology, E&TC and Mechanical Engineering. The college also offers PG courses in Computer Engineering, Electrical Engineering (Power System), E&TC (VLSI and Embedded System), Mechanical Engineering (ME Design / CADME) and Master of Business Administration. The institute is also granted as PhD research center in Electronics & Telecommunication and Mechanical Engineering under Savitribai Phule Pune University, Pune (SPPU) since 2013. Recently, institute has been accredited by NAAC with 'A' Grade.

#### Department of Civil Engineering

A new feather in the cap of Zeal Education Society, the Civil Engineering Department was established in 2013. The Department has well qualified, learned and dynamic faculties supported with state of art laboratories to enable the students to carry out research and experiments. We are dedicated to offer the best facilities in every form to help our students become world leaders in their journey.

#### WORKSHOP BACKGROUND

For any civil engineering graduates it is essential to have a knowledge and understanding of geotechnical engineering and foundation design of Structures. A remarkable potential exists for student in the field of consultancy as well as higher education if they have competency in the field of geotechnical and structural design.

Geotechnical Engineering (GTE) deals with the behavior of earth materials like soil and rock in relation to water and design of civil engineering structures appropriately. Foundation Engineering is immensely benefitted by the understanding of fundamental principles of earth materials especially while dealing with major projects and problematic deposits. The foundation behavior cannot be different from the behavior of the supporting medium. It is therefore pertinent to understand the concepts of FDE. In this background, the present five-day workshop is planned with the following objectives.

#### OBJECTIVES:

Developing awareness regarding importance of the subjects as Geotechnical and Foundation engineering amongst faculty members to emphasize the same will be prime motto of this faculty development program. Along with this, following are the objectives

1. To enable the participants to gain the state of the art knowledge in geotechnical and foundation engineering. To make the participant understand the codal provisions and their importance in foundation engineering
2. To enable the participants to teach foundation
3. engineering effectively using principles, case studies and field practices

#### WORKSHOP CONTENT

- Subsurface Investigations for Foundations
- Bearing capacity and Shallow Foundation
- Settlement and Consolidation Settlement
- Deep Foundations
- Cofferdams and Foundation on Black Cotton Soils
- Soil Reinforcement and Earthquake Geo-techniques
- Industry Application in Foundation Engineering
- Computer aided Application in Foundation Engineering

#### RESOURCE PERSONS

- Er. V. R. Phadke, Executive Committee Member, IGS, Pune
- Dr. Satyanarayana Murty Dasaka, Professor, IIT Mumbai
- Dr. C. S. Gokhale, Professor, NICMAR, Pune
- Dr. Vishwas A. Sawant, Associate Professor, IIT Roorkee
- Dr. G. R. Dodagoudar, Professor, IIT Madras.
- Dr. S. T. Shinde, Professor, VIIT, Pune
- Dr. H. B. Dhonde, Director, Ashoka Structural consultant, Pune
- Er. R. K. Kulkarni, Soiltech India Pvt. Ltd, Pune
- Mr. B. N. Jagtap, Tridol Geotech consultants, Pune
- Dr. A.N. Dalvi, Genstru consultant, Pune

#### CHIEF PATRONS

Hon. Shri S. M. Katkar, Founder Director  
Hon. Shri J. S. Katkar, Executive Director

#### PATRONS

Mr. P. V. Khandve, Executive Director, ZES, Pune  
Dr. A. M. Kate, Principal, ZCOER

#### ORGANISING COMMITTEE

- Prof. N. N. Deo
- Prof. G. S. Anaokar
- Prof. A. K. Chorage
- Prof. A. R. Bansode
- Prof. P. K. Nawale
- Prof. A. V. Wakchaure
- Prof. R. M. Raut
- Prof. S. V. Wagh

#### Contact for Registration

Prof. P. R. Lanjewar  
[pranay.lanjewar@zealeducation.com](mailto:pranay.lanjewar@zealeducation.com)  
(020 67206152; 8999366228)

Prof. A. R. Bansode  
[ajay.bansode@zealeducation.com](mailto:ajay.bansode@zealeducation.com)  
(020 67206136; 96047 35734)

#### PARTICIPATION

Students, Research Scholars, Young Scientists, Faculty Members, and Industrial Experts. It includes certificate, workshop kit, Working lunch and tea during respective days.

#### REGISTRATION

The intending participants are requested to register themselves by filling and mailing the preliminary Registration form by 02 December 2019. For online registration, visit-  
<https://forms.gle/mUKscfsv1PeuiiWM7>

#### COURSE FEE

- Students/Res. Scholars: INR 700/-
- Others: INR 1000/-



(Form Filing QR)

#### ACCOMMODATION

Participants will have to arrange accommodation by themselves. However, assistance will be given to find an accommodation outside on payment basis, if asked by the candidate well in advance.

Registration Form  
Short Term Training Program (STTP) on  
**"Teaching Learning Practices in Geotechnical & Foundation Engineering"**  
December 09 - 13, 2019

Name .....

Educational Qualification .....

Student / Faculty

Designation .....

Department .....

Organization .....

Mailing Address

.....

Contact Number .....

E-mail .....

Mode of Payment (Cash/NEFT/RTGS/ Other)

.....

Signature of Participant

For online Registration, visit

<https://forms.gle/mUKscfsv1PeuiiWM7>

The demand draft should be drawn in favour of The Principal, Zeal College of Engineering And Research, Pune' Payable at Pune.

Spot Registration is allowed with prior telephonic confirmation.



**A Report of  
One Week Short Term Training Program  
On**

**“Teaching Learning Practices in Geotechnical and  
Foundation Engineering”**

**Venue** : Seminar Hall (D102), Zeal Institute of Business  
Administration, Computer Application and  
Research, Narhe , Pune-41  
**Date** : December 09 to 13, 2019

**Organized by**



**Zeal Education Society's  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,  
PUNE - 411041.**

**Department of Civil Engineering**



## 1. Introduction to STTP

The department of Civil engineering, organized one week short term training program (STTP) entitled "Teaching Learning Practices in Geotechnical and Foundation engineering" on 09<sup>th</sup> to 13<sup>th</sup> December 2019. Dr. P. P. Walvekar, Head of Civil Department was the convener of this workshop and Prof. P. R. Lanjewar and Prof. A. R. Bansode were Coordinators.

For any civil engineering graduates It is essential to have a knowledge and understanding of geotechnical engineering and foundation design of Structures. A remarkable potential exists for student in the field of consultancy as well as higher education if they have competency in the field of geotechnical and structural design.

This short term training program was comprised of information regarding Subsurface Investigations for Foundations, Bearing capacity and Shallow Foundation, Settlement and Consolidation Settlement, Deep Foundations, Cofferdams and Foundation on Black Cotton Soils, Soil Reinforcement and Earthquake Geotechniques, Industry Application in Foundation Engineering, Computer aided Application in Foundation Engineering. The renowned Professors from IIT's and field practitioners shared their knowledge and experiences about these topics.

The STTP was attended by 15 participants from different colleges in Pune and nearby region of Pune. We were blessed with notable speakers like Mr. V. R. Phadke, Dr. S. T. Shinde , Dr. Satyanarayana Murty Dasaka, Dr. C. S. Gokhale, Er. R. K. Kulkarni , Dr. Vishwas A. Sawant, Mr. B. N. Jagtap, Dr. G. R. Dodagoudar, Dr. A.N. Dalvi and Dr. H. B. Dhonde who showed there imminent presence in this STTP.

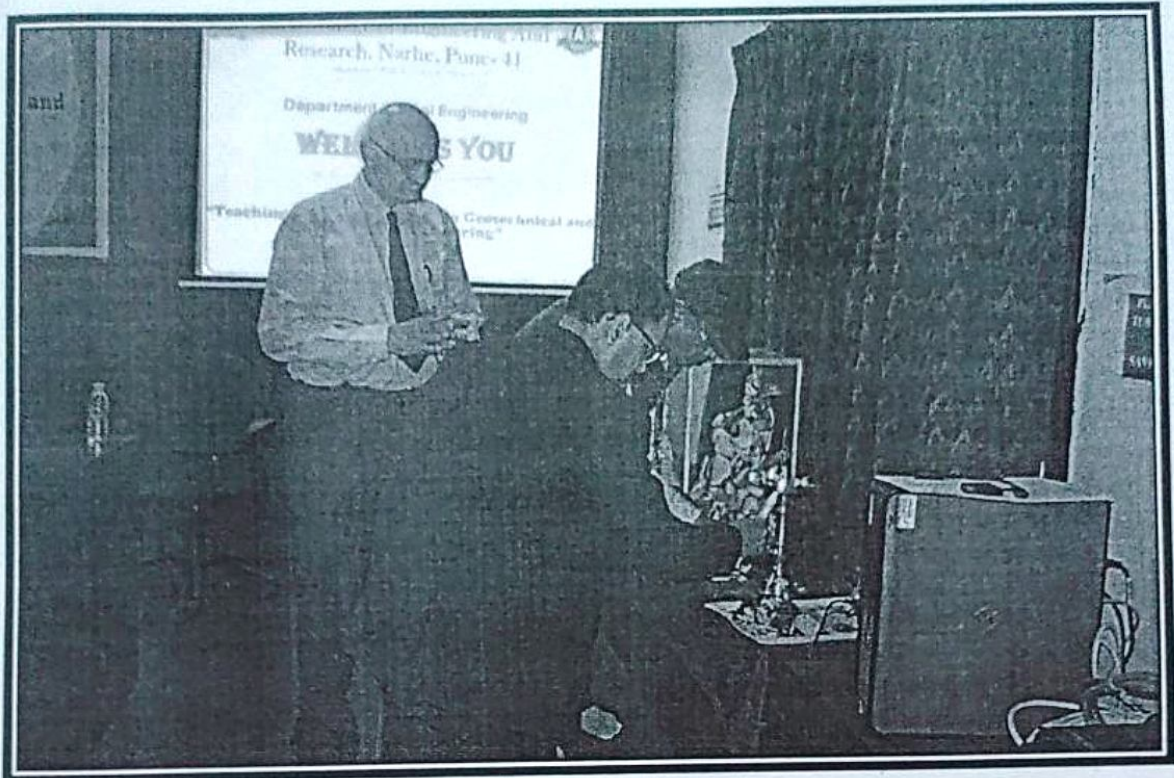
The brief details of events which took place in the span of one week are highlighted below.



## INDEX

Sr. No.	Time	Topic details	Page no.
1	-	Introduction to STTP	3
<b>Day 1: 09/12/2019 (Monday)</b>			
2	9:30 to 10:30	Inauguration program Chief Guest: Er. V. R. Phadke,	4
3	Session 1: 10:30 to 1:00	Keynote Address by Er. V. R. Phadke "Subsurface Investigations for Foundations"	6
4	Session 2: 2:00 to 5:00	"Settlement and Consolidation Settlement" by Dr. S. T. Shinde	7
<b>Day 2: 10/12/2019 (Tuesday)</b>			
5	Session 1: 10:30 to 1:00	"Bearing capacity and Shallow Foundation" by Dr. Satyanarayana Murty Dasaka,	8
6	Session 2: 2:00 to 5:00	"Soil Reinforcement and Earthquake Geo-techniques" by Dr. C. S. Gokhale	10
<b>Day 3: 11/12/2019 (Wednesday)</b>			
7	Session 1: 10:30 to 1:00	"Industry Application in Foundation Engineering" by Er. R. K. Kulkarni	11
8	Session 2: 2:00 to 5:00	"Deep Foundations" by Dr. Vishwas A. Sawant	12
<b>Day 4: 12/12/2019 (Thursday)</b>			
9	Session 1: 10:30 to 1:00	"Industry Application in Foundation Engineering" by Er. B. N. Jagtap	14
10	Session 2: 2:00 to 5:00	"Cofferdams and Foundation on Black Cotton Soils" by Dr. G. R. Dodagoudar	16
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11	Session 1: 10:30 to 1:00	"Computer aided Application in Foundation Engineering" by Dr. A. N. Dalvi	17
12	Session 2: 2:00 to 4:00	"Industry Application in Foundation Engineering" by Dr. H. B. Dhonde	18
13	4.00 to 5.00	Valedictory function	19





Lamp lightning of Maa Sarswati



Dignitaries on the dice



# Day 1

Date: 09<sup>th</sup> Dec, 2019

Sr. No.	Time	Topic	Resource Faculty
1	9:30 to 10:30	Inauguration program	Chief Guest: Er. V. R. Phadke,
2	Session 1: 10:30 to 1:00	"Subsurface Investigations for Foundations"	Keynote Address by Er. V. R. Phadke,
3	Session 2: 2:00 to 5:00	"Settlement and Consolidation Settlement"	Dr. S. T. Shinde,

### Inauguration program

The inauguration function of One Weeks Short Term Training Program on "Teaching Learning Practices in Geotechnical and Foundation engineering" was scheduled on 9<sup>th</sup> Dec, 2019 started at 10.00 am. This function had a presence of a notable personality Er. V. R. Phadke; Executive Committee Member, IGS, Pune. This function was anchored by Prof. N. N. Deo. This function started with a brief introduction of a STTP followed by Saraswati Poojan. This function witnessed the introduction of the chief guest Er. V. R. Phadke by Prof. N. N. Deo. Dr. Suresh Shirbahadurkar, Dean of Academics, gave a brief introduction of college and welcomed all participants for STTP. Dr. P. P. Walvekar, Convener of this workshop, gave a brief introduction of STTP. Er. V. R. Phadke appreciated the theme and content and motivated all participants to enjoy this STTP as a feast of knowledge. Prof. A. R. Bansode, Coordinator of this workshop expressed vote of thanks.

