



PIMPRI CHINCHWAD EDUCATION TRUST'S  
**PIMPRI CHINCHWAD COLLEGE OF ENGINEERING &  
RESEARCH,**  
RAVET, PUNE 412101



**Department of Civil Engineering**

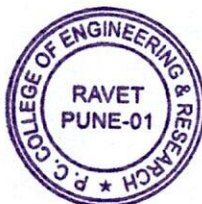
**Innovations by the Faculty in Teaching and Learning**

|                             |                                    |
|-----------------------------|------------------------------------|
| <b>Event Title</b>          | Industry/Academia Expert Lectures  |
| <b>Participants</b>         | Civil Engineering Students         |
| <b>Venue / Location</b>     | Seminar Hall, Second floor, PCCOER |
| <b>Organizing Team</b>      | CESA                               |
| <b>Faculty Coordinator</b>  | Mayura Yeole                       |
| <b>Academic Year / Sem.</b> | 2017-18                            |
| <b>Topic</b>                | Journey through concrete Jungle    |
| <b>Date</b>                 | 19/12/2017                         |

**Objective of the Event/Activity Conducted:**

1. To promote knowledge and experience sharing between students and Industry/Academia Expert.
2. To guide students about current and future job opportunities available in the subject area
3. To create awareness among students about future challenges and industry demands.

**Event / Activity Photos:**





**Outcome of the Event/Activity Conducted:**

- Students will be able to find out career opportunities as per industry demands.
- Students will be able to connect with industry people.



Guest Lect



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Plot B, Survey No. 110 (p), Laxminagar, Ravet, Pune 412101.

☎ 020 - 69338080

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Chairman

Padmatai Bhosale  
Vicechairman

Vitthalrao S. Kalbhor  
Secretary

Prof. Dr. Harish Tiwari  
Principal

Ref No : PCCOER/GL/no/8-19/469

Date :  
Date: 21/08/2018

To,  
**Prof. Vishwanath R. Phadke,**  
Kothrud, Pune

[Subject: Invitation as a Guest Speaker for a session on Geotechnical Engineering]

Respected Sir,

The Pimpri Chinchwad College of Engineering & Research (PCCOER) was established in the year 2014. The institute is well equipped with all the latest infrastructural facilities. PCCOER is having impressive results in Savitribai Phule Pune University, Pune and has organized various pool campus drives of TCS, KPIT Technologies, Zovi, Quinnox consultancy etc. During this very short period of journey of PCCOER, 90+ Patents and 140+ copyrights have been filled collectively by our students and faculty members.

With reference to subject mentioned above we wish to organize a Guest Lecture on "Shear Strength of Soil" for second year of Civil Engineering students on **Friday, 24<sup>th</sup> August 2018** between 10:30 am and 12:30 pm.

On behalf of Civil Engineering Department, we cordially invite you as our Honorable Guest Speaker for this session

Anticipating a favorable reply from your end.

With warm regards,

*Aakash*

Prof. Akash Gunjal  
(Subject In-charge)

*Sameer*  
Dr. Sameer Sawarkar  
(Head of the Department)

**Head of Department**  
**Dept. of Civil Engineering**  
Pimpri Chinchwad College Of Engineering & Research  
Ravet Pune-412101

*H. Tiwari*

Prof. Dr. Harish U. Tiwari  
(Principal)

**Principal**  
Pimpri-Chinchwad College of Engineering & Research  
Laxminagar, Ravet, Pune - 412 101



Reviewed  
*W. Phadke*  
*C.V.R. Phadke*



*PIMPRI CHINCHWAD EDUCATION TRUST'S*  
Pimpri Chinchwad College of Engineering & Research, Ravet, Pune

Date: 27/08/2018

**Report on the Session on "Shear Strength of Soil"**

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| <b>Participants/Audiences</b>      | TE and BE Civil Engineering students               |
| <b>Venue</b>                       | Classroom No. 216                                  |
| <b>Date</b>                        | 24 <sup>th</sup> August 2018                       |
| <b>Number of students attended</b> | 65                                                 |
| <b>Speaker</b>                     | Mr. Vishwanath Phadke<br>Retd. Prof. MIT, kotharud |
| <b>Report Prepared by</b>          | Mr. Akash Gunjal                                   |

**1. Objective of the Event:**

- To study shear parameter of soil
- To perform experiments on shear strength of soil

**2. Lecture Details:**

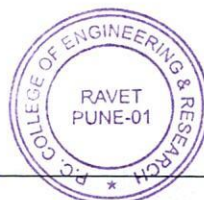
The shear strength of a soil mass is the internal resistance per unit area that the soil mass can offer to resist failure and sliding along any plane inside it. One must understand the nature of shearing resistance in order to analyze soil stability problems such as bearing capacity, slope stability, and lateral pressure on earth retaining structures.

