



**ACS**  
**College of Engineering**  
Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***3R's in Civil Engineering***

By

**Er. RK Sunil**

3E's construction, Bengaluru

**Date:** 13<sup>th</sup> Jan 2017 (Friday)

**Time:** 10:00 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**

**ACS COLLEGE OF ENGINEERING  
DEPARTMENT OF CIVIL ENGINEERING**

**Event Name:** Guest lecture on

**Topic:** "3R's in Civil Engineering"

**Resource Person:** Er. Sunil R K, 3E-Services, Bengaluru.

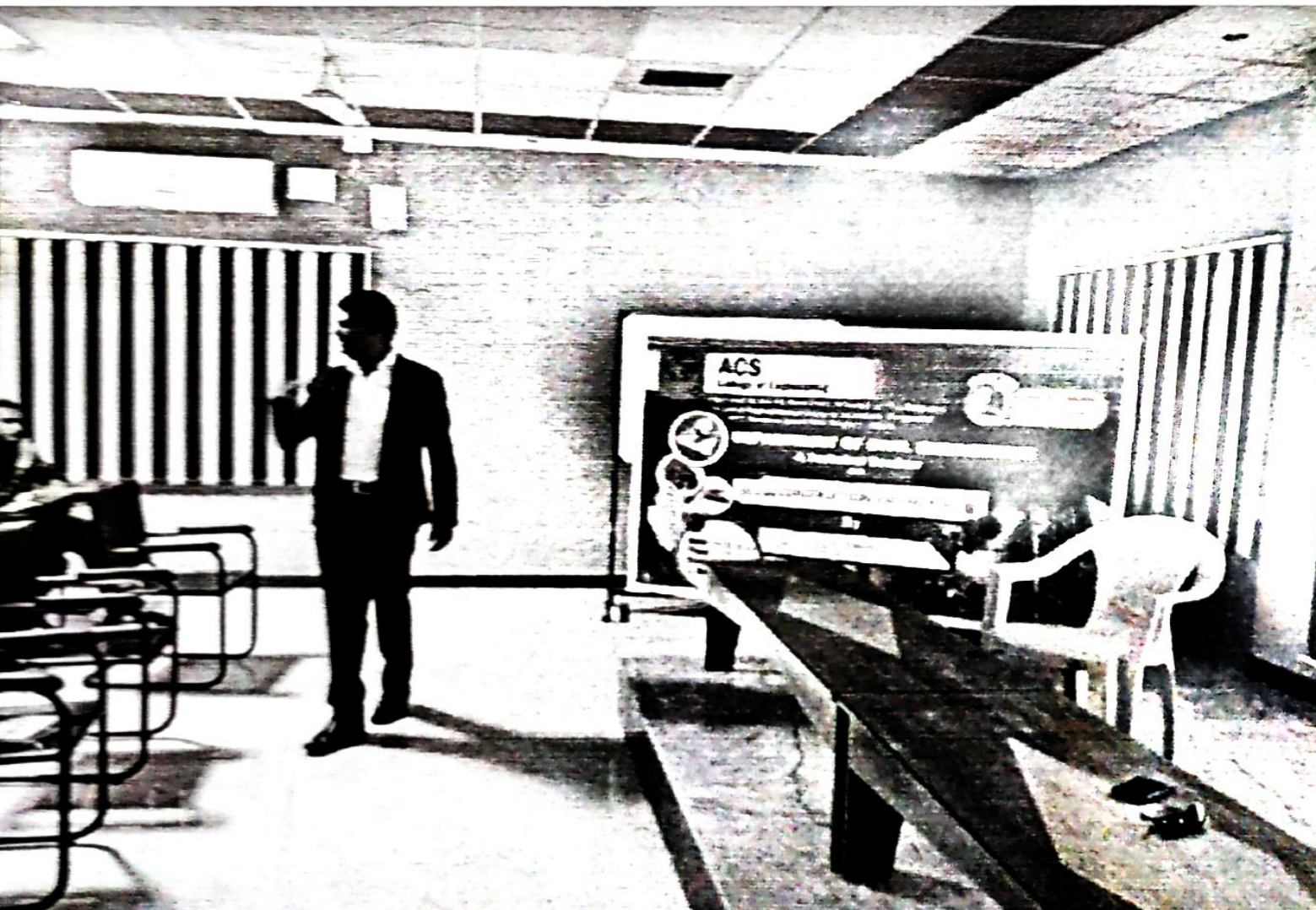