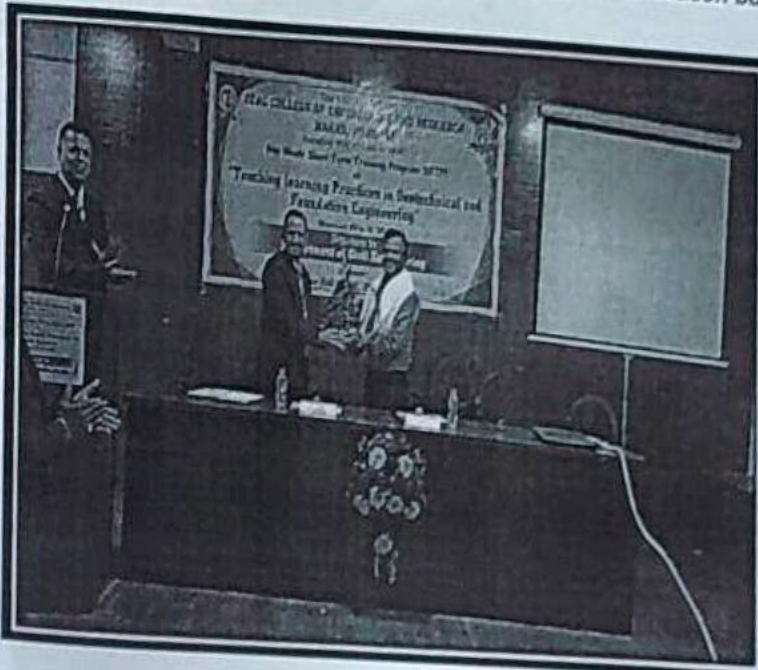


Dr. P.P. Walvekar and Prof. N.N Deo



**Session 2: "Settlement and consolidation settlement" by Dr. S. T. Shinde**

Dr. S. T. Shinde, VIIT, Pune, is a personality who has a vital experience in the field of Geotechnical engineering. He delivered his speech based on topic "Settlement and consolidation settlement". Participants have been interacted with their doubts and clarification based on the concern subject.



Felicitation of Dr. S.T. Shinde

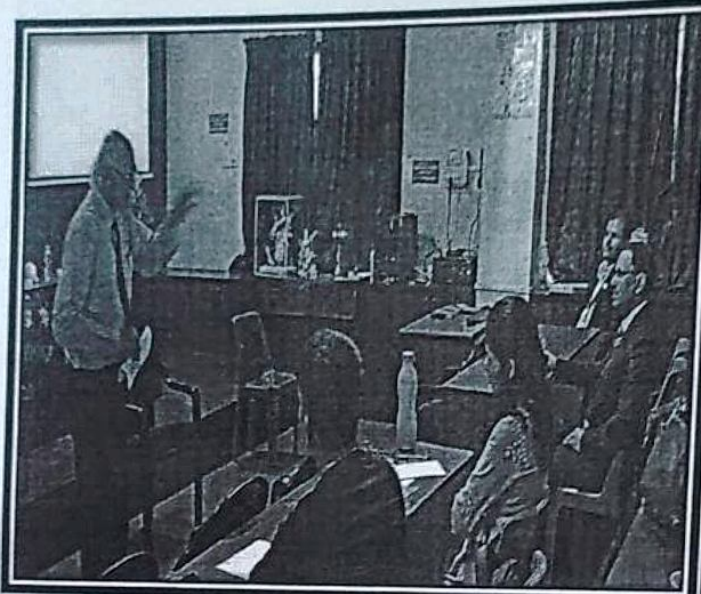


Session by Dr. S.T. Shinde



**Session 1:-"Surface investigation for foundation" by Er. V. R. Phadke.**

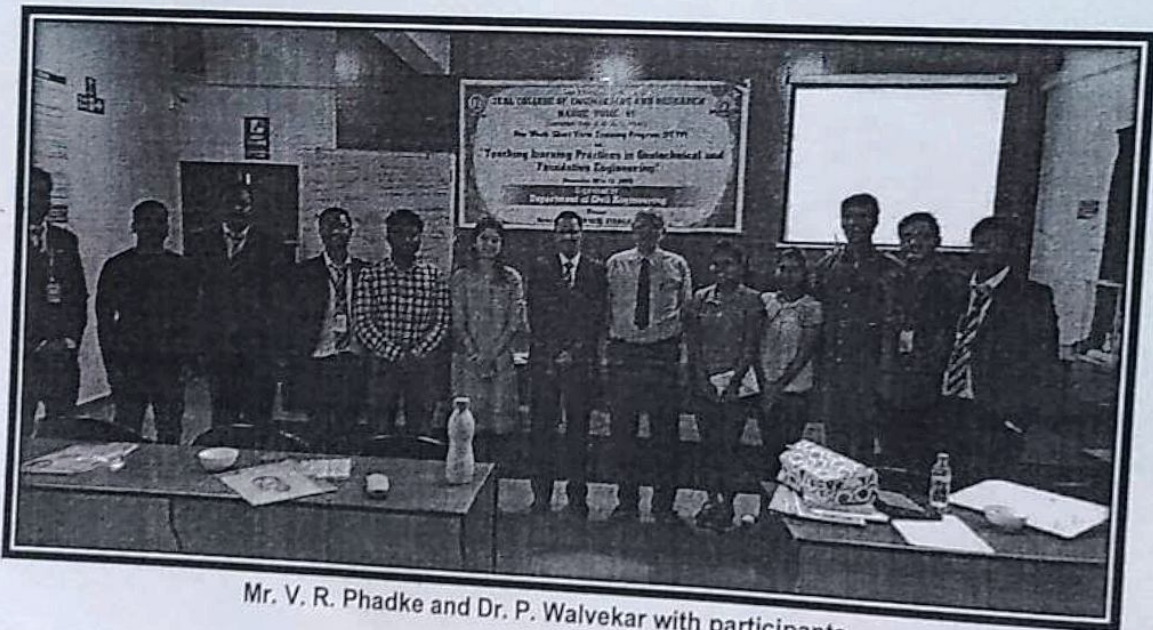
Er. V. R. Phadke, Executive committee member, IGS, Pune started his speech with a brief introduction of himself and how he started his career as a Professor. His ideas and the way he shaped his life as a genius in field of Foundation engineering was a real motivation. He extended discussion on various dimensions of Geotechnical and foundation engineering and related industrial exposures.



Session by Mr. V. R. Phadke

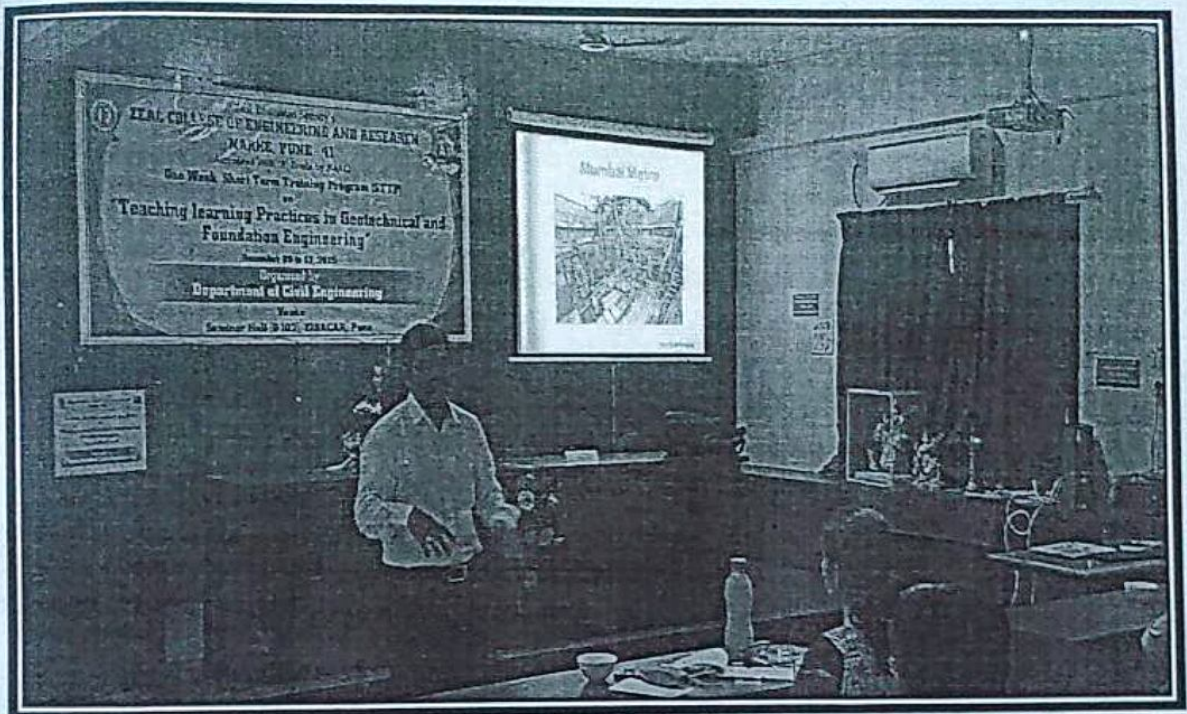


Felicitation of Mr. V. R. Phadke



Mr. V. R. Phadke and Dr. P. Walvekar with participants





Session by Dr. S. D. Murthy



Felicitation of Dr. S. D. Murthy



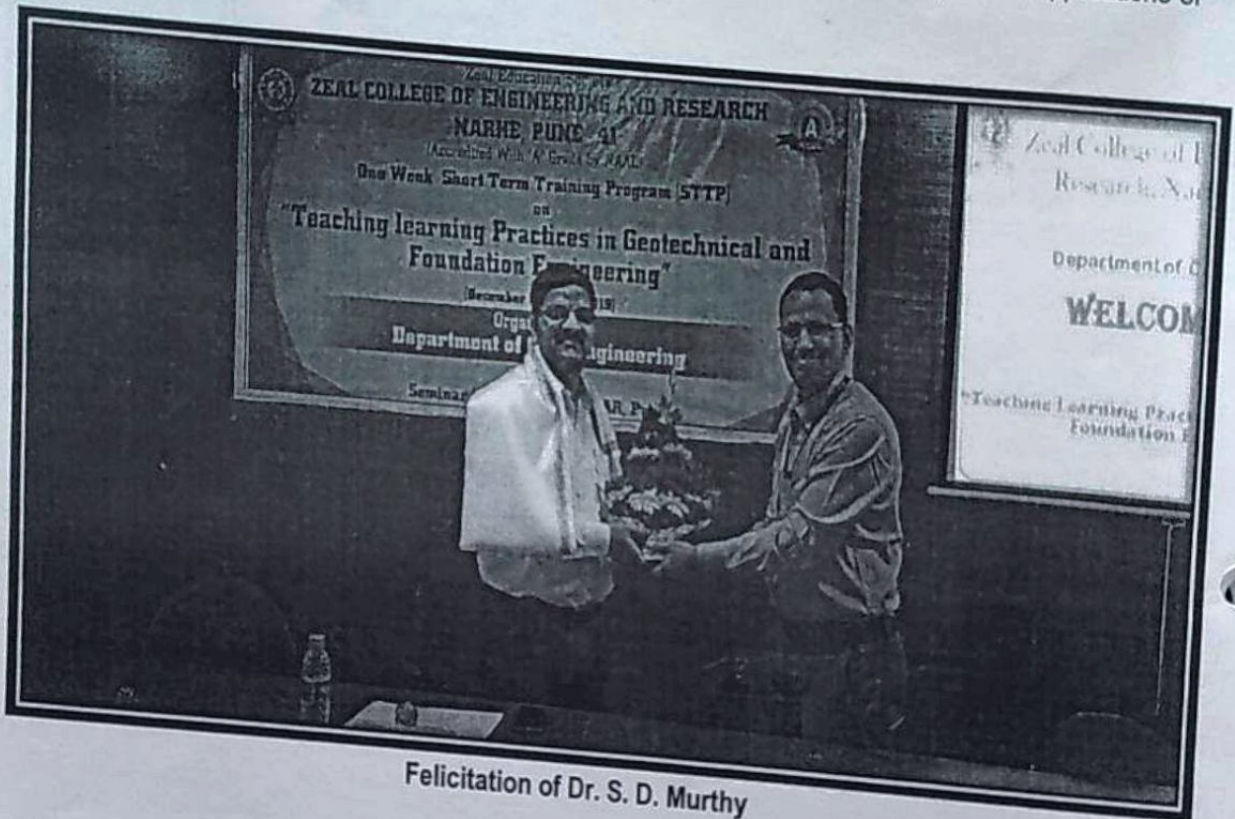
# Day 2

Date: 10<sup>th</sup> Dec, 2019

Sr. No.	Time	Topic	Resource Faculty
1	Session 1: 10:30 to 1:00	"Bearing capacity and Shallow Foundation"	Dr. Satyanarayana Murty Dasaka,
2	Session 2: 2:00 to 5:00	"Soil Reinforcement and Earthquake Geotechniques"	Dr. C. S. Gokhale

## Session 1: "Bearing capacity and Shallow Foundation" by Dr. Satyanarayana Murty Dasaka

On the 10<sup>th</sup> December 1st interactive sessions was executed by Dr. Satyanarayana Murty Dasaka, Professor, IIT Mumbai, where he shared his excellence of knowledge relating with the topic "Bearing capacity and Shallow Foundation". He also shared few case studies to understand practical applications of concern topic.