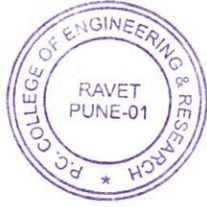
Mr. Vishwanath Phadke explained all experiments for determination of shear strength of soil.

**3. Program outcome achieved:**

- Students are able to perform Direct shear test, vane shear test and unconfined compression test.

**4. Event Photographs**





Report prepared by   
(A.G. Gunjal)



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Vicechairman

Vitthalrao S. Kalbhor  
Secretary

Prof. Dr. Harish Tiwari  
Principal

Ref. No. : PCCOER/AL/2018-19/473

Date : 24<sup>th</sup> August 2018

To,  
Prof. Vishwanath R. Phadke  
Kotharud, Pune

## Subject- Letter of Appreciation

Dear Sir,

The Pimpri Chinchwad College of Engineering & Research (PCCPER) was established in the year 2014. The institute is well equipped with all latest infrastructural facilities. PCCOER is having quality results in Savitribai Phule Pune University, Pune and organized various pool campus drives of TCS, KPIT Technologies, Zovi, Quinnox consultancy etc. During this very short period of journey of PCCOE&R 90+ Patents and 140+ copyrights have been filled collectively by our students and faculty members.

We would like to express our gratitude for the efforts which you have taken in conducting a session on "Shear Strngth of Soil" in our institute. The overwhelming response and the positive feedback from the participants, leads to a conclusion that session was a successful event.

We would like to thank you for sparing your valuable time for our students. We look forward for your similar kind of co-operation and guidance in future.

Thank you sir.

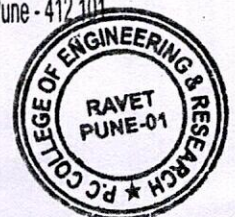
Yours Sincerely,

*Mr. A.G. Gunjal*  
Mr. A.G. Gunjal  
Subject Incharge

*Dr. Sameer S. Sawarkar*  
Dr. Sameer S. Sawarkar  
HOD-Civil Dept.

*Head of Department*  
Head of Department  
Dept. of Civil Engineering  
Pimpri Chinchwad College Of Engineering & Research  
Ravet Pune-412101

*Prof. Dr. H.U. Tiwari*  
Prof. Dr. H.U. Tiwari  
Principal  
Pimpri-Chinchwad College of Engineering & Research  
Laxminagar, Ravet, Pune - 412 101



Guest lect



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Vitthalrao S. Kalbhor  
Secretary

Prof. Dr. Harish Tiwari  
Principal

Ref. No PCCOER/GL/2018-19/622

Date 04/10/2018

To,  
The Principal  
Govt. College of Engineering and Research, Avasari,  
Pune.

**Subject: Request to depute Dr. Swapnil Kharmale as a Guest Speaker for session on Design of Gantry Girder at PCCOE&R, Ravet**

Respected Sir,

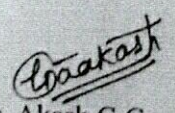
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With reference to subject cited above we wish to organize a guest lecture of Dr. Swapnil Kharmale (Civil Engg. Dept.) on "Design of Gantry Girder" for Third year of civil engineering students on Saturday, 13<sup>th</sup> October 2018 at 09:30 am

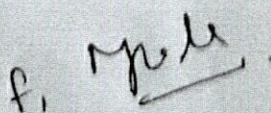
On behalf of Civil Engineering department, I cordially request you to please depute him as our honorable guest speaker for this session

Anticipating a favorable reply from your end.

With warm regards,

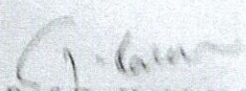
  
Mr. Akash G. Gunjal

Subject Incharge

  
Dr. Sameer S. Sawarkar

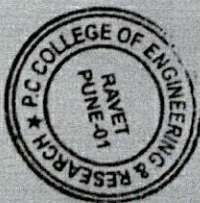
Head of Civil Engg. Dept.

Head of Department  
Dept. of Civil Engineering  
Pimpri Chinchwad College Of Engineering & Research  
Ravet Pune-412101

  
Prof. Dr. Harish U. Tiwari

Principal

Pimpri-Chinchwad College of Engineering & Research  
Laxminagar, Ravet, Pune - 412 101





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Padmatai Bhosale  
Vicechairperson

Vitthalrao S. Kalbhor  
Secretary

Prof. Dr. Harish Tiwari  
Principal

Ref. No. PCCOER/G4/2018-19/621  
To,

Date : 04/10/2018

**Dr. Swapnil Kharmale**  
Department of Civil Engineering,  
Govt. College of Engineering, Awasari,  
Pune.

**Subject: Invitation as a Guest Speaker for session on Design of Gantry Girder**

Respected Sir,

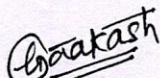
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With reference to subject cited above we wish to organize a guest lecture on "**Design of Gantry Girder**" for Third year of civil engineering students on Saturday, **10<sup>th</sup>** October 2018 at 09:30 am

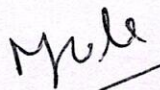
On behalf of Civil Engineering department, I cordially invite you as our honorable guest speaker for this session

Anticipating a favorable reply from your end.