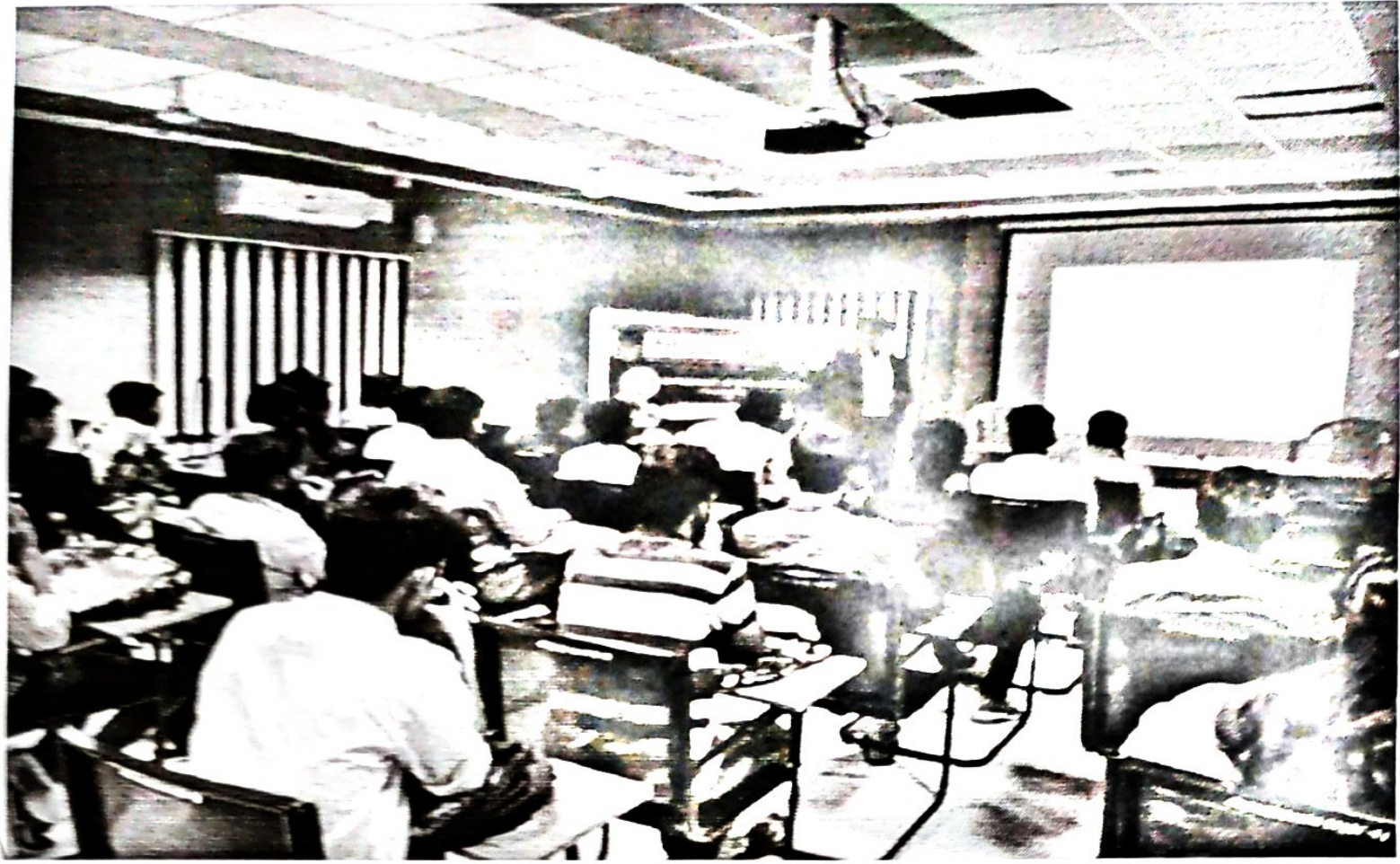
**Date:** 13.10.2017

A guest lecture was delivered by Er. Sunil R K, CEO: 3E-Services, Bengaluru, on 13.10.2017 at Seminar Hall 2 between 10:45 AM to 12:45 PM on the topic - 3R's in Construction Engineering. The targeted group of audience was B.Tech. (IIIrd and IVth year) students and all faculties of Civil Engineering Department. He has covered the following sub-topics in his guest lecture and it is well taken by the targeted audience.