Felicitation of Dr. S. D. Murthy



# Day 3

Date: 11<sup>th</sup> Dec, 2019

Sr. No.	Time	Topic	Resource Faculty
1	Session 1: 10:30 to 1:00	"Industry Application in Foundation Engineering"	Er. R. K. Kulkarni,
2	Session 2: 2:00 to 5:00	"Deep Foundations"	Dr. Vishwas A. Sawant

Session 1: "Industry Application in Foundation Engineering" by Er. R. K. Kulkarni

On the 11<sup>th</sup> December 1st interactive sessions was executed by Er. R. K. Kulkarni, Soiltech India Pvt. Ltd, Pune, based on topic "Industry Application in Foundation Engineering". He expresses his views toward what industry demand from budding engineers, shared advance technique of soil investigations.

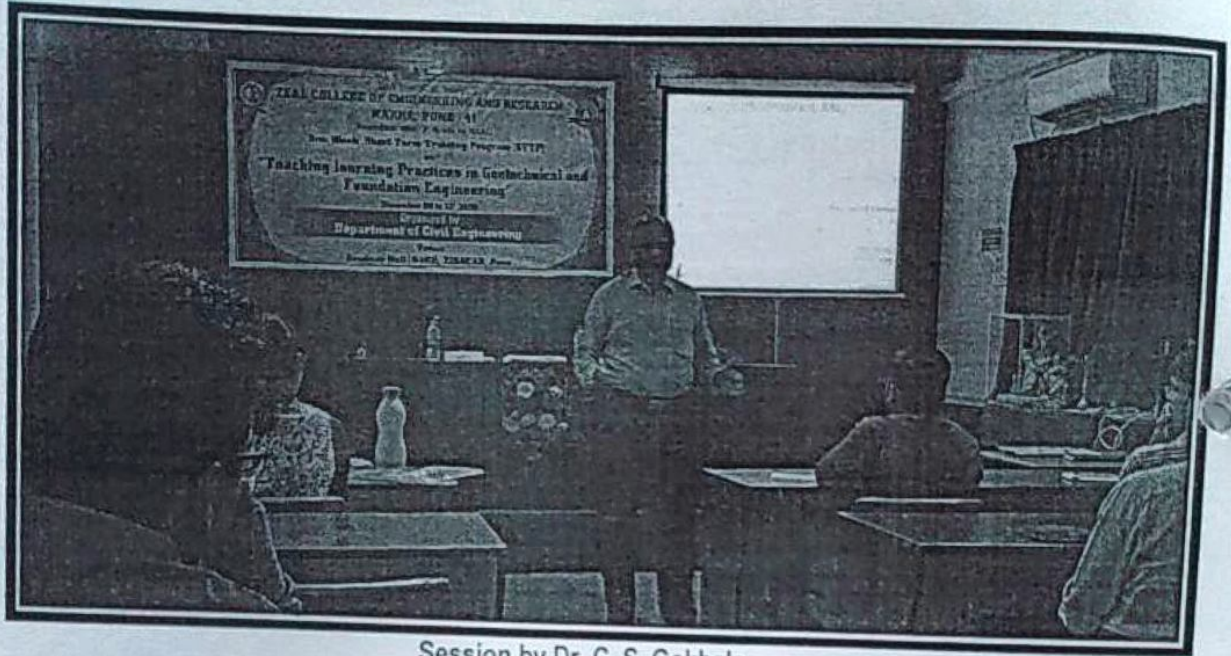


Felicitation of Er. R. K. Kulkarni



**Session 2: "Soil Reinforcement and Earthquake Geo-techniques" by Dr. C. S. Gokhale**

The 2<sup>nd</sup> session was engaged by Dr. C. S. Gokhale, Professor, NICMAR, Pune, based on the topic "Soil Reinforcement and Earthquake Geo-techniques". He shared advanced technique of soil reinforcement ongoing in field. He also shared some case studies based on soil reinforcement.