With warm regards,

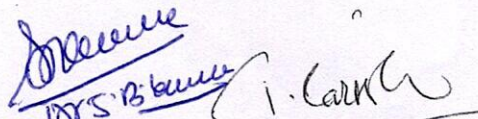
  
Mr. Akash G. Gunjal

Subject Incharge

  
Dr. Sameer S. Sawarkar

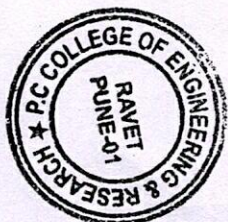
Head of Civil Engg. Dept.

Head of Department  
Dept. of Civil Engineering  
Pimpri Chinchwad College Of Engineering & Research  
Ravet Pune-412101

  
Prof. Dr. Harish U. Tiwari

Principal

Pimpri-Chinchwad College of Engineering & Research  
Laxminagar, Ravet, Pune - 412 101





*PIMPRI CHINCHWAD EDUCATION TRUST'S*  
Pimpri Chinchwad College of Engineering & Research, Ravet, Pune

Date: 17/10/2018

**Report on the Session on “Design of gantry Girder”**

|                                    |                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Participants/Audiences</b>      | TE and BE Civil Engineering students                                                                  |
| <b>Venue</b>                       | Classroom No. 216                                                                                     |
| <b>Date</b>                        | 13 <sup>th</sup> October 2018                                                                         |
| <b>Number of students attended</b> | 59                                                                                                    |
| <b>Speaker</b>                     | Dr. Swapnil Kharmale (PhD-IIT Bombay)<br>Asst Professor<br>Government College of Engineering, Avasari |
| <b>Report Prepared by</b>          | Mr. Akash Gunjal                                                                                      |

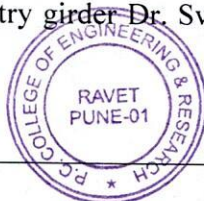
**1. Objective of the Event:**

- understand the behavior of gantry girders.
- compute different loads acting on the gantry girder.
- compute the maximum bending moment and maximum shear force in the girders.
- Choose suitable cross-sections for gantry girders, and design suitable connections.

**2. Lecture Details:**

Gantry girders are provided in industrial buildings to support overhead cranes for the transportation and lifting of heavy load. These cranes may be manually (hand) operated overhead travelling cranes (MOT) or electrically operated overhead travelling (EOT) cranes. A typical arrangement of gantry girder is shown in I I Figure 10.1. This unit will help you to get on overall idea about the design of gantry girders. More studying the design procedure it is of prime importance to know the loads acting. The unit also helps you to calculate maximum bending moment and shear force in the gantry girders. The unit will also help you in choosing different sections and the design of connections.

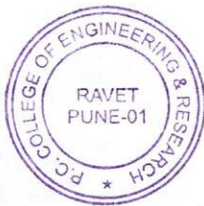
After discussing all theoretical concepts of gantry girder Dr. Swapnil Kharmale cleared all doubts of students about design steps in girder.



### 3. Program outcome achieved:

- Students are able to design Gantry Girder.

### 4. Event Photographs



Report prepared by   
A.G. Guenjal



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Secretary

Prof. Dr. Harish Tiwari  
Principal

Ref. No. : PCCOER/AL/2018-19/645

Date : 09/10/2018

To,  
**Dr. Swapnil Kharmale**  
Dept. Of Civil Engg,  
Govt. College of Engineering & Research, Avasari,  
Pune

## Subject- Letter of Appreciation

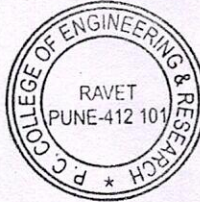
Dear Sir,

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We would like to express our gratitude for the efforts which you have taken in conducting a session on **"Design of Gantry Girder"** for Third year of Civil Engineering students in our institute on **Wednesday, 10<sup>th</sup> October 2018**. The overwhelming response and the positive feedback from the participants, leads to a conclusion that session was a successful event.

We would like to thank you for sparing your valuable time for our students. We look forward for your similar kind of co-operation and guidance in future.

Thank you sir.



*Dr. S. B. Bhanu* Yours Sincerely,

*A. G. Gunjal*

Mr. A.G. Gunjal  
Subject-Incharge

*Dr. Sameer S. Sawarkar*  
Head  
(Dept. of Civil. Engg.)

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Principal  
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