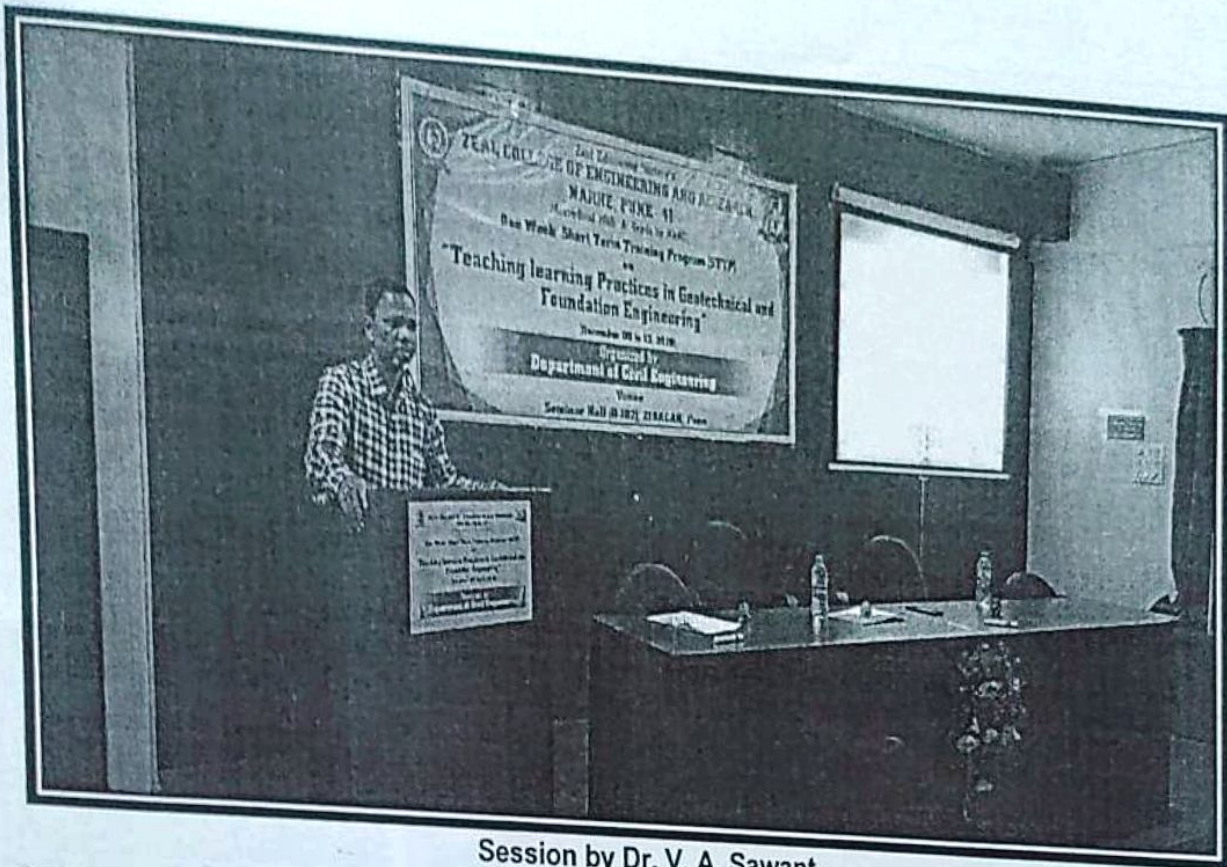


Session by Dr. C. S. Gokhale

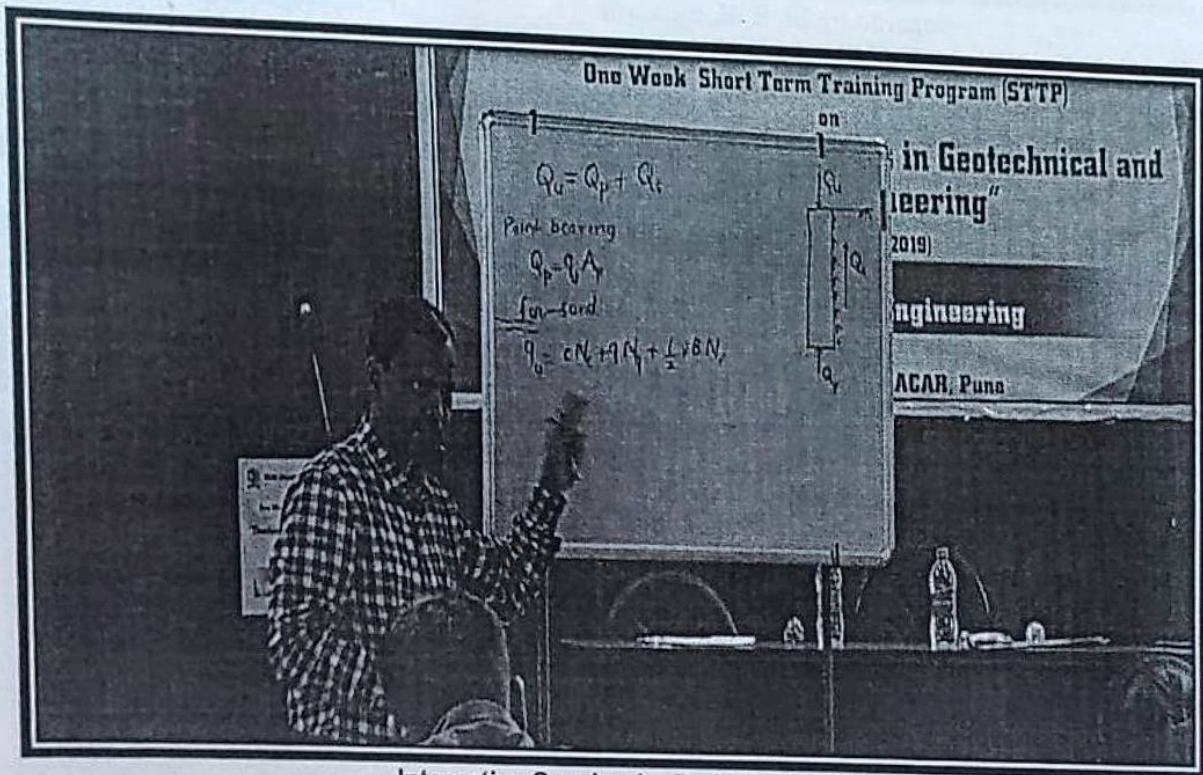


Felicitation of Dr. C. S. Gokhale





Session by Dr. V. A. Sawant



Interactive Session by Dr. V. A. Sawant





Session by Er. R. K. Kulkarni



Felicitation of Er. R. K. Kulkarni

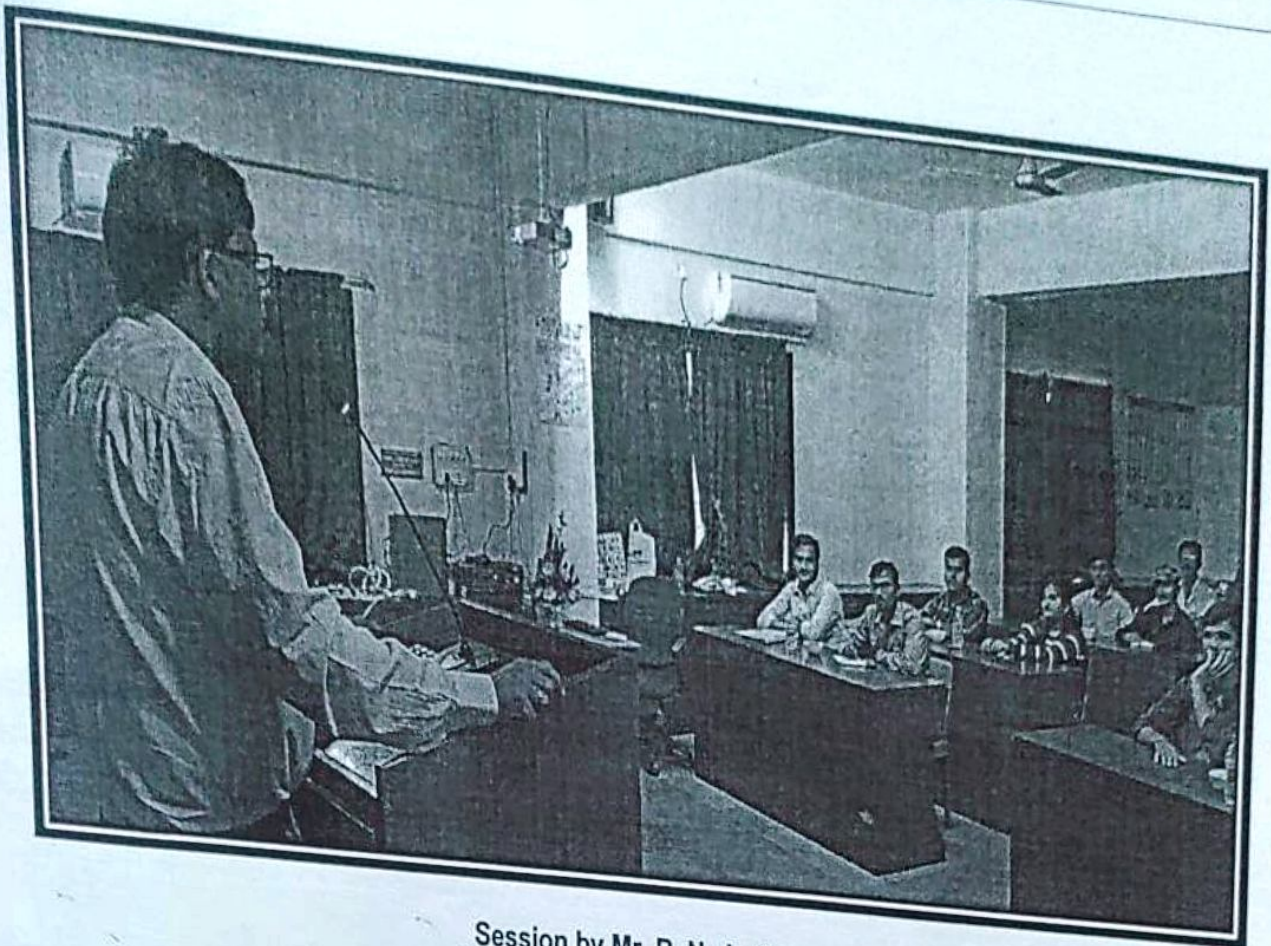
Session 2: "Deep Foundations" by Dr. V. A. Sawant

The 2<sup>nd</sup> session was engaged by Dr. Vishwas A. Sawant, Associate Professor, IIT Roorkee, concerning with the topic "Deep Foundations". He shared his deep knowledge of concerning subject with interactive participants.



Felicitation of Dr. V. A. Sawant





Session by Mr. B. N. Jagtap



Felicitation of Mr. B. N. Jagtap



# Day 4

Date: 12<sup>th</sup> Dec, 2019

Sr. No.	Time	Topic	Resource Faculty
1	Session 1: 10:30 to 1:00	"Industry Application in Foundation Engineering"	Er. B. N. Jagtap
2	Session 2: 2:00 to 5:00	"Cofferdams and Foundation on Black Cotton Soils"	Dr. G. R. Dodagoudar

Session 1: "Industry Application in Foundation Engineering" by Er. B. N. Jagtap

On the 12<sup>th</sup> December 1st interactive sessions was executed by Er. B. N. Jagtap, Tridol Geotech consultants, based on topic "Industry Application in Foundation Engineering". He shared few case studies which are executed and shared problems occurring on the site while execution.



Felicitation of Mr. B. N. Jagtap



# Day 5

Date: 13<sup>th</sup> Dec, 2019

Sr. No.	Time	Topic	Resource Faculty
1	Session 1: 10:30 to 1:00	"Computer aided Application in Foundation Engineering"	Dr. A.N. Dalvi
2	Session 2: 2:00 to 4:00	"Industry Application in Foundation Engineering"	Dr. H. B. Dhonde
3	4.00 to 5.00	Valedictory function	

## Session 1: "Computer aided Application in Foundation Engineering" by Dr. A.N. Dalvi

On the 13<sup>th</sup> December 1st interactive sessions was executed by Dr. A.N. Dalvi, Genstru consultant, Pune. She delivered her Excellency on topic "Computer aided Application in Foundation Engineering". She has started brief information about the firm and given information of advanced software application and scope of development in software's.

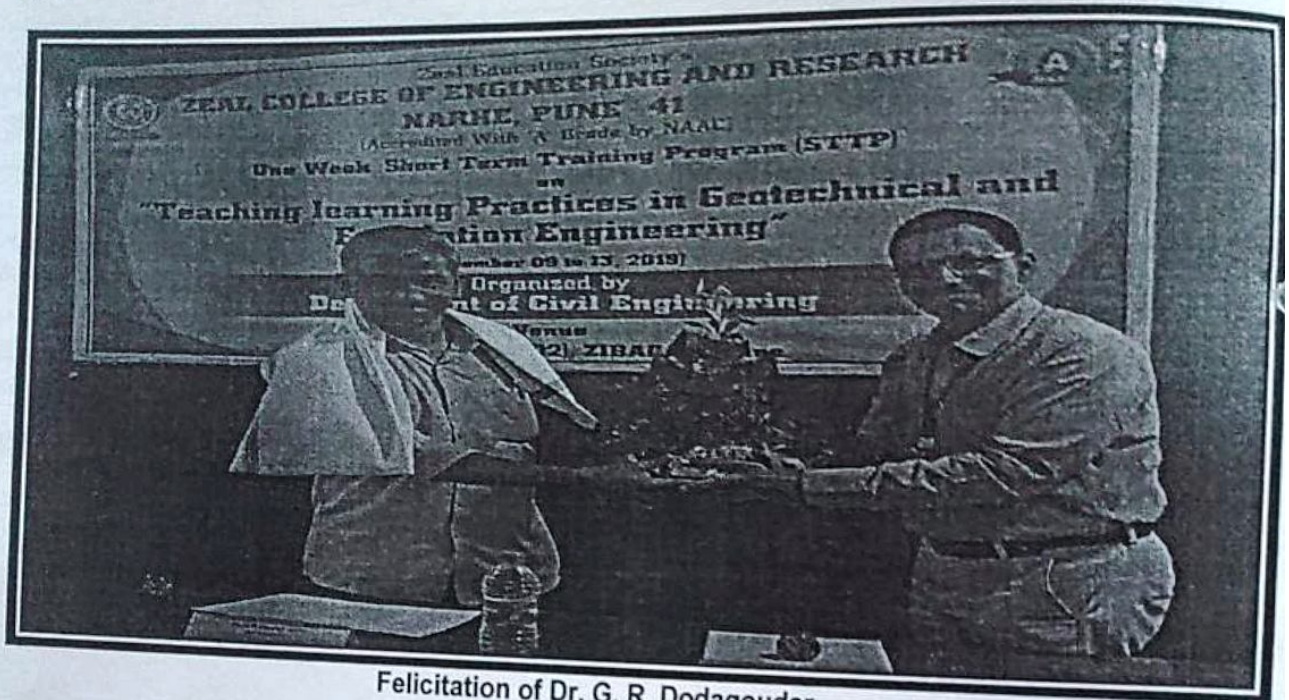


Felicitation of Dr. A.N.Dalvi

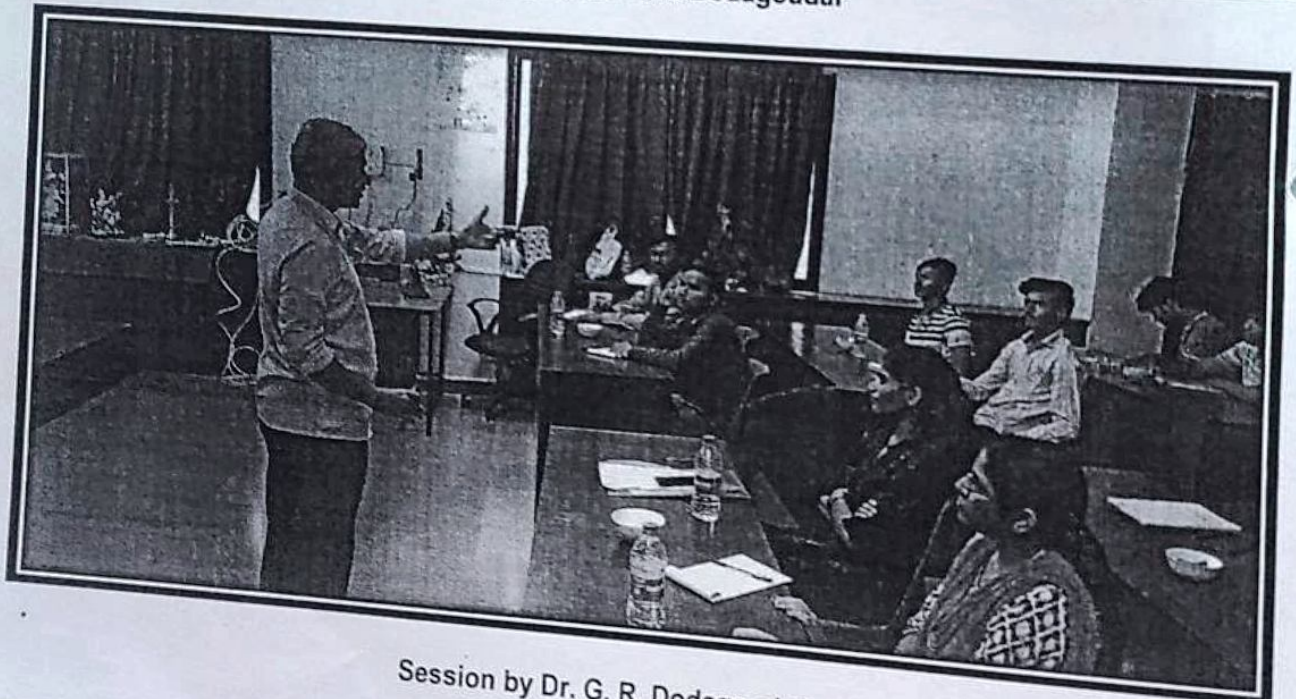


Session 2: "Cofferdams and Foundation on Black Cotton Soils" by Dr. G. R. Dodagoudar

The 2<sup>nd</sup> session was engaged by very dynamic Dr. G. R. Dodagoudar, Professor, IIT Madras. He expressed his views towards how we should be problem solving person's delivers his excellence in the topic "Cofferdams and Foundation on Black Cotton Soils".

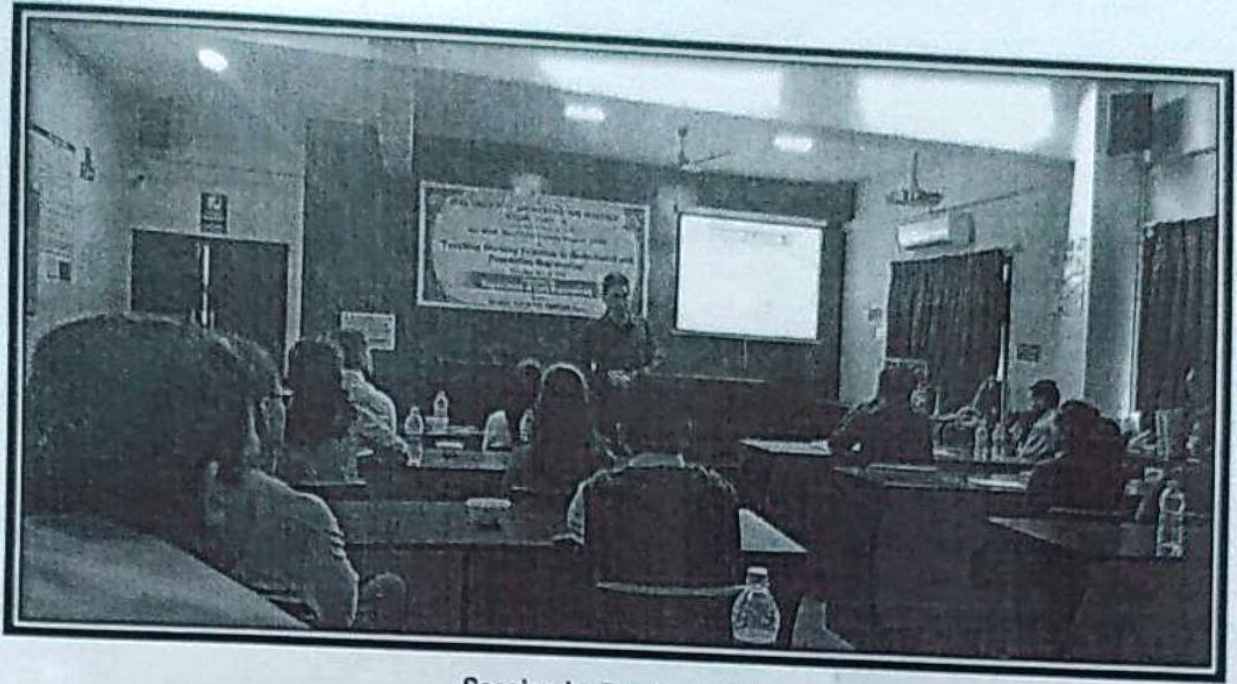


Felicitation of Dr. G. R. Dodagoudar



Session by Dr. G. R. Dodagoudar



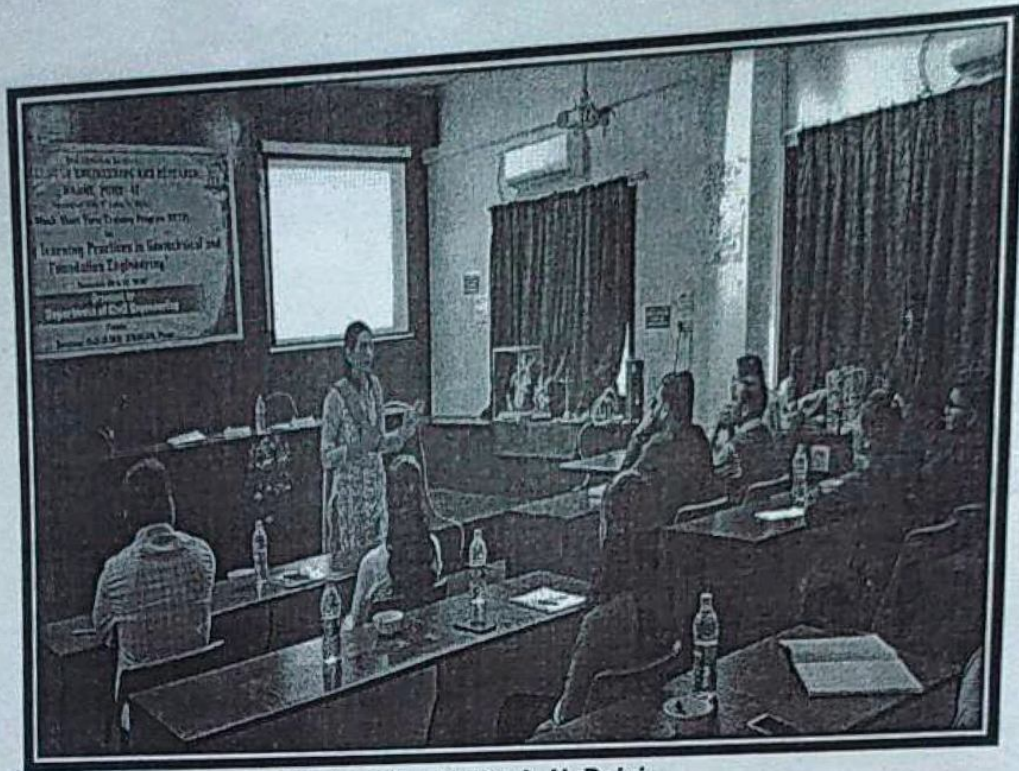


**Session by Dr. H. B. Dhonde**

### **Valedictory function**

Valedictory function started from 4.00 pm and ended at 5.00pm on 13 th Dec 2019. The notable guest was Dr. H. B. Dhonde, Director, Ashoka Structural consultant, Pune. This function is anchored by Prof. N. N. Deo. Dr. P.P.Walvekar, HOD, Civil engineering department gave a brief overview of the STTP to the attendees of this function. Dr. H. B. Dhonde gave a motivational speech to all the participants and conducted rigorous interactions with participants. Participants were asked to come on the dice and share their experience and learning of the whole program. Miss Apama Chavan and Mr. Nilesh Kurmuse shared their positive feedback related to resource person, food and hospitality. Finally, all the participants were congratulated by distributing certificate. Prof. P.R. Lanjewar, offered a vote of thanks. The program was concluded with happy note from everyone.





Session by Dr. A. N. Dalvi

**Session 2: "Industry Application in Foundation Engineering" by Dr. H. B. Dhonde**

Afternoon session was executed by Dr.H. B. Dhonde, Ashoka Structural consultant, Pune. He discussed various case studies and industry demands. He encouraged participants for research and contributions to the field of geotechnical and structural engineering. He also gives tips of how to build up the portfolio and resume.



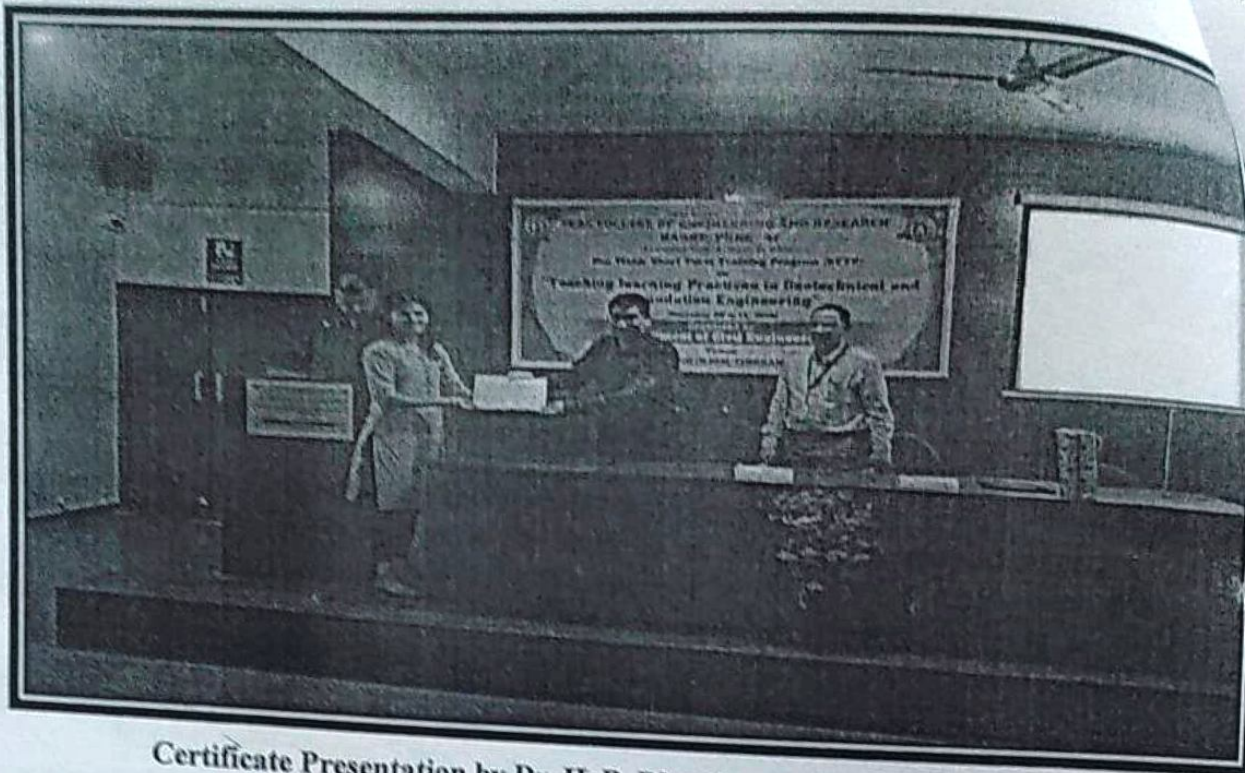
Felicitation of Dr. H. B. Dhonde



### LIST OF PARTICIPANTS

<u>Sr.</u> <u>No.</u>	<u>Name of participants</u>	<u>Institute/Company Name</u>
1	Miss. Aparna Himmatrao Chavan	Singhgad institute of technology and science ,Narhe
2	Mr. Nilesh Ajitrao Karmuse	Singhgad institute of technology and science ,Narhe
3	Miss. Shweta Rushikesh Patil	Singhgad institute of technology and science ,Narhe
4	Mr. Deepak Manoha Kolekar	SCOE, Wadgao
5	Miss. Megha Madhukar Sarvade	RMD, Singhgad, SDE, Warje
6	Mr. Tushar Langoti	RMD, Singhgad, SDE, Warje
7	Dr. P. P. Walvekar	ZCOER,Narhe,Pune
8	Prof. N. N. Deo	ZCOER,Narhe,Pune
9	Prof. G. S. Anaokar	ZCOER,Narhe,Pune
10	Prof. A. K. Chorage	ZCOER,Narhe,Pune
11	Prof. A. R. Bansode	ZCOER,Narhe,Pune
12	Prof. P. K. Nawale	ZCOER,Narhe,Pune
13	Prof. A. V. Wakchaure	ZCOER,Narhe,Pune
14	Prof. R. M. Raut	ZCOER,Narhe,Pune
15	Prof. P.R.Lanjewar	ZCOER,Narhe,Pune





**Certificate Presentation by Dr. H. B. Dhonde and Dr. P. P. Walvekar**

Around 15 participants from academia and industry were benefited and have attended this STTP. We are very thankful of notable speakers like Mr. V. R. Phadke, Dr. S. T. Shinde, Dr. Satyanarayana Murty Dasaka, Dr. C. S. Gokhale, Er. R. K. Kulkarni, Dr. Vishwas A. Sawant, Mr. B. N. Jagtap, Dr. G. R. Dodagoudar, Dr. A.N. Dalvi and Dr. H. B. Dhonde who showed their imminent presence and delivered the contents in this short term training program. We are thankful to our Management Founder President of Zeal Education Society's Shri. S. M. Katkar, Secretary Prof. Jayesh Katkar, Executive director Dr. Pradeep Khandve, Dr. A. Markale, director of ZIMCA, Principal Dr. A. M. Kate provided valuable guidance to make this STTP successful. Dr. S. D. Shirbahadurkar Course Co-ordinator and Dean of Academics, Dr. P.P. Walvekar Head of Department of Civil engineering, and all teaching & non teaching staff for all the help they extended for the successfully organizing this STTP.

**Prof. P. R. Lanjewar**  
STTP Coordinator

**Prof. A. R. Bansode**  
STTP Coordinator

**Dr. P. P. Walvekar**  
Convenor, HOD





ZES's

Zeal College of Engineering and Research, Pune

Department of Civil Engineering

One week Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical and  
Foundation Engineering"  
09 - 13 December; 2019

**INAUGURAL CEREMONY**  
**09.12.2019**

**Arrival of guests**

<b>Welcome by Prof. N. N. Deo</b>	<b>10.35 - 10.40</b>
<b>Lamp Lighting and Saraswati Pujan</b>	<b>10.40 - 10.45</b>
<b>Felicitation of Guest</b>	<b>10.50 - 10.55</b>
<b>Introduction by Dr. P. P. Walvekar</b> Convener-STTP Head - Department of Civil Engineering	<b>10.55 - 11.05</b>
<b>Message by Dr. A. M. Kate</b> Hon. Principal, ZCOER.	<b>11.05 - 11.15</b>
<b>Thoughts of Er. V. R. Phadke</b> Chief Guest	<b>11.15 - 11.25</b>
<b>Vote of Thanks</b> Prof. P. K. Lanjewar Coordinator - STTP	<b>11.25 - 11.30</b>

**Tea break**

**Key Note by Er. V. R. Phadke.**

**12.00 - 01.00**

**Lunch**





**ZEAL EDUCATION SOCIETY**  
CELEBRATING  
20 YEARS OF EDUCATIONAL EXCELLENCE  
Founder: Mr. S. M. Katkar



**ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE**

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Dr. P. P. Walvekar

Co-ordinator

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Prof. A. R. Bansode

ZES' Zeal College of Engineering and Research,  
S. No. 39, Katraj-Narhe Road, Narhe, Pune

411 041

Phone (Off.): 020-67206136

Mobile: 09604735734

Email: [pranay.lanjewar@zealeducation.com](mailto:pranay.lanjewar@zealeducation.com)

Email: [ajay.bansode@zealeducation.com](mailto:ajay.bansode@zealeducation.com)

Website: [www.zcoer.org](http://www.zcoer.org)

**ZES**

Zeal Education Society is established by Shri S. M. Katkar, an eminent industrialist, in the year 1996 with a vision to provide quality education. Within 20 years of educational excellence, ZES has established English Medium School, Junior College, College of Education, College of Engineering, Management Institutes and various research centers catering educational needs of more than 7000 students.

**ZCOER**

ZCOER is established in 2007 which symbolized the beginning of new era in technical education. The college offers UG engineering degree courses in Civil Engineering, Computer Engineering, and Electrical Engineering, Information Technology, E&TC and Mechanical Engineering. The college also offers PG courses in Computer Engineering, Electrical Engineering (Power System), E&TC (VLSI and Embedded System), Mechanical Engineering (ME Design / CADME) and Master of Business Administration. The institute is also granted as PhD research center in Electronics & Telecommunication and Mechanical Engineering under Savitribai Phule Pune University, Pune (SPPU) since 2013. Recently, institute has been accredited by NAAC with "A" Grade.

**Department of Civil Engineering**

A new feather in the cap of Zeal Education Society, the Civil Engineering Department was established in 2013. The Department has well qualified, learned and dynamic faculties supported with state of art laboratories to enable the students to carry out research and experiments. We are dedicated to offer the best facilities in every form to help our students become world leaders in their journey.

**WORKSHOP BACKGROUND**

For any civil engineering graduates it is essential to have a knowledge and understanding of geotechnical engineering and foundation design of Structures. A remarkable potential exists for student in the field of consultancy as well as higher education if they have competency in the field of geotechnical and structural design.

Geotechnical Engineering (GTE) deals with the behavior of earth materials like soil and rock in relation to water and design of civil engineering structures appropriately. Foundation Engineering is immensely benefitted by the understanding of fundamental principles of earth materials especially while dealing with major projects and problematic deposits. The foundation behavior cannot be different from the behavior of the supporting medium. It is therefore pertinent to understand the concepts of FDE. In this background, the present five-day workshop is planned with the following objectives.

**OBJECTIVES:**

Developing awareness regarding importance of the subjects as Geotechnical and Foundation engineering amongst faculty members to emphasize the same will be prime motto of this faculty development program. Along with this, following are the objectives

1. To enable the participants to gain the state of the art knowledge in geotechnical and foundation engineering. To make the participant understand the codal provisions and their importance in foundation engineering
2. To enable the participants to teach foundation
3. engineering effectively using principles, case studies and field practices

**WORKSHOP CONTENT**

- Subsurface Investigations for Foundations
- Bearing capacity and Shallow Foundation
- Settlement and Consolidation Settlement
- Deep Foundations
- Cofferdams and Foundation on Black Cotton Soils
- Soil Reinforcement and Earthquake Geo-techniques
- Industry Application in Foundation Engineering
- Computer aided Application in Foundation Engineering

**RESOURCE PERSONS**

- Er. V. R. Phadke, Executive Committee Member, IGS, Pune
- Dr. Satyanarayana Murty Dasaka, Professor, IIT Mumbai
- Dr. C. S. Gokhale, Professor, NICMAR, Pune
- Dr. Vishwas A. Sawant, Associate Professor, IIT Roorkee
- Dr. G. R. Dodagoudar, Professor, IIT Madras.
- Dr. S. T. Shinde, Professor, VIIT, Pune
- Dr. H. B. Dhonde, Director, Ashoka Structural consultant, Pune
- Er. R. K. Kulkarni, Soiltech India Pvt. Ltd, Pune
- Mr. B. N. Jagtap, Tridol Geotech consultants, Pune
- Dr. A.N. Dalvi, Genstru consultant, Pune

**CHIEF PATRONS**

Hon. Shri S. M. Katkar, Founder Director  
Hon. Shri J. S. Katkar, Executive Director

**PATRONS**

Mr. P. V. Khandve, Executive Director, ZES, Pune  
Dr. A. M. Kate, Principal, ZCOER

**ORGANISING COMMITTEE**

- Prof. N. N. Deo
- Prof. G. S. Anaokar
- Prof. A. K. Chorage
- Prof. A. R. Bansode
- Prof. P. K. Nawale
- Prof. A. V. Wakchaure
- Prof. R. M. Raut
- Prof. S. V. Wagh

**Contact for Registration**

Prof. P. R. Lanjewar  
[pranay.lanjewar@zealeducation.com](mailto:pranay.lanjewar@zealeducation.com)  
(020 67206152; 8999366228)

Prof. A. R. Bansode  
[ajay.bansode@zealeducation.com](mailto:ajay.bansode@zealeducation.com)  
(020 67206136; 96047 35734)

**PARTICIPATION**

Students, Research Scholars, Young Scientists, Faculty Members, and Industrial Experts. It includes certificate, workshop kit, Working lunch and tea during respective days.

**REGISTRATION**

The intending participants are requested to register themselves by filling and mailing the preliminary Registration form by 02 December 2019. For online registration, visit-  
<https://forms.gle/mUKscsfv1PeuiiWM7>

**COURSE FEE**

- Students/Res. Scholars: INR 700/-
- Others: INR 1000/-



(Form Filling QR)

**ACCOMMODATION**

Participants will have to arrange accommodation by themselves. However, assistance will be given to find an accommodation outside on payment basis, if asked by the candidate well in advance.

**Registration Form**

**Short Term Training Program (STTP) on**

"Teaching Learning Practices in Geotechnical & Foundation Engineering"

December 09 – 13, 2019

Name .....

Educational Qualification .....

Student / Faculty

Designation .....

Department .....

Organization .....

Mailing Address .....

Contact Number .....

E-mail .....

Mode of Payment (Cash/NEFT/RTGS/ Other)

Signature of Participant

For online Registration, visit

<https://forms.gle/mUKscsfv1PeuiiWM7>

The demand draft should be drawn in favour of The Principal, Zeal College of Engineering And Research, Pune Payable at Pune.

Spot Registration is allowed with prior telephonic confirmation.





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- Dr. Satyanarayana Murty Dasaka,  
Professor, IIT Mumbai
- Dr. C. S. Gokhale  
Professor, NICMAR, Pune
- Dr. Vishwas A. Sawant,  
Associate Professor, IIT Roorkee
- Dr. G. R. Dodagoudar,  
Professor, IIT Madras.
- Dr. S. T. Shinde,  
Professor, VIIT, Pune
- Dr. H. B. Dhonde,  
Director, Ashoka Structural consultant, Pune
- Er. R. K. Kulkarni,  
Soiltech India Pvt. Ltd, Pune
- Mr. B. N. Jagtap,  
Tridol Geotech consultants, Pune
- Dr. A.N. Dalvi,  
Genstru consultant, Pune

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[ajay.bansode@zealeducation.com](mailto:ajay.bansode@zealeducation.com)  
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#### PARTICIPATION

Students, Research Scholars, Young Scientists, Faculty Members, and Industrial Experts. It includes certificate, workshop kit, Working lunch and tea during respective days.

#### REGISTRATION

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#### COURSE FEE

- Students/Res. Scholars: INR 700/-
- Others: INR 1000/-



(Form Filling QR)

#### ACCOMMODATION

Participants will have to arrange accommodation by themselves. However, assistance will be given to find an accommodation outside on payment basis, if asked by the candidate well in advance.

#### Registration Form Short Term Training Program (STTP) on "Teaching Learning Practices in Geotechnical & Foundation Engineering" December 09 – 13, 2019

Name .....

Educational Qualification .....

Student / Faculty

Designation .....

Department .....

Organization .....

Mailing Address

Contact Number .....

E-mail .....

Mode of Payment (Cash/NEFT/RTGS/ Other)

Signature of Participant

For online Registration, visit

<https://forms.gle/mUKscfsv1PeuiiWM7>

The demand draft should be drawn in favour of 'The Principal, Zeal College of Engineering And Research, Pune' Payable at Pune.

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**Short Term Training Program (STTP) on**  
**"Teaching Learning Practices in Geotechnical & Foundation Engineering"**  
**09 to 13 December; 2019**

**Program schedule**

Date	Time	Session	Content	Expert
09/12/2019 Monday	9 am to 9.30 am		Tea & Snacks	
	9.30 am to 10.30 am		Inaugural function	
	10 am to 01.00 pm	Session 1	Subsurface Investigations for Foundations	Er. V. R. Phadke Executive Committee Member, IGC-Pune Chapter
	01.00 pm to 02.00 pm		Lunch Break	
	2.00 pm to 5.00 pm	Session 2	Settlement and Consolidation Settlement	Dr. S. T. Shinde, VIIT, Pune
10/12/2019 Tuesday	9 am to 10 am		Tea & Snacks	
	10 am to 01.00 pm	Session 1	Bearing capacity and Shallow Foundation	Dr. Satyanarayana Murty Dasaka, IIT Mumbai
	01.00 pm to 02.00 pm		Lunch Break	
	2.00 pm to 5.00 pm	Session 2	Soil Reinforcement and Earthquake Geo-techniques	Dr. C. S. Gokhale, NICMAR, Pune
11/12/2019 Wednesday	9 am to 10 am		Tea & Snacks	
	10 am to 01.00 pm	Session 1	Industry Application in Foundation Engineering	Er. R. K. Kulkarni Soiltech India Pvt. Ltd, Pune
	01.00 pm to 02.00 pm		Lunch Break	
	2.00 pm to 5.00 pm	Session 2	Deep Foundations	Dr. Vishwas Sawant, IIT Roorkee





**ZES's**  
**Zeal College of Engineering and Research, Pune**  
**Department of Civil Engineering**

Date	Time	Session	Content	Expert
12/12/2019 Thursday	9 am to 10 am	Tea & Snacks		
	10 am to 01.00 pm	Session 1	Industry Application in Foundation Engineering	<b>Mr. B. N. Jagtap,</b> <b>Tridol Geotech consultants, Pune</b>
	01.00 pm to 02.00 pm	Lunch Break		
	2.00 pm to 5.00 pm	Session 2	Cofferdams and Foundation on Black Cotton Soils	<b>Dr. G. R. Dodagoudar, IIT Madras.</b>
13/12/2019 Friday	9 am to 10 am	Tea & Snacks		
	10 am to 01.00 noon		Computer aided Application in Foundation Engineering	<b>Dr. A.N. Dalvi,</b> <b>Genstruct consultant , Pune</b>
	1.00 pm to 2.00 pm	Lunch		
	2.00 pm to 4.00 pm		Industry Application in Geotechnical Engineering	<b>Dr. H. B. Dhonde,</b> <b>Ashoka Structural consultant, Pune</b>
	4.00 pm to 5.00 pm	Valedictory Function		





ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,  
NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/12/2019

To,  
The Principal  
ZCOER

Subject: Regarding Accommodation Facility of Resource Person accommodation and Transportation Facility for  
Resources Persons

Civil Engineering Department has organized a Short Term Training Program (STTP) which will commence from 9<sup>th</sup> to 13<sup>th</sup> December 2019. Outstation Resource Persons are coming for STTP, in this connection accommodation facility is required.

Also need transportation facility for escorting Resource Persons.

You are requested to provide the same

Thanking You

A R Bansode

STTP Coordinator

*Allowed  
A. K. K. K.  
03/12/19*

Forwarded through

Head of Civil Engg Dept

*Due to Exam and XMO  
vehicle not available  
Pl. arrange OLA/UBER  
utg*





ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,  
NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/12/2019

To,  
The Principal  
ZCOER

Subject: Availing Advanced Payment of Rs 50,000/-

Respected Sir,

Civil Engineering Department has organized a Short Term Training Program (STTP) which will commence from 9<sup>th</sup> to 13<sup>th</sup> December 2019. Eminent Resource Persons are coming from various IITs and institutes. We need an amount of Rs 50,000 for immediate payment of travelling and miscellaneous expenses.

Thanking you

A R Bansode

STTP Coordinator

Forwarded through

Head of Civil Engg Dept

AC L  
APPROVED  
Aikate  
02/12/2019

Recd - on 2/12/19





Zeal Education Society's  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE  
Department of Civil Engineering



**Short Term Training Program (STTP) on**  
**“Teaching Learning Practices in Geotechnical & Foundation Engineering”**  
**09 TO 13 December 2019**  
**REGISTRATION SHEET**

Sr. No.	Name of participant	Organization / Institute	Designation / Role	Contact Number	Fees Paid	Payment Details	Sign
1	Sarika K Telang	Sinhgad Academy of Engineering, Kondhwa	Faculty	9860312333			
2	Gouri sunil patil	Sinhgad Academy of Engineering, Kondhwa	Faculty	9921130178			
3	Ankita Bhonde	Sinhgad Academy of Engineering, Kondhwa	Faculty	9503622728			
4	Sonal Pawar	Sinhgad Academy of Engineering, Kondhwa	Faculty	7588163647			
5	Mr. MUKUND CHOUGALE	D.Y.PATIL COLLEGE OF ENGINEERING AKURDI	Faculty	9881074406			
✓6	Tushara Langoti	RMD Sinhgad college of engineering, Pune	Faculty	7795814489	1000/-	Gpay(AVW)	
7	SHAHBAZ A.DANDIN	MIT WORLD PEACE UNIVERSITY, PUNE	Faculty	9890635653			
✓8	Aparna Himmatrao Chavan	Sinhgad Institute of technology and science narhe	Faculty	7972285291	1000/-	cash	<i>[Signature]</i>
9	Sarita Rajaram Khot	Sinhgad Academy of Engineering, Kondhwa	Faculty	9881674241			
✓10	sarvade megha	RMD, sinhgad, SDE, warje.	Faculty	8308817211	1000/-	Gpay(AVW)	<i>[Signature]</i>
✓11	Deepak kolekar	SCOE Vadgaon	Faculty	9096914889	1000/-	Gpay(AVW)	<i>[Signature]</i>
✓12	Karmuse Nitesh A	BITS Narhe	Faculty		1000/-	Gpay(AVW)	<i>[Signature]</i>
✓13	Sweta R. patil	BITS Narhe	Faculty	9673364105	1000/-	CASH(AVW)	<i>[Signature]</i>
14							
15							





Zeal Education Society's

**ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE**

**Department of Civil Engineering**

**Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical &  
Foundation Engineering"**



**ATTENDANCE SHEET - DAY 1 ( December 09, 2019)**

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
1.	Aparna H. Chavan	Aparna	Aparna (7972285291)
2.	Nilesh A. Kogmare	(19)	(19) 9561869829
3.	Dipak M. Kolekar	Dipak	Dipak 9096914889
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Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE

Department of Civil Engineering



Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical &  
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ATTENDANCE SHEET - DAY 2 ( December 10, 2019)

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
1.	Pramod A. Varal	✓	
2.	Shinde sanjay Kisan	✓	✓
3.	Vishal A. Wagh	✓	✓
4.	Ganesh S. Mundhe	✓	✓
5.	Kaushina S. Gade	✓	✓
6.	Ahaujghusen Babu Shaikh	✓ <u>Shaikh</u>	✓ <u>Shaikh</u>
7.	Suraj Shankar Suralkar	✓	
8.	Prachi Ingulkar	✓	
9.	Dipali Patil	✓	
10.	Bhorekar Prigendra	✓	
11.	Jadhav Sureshkar	✓	
12.	Jaily Patil	✓ <u>Patil</u>	✓ <u>Patil</u>
13.	Ayesha Shinde	✓ <u>Shinde</u>	✓ <u>Shinde</u>
14.	Sumit more	✓	
15.	Menane Siddhant	✓	✓





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11/10/2019

**ATTENDANCE SHEET - DAY 2 ( December 10, 2019)**

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
16.	Akshita G. Wagh	✓	✓
17.	Omkar Deshmukh	✓	✓
18.	MARNE AKASH SANJAY	✓	✓
19.	Priyanka Bhorekar	✓	✓
20.	Shweta Khandagale		✓
21.	Sanika Jadhav	✓	✓
22.			
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28.			
29.			
30.			

*Akshita*



- 1) Memane Siddhath. Memane
- 2) Gade Koushna. G.K.
- 3) Shinde Sanjay Sanjay
- 4) Vishal Wagh Vishal
- 5) Akshita Wagh Akshita
- 6) Juiy Patil Juiy
- 7) Ayesha Shinde Ayesha
- 8) Omkar Deshmukh Omkar
- 9) ~~Aksho~~ Akash Morne Akash
- 10) Priyanka Dinkar Bharelkar Priyanka
- 11) Shweta Khandagale Shweta
- 12) Sarika Jadhav Sarika





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"Teaching Learning Practices in Geotechnical &  
Foundation Engineering"



ATTENDANCE SHEET - DAY 2 ( December 10, 2019)

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
1.	Sweta R. Patil	Patil	Patil
2.	Dipak M. Kulkarni	Kulkarni	Kulkarni
3.	Khanajalisen Babu Dhanraj	Dhanraj	Dhanraj
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Zeal Education Society's  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE  
Department of Civil Engineering  
Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical &  
Foundation Engineering"



ATTENDANCE SHEET - DAY 3 ( December 11, 2019)

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
1.	Sweta R. Patil	Patil	Patil
2.	Dipak M. Kolekar	mmmm	mmmm
3.	Khawajalaben Baburbaikh	Bhaidy	Bhaidy
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Zeal Education Society's  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE  
Department of Civil Engineering  
Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical &  
Foundation Engineering"



**ATTENDANCE SHEET - DAY 4 ( December 12, 2019)**

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
16.	Shubham Subhdev Pawar	✓	
17.	Sonali Dinbar Tivale	✓	
18.	Krushna Shrimant shade	✓	
19.	Sunjay Kisan Shinde	✓	
20.	Swapnil Manohar mane	✓	
21.	Bhairi Punit Hanuman	✓	
22.	Dipali A Patil	✓	
23.	Prachi A Ingulkar	✓	
24.	sonam A Anarase	✓	
25.	Juily Patil	✓	
26.	Ayaha Shinde	✓	
27.	Omkar Deshmukh	✓	
28.	Khoojahussain Shaikh	✓	
29.	Shweta R. Patil	<del>Patil</del>	
30.	Atash B. Ingole	✓	





Zeal Education Society's  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE



Department of Civil Engineering  
Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical &  
Foundation Engineering"

ATTENDANCE SHEET - DAY 4 ( December 12, 2019)

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
1.	Ms. Tushara. G. L.	(Signature)	
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Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE

Department of Civil Engineering

Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical &  
Foundation Engineering"



ATTENDANCE SHEET - DAY 5 ( December 13, 2019)

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
16.	Latthe Abhishek M	<u>Latthe</u>	<u>Latthe</u>
17.	Pragati Damodhar Rathod	<u>Rathod</u>	<u>Rathod</u>
18.	Bheir Punir Hanuman	<u>Bheir</u>	<u>Bheir</u>
19.	Shubham Sukhdev Pawar	<u>Pawar</u>	
20.	Sonali Dinkar Tivale	<u>Tivale</u>	
21.	Memane Siddharth S	<u>SSM</u>	<u>SSM</u>
22.	.		
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Zeal Education Society's  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH, PUNE  
Department of Civil Engineering



Short Term Training Program (STTP) on  
"Teaching Learning Practices in Geotechnical &  
Foundation Engineering"

ATTENDANCE SHEET - DAY 5 ( December 13, 2019)

Sr. No.	Name of Participant	Morning Sessions	Afternoon Sessions
1.	Priyanka Dinkar Bhanekar		
2.	Sarika Jadhav		
3.	Ayesha Shinde		
4.	Jwily Patil		
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Zeal Education Society's  
**Zeal College of Engineering and Research, Narhe, Pune-41**



(Accredited With 'A' Grade by NAAC)

One Week Short Term Training Program (STTP) on  
**"Teaching learning Practices in Geotechnical and Foundation Engineering"**

## CERTIFICATE

This is to certify that Mr./Ms./Dr. \_\_\_\_\_ has Participated in one week STTP on **"Teaching learning Practices in Geotechnical and Foundation Engineering"** organized by Department of Civil Engineering during December 09 to 13, 2019.

**Mr P R Lanjewar**  
Co-ordinator

**Mr A R Bansode**  
Co-ordinator

**Dr P P Walvekar**  
Convener & Head  
Civil Engg.

**Dr A M Kate**  
Principal  
ZCOER





ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH,  
NARHE | PUNE - 41 | INDIA  
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/12/2019

To,  
The Principal  
ZCOER

Subject: Availing Advanced Payment of Rs 50,000/-

Respected Sir,

Civil Engineering Department has organized a Short Term Training Program (STTP) which will commence from 9<sup>th</sup> to 13<sup>th</sup> December 2019. Eminent Resource Persons are coming from various IITs and institutes. We need an amount of Rs 50,000 for immediate payment of travelling and miscellaneous expenses.

Thanking you

CH. no: -  $\frac{111876}{4.12.19}$  B. 50,000/-

  
A R Bansode

STTP Coordinator

Forwarded through

Head of Civil Engg Dept

ALL  
APPROVED  
Ahikate  
02/12/2019







**ZES's**  
**Zeal College of Engineering and Research, Pune**  
**Department of Civil Engineering**

To,  
The Principal  
ZCOER, Pune

Date- 26/12/2019

Subject: - Sanction of expenditure against advance payment of Rs. Fifty Thousand for One Week Short Term Training Program

Respected Sir,

With Reference to above subject, herewith submitting bills of expenditure of Transportation Allowance and Expenses for guest and Contingencies taken place for the organization of One Week Short Term Training Program entitled "Teaching Learning Practices in Geotechnical and Foundation Engineering".

Details is as Follows

**Details**

Sr. No.	Particulars	Date	Amount
1	Advance from Principal, ZCOER for Contingencies, preparation for Remuneration and TA/DA of resource Persons	2/12/2019	50,000.00
Total Rs.			50,000.00

**Expenses**

A) TA of Resource Persons			
Sr. No.	Particulars	Date	Amount
1	Transportation Facility (TAXI, OLA & UBER)	9/12/2019	4,736.00
2		10/12/2019	6,877.00
3		11/12/2019	864.00
4		12/12/2019	2,177.00
Total (A)			14,654.00
B) Expenses for guest and Contingencies			
1	Nilesh Hardwear	8/12/2019	540.00
2	P S Stationers	8/12/2019	100.00
3	D Mart	8/12/2019	326.20
4	Petrol	9/12/2019	750.00
5	Flowers	9/12/2019	1,200.00
6	Lunch of Guest (10/12/2019)	10/12/2019	1,245.00

Page 1 of 2





ZES's  
Zeal College of Engineering and Research, Pune  
Department of Civil Engineering

7	Dinner of Guest	11/12/2019	1,160.00
8	Chocolet	11/12/2019	300.00
9	Chocolet	12/12/2019	190.00
10	Dinner of Guest	12/12/2019	905.00
11	Chocolet	13/12/2019	100.00
Total (B)			6,816.20

Total (A) + (B) 21,470.20

Amount To Be Return to Account Section 28,529.80

Submitting an Amount of Rs 28,529 to Account Section

checked & verified

Thanking You

A R Bansode  
STTP, Coordinator

Dr P P Walvekar  
Head, Civil Engg

Acc  
check & verify the bills  
Hukate  
27/12/19






**ZES's**  
**Zeal College of Engineering and Research, Pune**  
**Department of Civil Engineering**

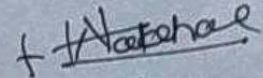
**Budget for faculty development program 2019**

Topic: - Teaching Learning Practices in Foundation Engineering

Budget for Five Days Faculty Development Program on 10<sup>th</sup> – 14<sup>th</sup> December 2019

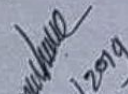
Sr. No.	Item	Nos.	Rate (Rs.)	Total Amount (Rs.)
1	Guest (Remuneration and TA)	9		1,25,000.00
2	Printing (Banner, Brochures, Certificates etc.)			10,000.00
4	Snacks & tea (for 5 days)	20	30	3,000.00
5	Lunch (for 5 days)	20	200	20,000.00
6	Miscellaneous			8,000.00
<b>Total Expenditures</b>				<b>1,66,000/-</b>

  
P.R. Lanjewar  
Workshop Coordinator

  
Dr. P. P. Walvekar  
HOD, Civil Engineering

To,  
Executive Director  
Forwarded for approval

Ahikete  
07/11/2019

  
9/11/2019





Zeal Education Society's  
**Zeal College of Engineering and Research, Narhe, Pune-41**



(Accredited With 'A' Grade by NAAC)

One Week Short Term Training Program (STTP) on  
**"Teaching learning Practices in Geotechnical and Foundation Engineering"**

**CERTIFICATE**

This is to certify that Mr./Ms./Dr. Abhijit K. Chorage has Participated in one week STTP on **"Teaching learning Practices in Geotechnical and Foundation Engineering"** organized by Department of Civil Engineering during December 09 to 13, 2019.

**Mr P R Lanjewar**  
Co-ordinator

**Mr A R Bansode**  
Co-ordinator

**Dr P P Walvekar**  
Convener & Head  
Civil Engg.

**Dr A M Kate**  
Principal  
ZCOER





Zeal Education Society's  
**Zeal College of Engineering and Research, Narhe, Pune-41**



(Accredited With 'A' Grade by NAAC)

One Week Short Term Training Program (STTP) on  
**"Teaching learning Practices in Geotechnical and Foundation Engineering"**

## CERTIFICATE

This is to certify that Mr./Ms./Dr. Ajay Ram Bansode has Participated in one week STTP on **"Teaching learning Practices in Geotechnical and Foundation Engineering"** organized by Department of Civil Engineering during December 09 to 13, 2019.

**Mr P R Lanjewar**  
Co-ordinator

**Mr A R Bansode**  
Co-ordinator

**Dr P P Walvekar**  
Convener & Head  
Civil Engg.

**Dr A M Kate**  
Principal  
ZCOER





# CERTIFICATE OF PARTICIPATION



This Certificate is awarded to **Dr. Pralhad Walvekar**

of **Zeal College of Engineering and Research, Pune, Pune**

For active and invaluable participation during the conduct of **Online Syllabus Orientation Workshop for S.E. Civil (2019 Pat.)** organized by **Department of Civil Engineering, Sinhgad College of Engineering, Pune** in association with **BoS Civil Engineering, Savitribai Phule Pune University** from 22nd to 26th June, 2020.

**Dr. S. D. Khandekar**  
Coordinator

**Dr. (Mrs.) P. M. Alandkar**  
Coordinator

**Dr. S. S. Shastri**  
Convener & Head of  
Civil Engineering Department

**Dr. S. N. Londhe**  
Chairman, BoS (Civil Engineering)  
SPPU

**Dr. S. D. Lokhande**  
Principal  
SCOE, Pune





Sinhgad Institutes

Sinhgad Technical Education Society's  
Sinhgad College of Engineering, Vadgaon Bk, Pune – 411041

**NAAC Accredited with "A" grade**

Department of Civil Engineering

WEBINAR SERIES (27<sup>th</sup> TO 30<sup>th</sup> May 2020)

**Certificate of Participation**

*This certificate is presented to*

Guruprasad Anaokar

For successfully participating in Webinar Series, for the topic **“CAREER OPPORTUNITIES IN SUSTAINABILITY & GREEN BUILDINGS”** organized by "Department of Civil Engineering", Sinhgad College of Engineering, Vadgaon Bk , Pune on 30th May 2020 in association with “Sustainable Solutions” , Pune.

Prof. Sneha S. Bhende  
Associate Coordinator

Prof. Vaishali S. Limaye  
Associate Coordinator

Dr. Sameer S. Shastri  
Coordinator & HOD Civil Engg.  
SCOE

Dr. Shashikant D. Lokhande  
Principal SCOE







Sinhgad Institutes

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Sinhgad College of Engineering, Vadgaon Bk, Pune – 411041

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Prof. Vaishali S. Limaye  
Associate Coordinator

Dr. Sameer S. Shastri  
Coordinator & HOD Civil Engg.  
SCOE

Dr. Shashikant D. Lokhande  
Principal SCOE





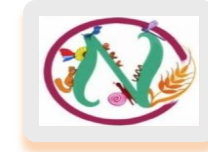


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Values & Project Consultants  
Pvt. Ltd.  
B-47, MIDC  
Ampthol, Vadgaon, Dehugaon

**SINHGAD TECHNICAL EDUCATION SOCIETY'S  
SINHGAD COLLEGE OF ENGINEERING, PUNE 41  
DEPARTMENT OF CIVIL ENGINEERING  
WEBINAR SERIES  
(27<sup>th</sup> TO 30<sup>th</sup> May 2020)**



W•E•B•I•N•A•R

*Certificate of Participation*

*This certificate is presented to*  
**Guruprasad S. Anaokar**

For successfully participating in Webinar Series, for the topic **"INTRODUCTION TO DECENTRALIZED ON SITE INTEGRATED WASTE MANAGEMENT SYSTEM (DOWSIWAM)"** organized by "Department of Civil Engineering", Sinhgad College of Engineering, Vadgaon Bk, Pune on 28th May 2020 in association with "Appa Patwardhan Safai Wa Paryawaran Tantraniketan", Dehugaon.

**Prof. Sneha S. Bhende**  
Associate Coordinator

**Prof. Vaishali S. Limaye**  
Associate Coordinator

**Dr. Sameer S. Shastri**  
Coordinator & HOD  
Civil Engg. SCOE

**Dr. Shashikant D. Lokhande**  
Principal SCOE





Sinhgad Institutes



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**SINHGAD COLLEGE OF ENGINEERING, PUNE-411041**  
*NAAC Accredited with "A" grade*  
**DEPARTMENT OF CIVIL ENGINEERING**  
**WEBINAR SERIES (27<sup>th</sup> TO 30<sup>th</sup> May 2020)**



## Certificate of Participation

*This certificate is presented to*

Guruprasad Anaokar

For successfully participating in Webinar Series, for the topic **“ORGANIC FARMING”** organized by "Department of Civil Engineering", Sinhgad College of Engineering, Vadgaon Bk , Pune on 29th May 2020 in association with “Naisargik Organic” , Kerala.

**Prof. Sneha S. Bhende**  
Associate Coordinator

**Prof. Vaishali S. Limaye**  
Associate Coordinator

**Dr. Sameer S. Shastri**  
Coordinator & HOD Civil Engg.  
SCOE

**Dr. Shashikant D. Lokhande**  
Principal SCOE

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SINHGAD TECHNICAL EDUCATION SOCIETY'S  
SINHGAD COLLEGE OF ENGINEERING, PUNE 41  
DEPARTMENT OF CIVIL ENGINEERING  
WEBINAR SERIES (27<sup>th</sup> TO 30<sup>th</sup> May 2020)  
ON

**“CAREER OPPORTUNITIES IN VALUATION”**



**Certificate of Participation**

*This certificate is presented to*

Sailee Dilip Redekar

for successfully participating in Webinar Series, for the topic  
**“CAREER OPPORTUNITIES IN VALUATION”** organized by  
“Civil Engineering Department”, Sinhgad College of Engineering, Vadgaon, Bk Pune on  
27th May 2020 in association with M/s Synergy Valuers, Pune.

Prof. Sneha S. Bhende  
Associate Coordinator

Prof. Vaishali S. Limaye  
Associate Coordinator

Dr. Sameer S. Shastri  
Coordinator & HOD Civil Engg.  
SCOE

Dr. Shashikant. D. Lokhande  
Principal SCOE





Sinhgad Institutes

Sinhgad Technical Education Society's  
Sinhgad College of Engineering, Vadgaon Bk, Pune – 411041

**NAAC Accredited with "A" grade**

Department of Civil Engineering

WEBINAR SERIES (27<sup>th</sup> TO 30<sup>th</sup> May 2020)

**Certificate of Participation**

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Sailee Dilip Redekar

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Prof. Sneha S. Bhende  
Associate Coordinator

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Associate Coordinator

Dr. Sameer S. Shastri  
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SCOE

Dr. Shashikant D. Lokhande  
Principal SCOE







**SINHGAD TECHNICAL EDUCATION SOCIETY'S**  
**SINHGAD COLLEGE OF ENGINEERING, PUNE-411041**  
*NAAC Accredited with "A" grade*  
**DEPARTMENT OF CIVIL ENGINEERING**  
**WEBINAR SERIES (27<sup>th</sup> TO 30<sup>th</sup> May 2020)**



## Certificate of Participation

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**Prof. Vaishali S. Limaye**  
Associate Coordinator

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Coordinator & HOD Civil Engg.  
SCOE

**Dr. Shashikant D. Lokhande**  
Principal SCOE





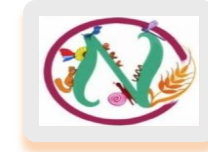


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B-14, MIDC  
A/Block, 4th Floor, Chhatrapati

**SINHGAD TECHNICAL EDUCATION SOCIETY'S  
SINHGAD COLLEGE OF ENGINEERING, PUNE 41  
DEPARTMENT OF CIVIL ENGINEERING  
WEBINAR SERIES  
(27<sup>th</sup> TO 30<sup>th</sup> May 2020)**



*Certificate of Participation*

*This certificate is presented to*  
Sailee Dilip Redekar

For successfully participating in Webinar Series, for the topic **"INTRODUCTION TO DECENTRALIZED ON SITE INTEGRATED WASTE MANAGEMENT SYSTEM (DOWSIWAM)"** organized by "Department of Civil Engineering", Sinhgad College of Engineering, Vadgaon Bk, Pune on 28th May 2020 in association with "Appa Patwardhan Safai Wa Paryawaran Tantraniketan", Dehugaon.

**Prof. Sneha S. Bhende**  
Associate Coordinator

**Prof. Vaishali S. Limaye**  
Associate Coordinator

**Dr. Sameer S. Shastri**  
Coordinator & HOD  
Civil Engg. SCOE

**Dr. Shashikant D. Lokhande**  
Principal SCOE





Amrutvahini Sheti & Shikshan Vikas Sanstha's

# AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

- NBA Accredited, Permanently Affiliated to SPPU
- NAAC Accredited, NAAC 'A' Grade
- Approved by AICTE

FFX5XE-CE000024

This certificate is presented to

*Sailee Redekar*

For attending one day online session on "Role of Drones in Water Management", organised by Department of Information Technology, held on 16th may 2020, by resource person Mr. Pravin Kolhe (Superintending Engineer, Water Resource Department, Government of Maharashtra)

Prof. B.S. Borkar

Co-ordinator

Dr. B. L. Gunjal

HOD IT

Dr. M. A. Venkatesh

Principal

CERTIFICATE  
OF PARTICIPATION



UNIVERSITY OF  
COPENHAGEN



04/30/2020

**PRALHAD WALVEKAR**

has successfully completed

**Air Pollution – a Global Threat to our Health**

an online non-credit course authorized by University of Copenhagen and offered through Coursera

Handwritten signatures of Steffen Loft, Peter Møller, and Zorana Jovanovic Andersen.

Steffen Loft, Peter Møller, Zorana Jovanovic Andersen  
Department of Public Health

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/G3LCLR4GEDKE](https://coursera.org/verify/G3LCLR4GEDKE)  
Coursera has confirmed the identity of this individual and their participation in the course.





05/06/2020

**PRALHAD WALVEKAR**

has successfully completed

**Municipal Solid Waste Management in Developing Countries**

an online non-credit course authorized by École Polytechnique Fédérale de Lausanne and offered through Coursera

Dr. Christian Zurbrugg, Sandec / Eawag; MSc., Eng. Imanol Zabaleta, Sandec / Eawag; Félix Schmidt, École Polytechnique Fédérale de Lausanne

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/Q932DVH6XDXM](https://coursera.org/verify/Q932DVH6XDXM)

Coursera has confirmed the identity of this individual and their participation in the course.





## CERTIFICATE OF PARTICIPATION

This is to certify that  
*Sailee Redekar*

has participated in webinar organized by Rotary Water  
Olympiad on May 12,2020 on Water Sector and  
Employability

A handwritten signature in blue ink, appearing to read "Mahajan".

---

MS SWATI MAHAJAN  
President, 2019-20

A handwritten signature in blue ink, appearing to read "Khade".

---

MR SATISH KHADE  
Convener,2019-20

**Rotary Club Of Pune Sinhagad Road**





Pimpri Chinchwad Education Trust's (PCET)  
**Pimpri Chinchwad College of Engineering**  
**(PCCOE, Nigdi)**



**Department of Civil Engineering**  
**One Week Online Faculty Development Program**

on

**‘Research in Environmental Engineering and A Way Forward’**

In Association With

**Environment Conservation Association , Pune (ECA)**

***E-Certificate of Resource Person***

This E-Certificate is presented to

**Dr. Pralhad P. Walvekar**

has delivered a session on **“*Stack Emission and Health Risk Integrated Modeling of Coal Power Plant*”** on 17<sup>th</sup> June, 2020 in One Week Online FDP on ‘*Research in Environmental Engineering & A Way Forward*’ organized by Department of Civil Engineering of PCCOE, Nigdi, Pune in association with ECA, Pune from 15<sup>th</sup> - 20<sup>th</sup> June, 2020.

**Dr. S. T. Mali**

Convenor & H. O. D. Civil Department.

**Dr. G.V. Parishwad**

Principal





Shahajirao Patil Vikas Pratishthan's  
**S. B. Patil College of Engineering, Indapur**  
(An ISO 9001:2015 Certified & NAAC Accredited Institute)  
*Department of Civil Engineering*

## CERTIFICATE

This is to certify that,

**Guruprasad Anaokar**


from, **Zeal College of Engineering and Research Narhe**  
has attended the webinar on


**Mapping and Modeling in Surveying  
using "Drone"**


Delivered by Er **Hrishikesh Mulay** on 27th May, 2020

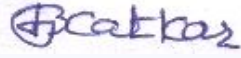
organized by

**Department of Civil Engineering, SBPCOE, Indapur**

  
Prof N. T. Suryawanshi  
HOD, Civil Engg Dept

  
Dr P. D. Nemade  
Principal

  
Prof U. S. Gawande  
Coordinator

  
Prof M. B. Katkar  
Coordinator





## ANURAG GROUP OF INSTITUTIONS

“Declared as **ANURAG UNIVERSITY**” by state of Telangana  
Venkatapur (V), Ghatkesar (M), Medchal (D) TS



### Department of Chemical Engineering

#### Participation Certificate

*This is to certify that Dr./Mr./Ms./Mrs. **Guruprasad Anaokar** from **Zeal College of Engineering and Research** has attended successfully a Three day online Faculty Development Programme(FDP) on “**Municipal Solid Waste Management during COVID-19 Pandemic**” organized by Department of Chemical Engineering, Anurag Group of Institutions, Ghatkesar (M), Medchal (D), Telangana held during 28-30 May 2020.*

**P.L.V.N. Sai Chandra**  
Coordinator

**Dr. M.B.V. Ramana Reddy**  
Coordinator

**Dr. M. Mukunda Vani**  
Convener & HOD-Chem

**Dr. K. S. Rao**  
Director





Zeal Education Society's  
**Zeal College of Engineering and Research, Narhe, Pune-41**



(Accredited With 'A' Grade by NAAC)

One Week Short Term Training Program (STTP) on  
**"Teaching learning Practices in Geotechnical and Foundation Engineering"**

## CERTIFICATE

This is to certify that Mr./Ms./Dr. Narendra N. Deo has Participated in one week STTP on **"Teaching learning Practices in Geotechnical and Foundation Engineering"** organized by Department of Civil Engineering during December 09 to 13, 2019.

**Mr P R Lanjewar**  
Co-ordinator

**Mr A R Bansode**  
Co-ordinator

**Dr P P Walvekar**  
Convener & Head  
Civil Engg.

**Dr A M Kate**  
Principal  
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## CERTIFICATE

This is to certify that Mr./Ms./Dr. Guruprasad S. Anao Kar has Participated in one week STTP on **"Teaching learning Practices in Geotechnical and Foundation Engineering"** organized by Department of Civil Engineering during December 09 to 13, 2019.

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