- Introduction: 3R's in Construction Engineering- Repair, Retrofitting and Rehabilitation.
- Types and Causes of different types of defects.
- Suitability and selection of a particular method.
- Method of retrofitting.
- New repair trends in Construction Engineering.
- Rehabilitation – methods and application.
- Scope for consultancy in the area of repairs and rehabilitation.











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Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***Analysis and Design of RC Building Using ETabs***

By

**Er. Lohith**  
**Prof. Kavitha S**  
**Prof. Gangadhar N**  
**Prof. Anup DP**

**Date:**10/03/2017 (Friday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 11/03/2017

The Principal

ACSCE, Bengaluru

Respected Sir,

**Subject: Report on the Technical Seminar delivered on 10/3/2017 at 10:00AM**

A one day technical lecture was delivered by Er. Lohith, Prof. Kavitha S, Prof. Gangadhar N Prof. Anup D Pon topic **Analysis and Design of RC buildings using ETABS**. The audience were 6th and 8th sem students.

The Lecture was about Reinforced concretes which have taken a prominent place in modern construction. It was also emphasized that to get a proper reinforced concrete in a construction work, there should be a thorough understanding of the structure of the concrete, the knowledge of its characteristics, and also the limitations the construction materials possesses. ETABS software was briefed by saying that it is easy to use, special purpose analysis and design program developed specifically for building systems featuring an intuitive and powerful graphical interface coupled with unmatched modeling, analytical, and design procedures, all integrated using a common database. ETABS It was also showed that handling the largest and most complex building models, including a wide range of nonlinear behaviors made it a tool of choice for structural engineers in the building industry.

The event was coordinated by Prof. Laxmi G

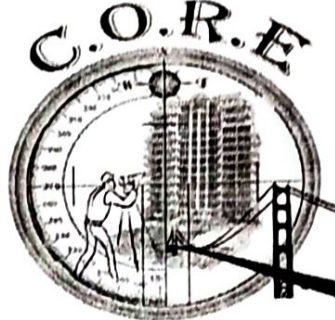
  
Coordinator

  
HOD (Civil)  
Dept. of Civil Engg.  
ACS College of Engineering  
Bangalore - 560 074.



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**College of Engineering**  
Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***Autosteel Software for Estimation in Civil Engineering***

By

**Er. SuhasMalaji,**  
Easteran steels, Bangalore

**Date:**01/09/2016 (Thursday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 02/09/2016

The Principal

ACSCE, Bengaluru

Respected Sir,

**Subject: Report on the Technical Lecture delivered on 01-09-16 between 10:30 am and 12:30 pm.**

The Department of Civil Engineering had arranged a technical lecture on "Auto steel Software for estimation in Civil Engineering" on 01-09-2016 between 10:30 am and 12:30pm in Seminar Hall -2. The technical lecture was delivered by Prof. Mr. SuhasMalaji . He gave introduction on Newton Software has developed 'AutoSteel' software which can convert CAD/RCC drawing into steel quantities swiftly and accurately. It estimate works as a perfect planner for the builderby providing detail steel bar cutting length and application of software in civil engineering field.

This lecture was well attended and received by second, third and fourth year students and faculty members of the civil engineering department. Our Beloved Principal was kind enough to be present throughout the lecture and gave the memento to the speaker as a symbol of gratitude and appreciation on behalf of the Management and Department.

  
Coordinator

  
HOD (Civil)  
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Dept. of Civil Engg.  
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**ACS**  
**College of Engineering**  
Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***Cement production and process control***  
By

**Er. Ganesh Kumar**  
Manager Technical, Chettinad Cements

**Date:** 12<sup>th</sup> April 2017 (Wednesday)

**Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 12-04-2017

The Principal  
ACSCE, Bengaluru  
Respected Sir,

**Subject: Report on the Technical Lecture delivered on 12-04-2017 between 11:45 am and 12:45 pm – reg.**

The Department of Civil Engineering had arranged a technical lecture on “Cement Production and process control” on 12-04-2017 between 11:45 am and 12:45 pm in Seminar Hall -2 under the auspices of Civil Engineering Association (CORE) for the benefit of the undergraduate students of Civil Engineering. The technical lecture was delivered by Er. Ganesh Kumar, Manager Technical, Chettinad Cement, Bengaluru. The lecture dealt with the manufacture, properties, tests and applications of cement. The current applications in the field were brought out nicely with the help of visuals. He stressed on the increased use of blended cement in present civil engineering applications. This lecture was well attended and received by the first, second and third year students and faculty members of the civil engineering department. Prof. Elangovan was kind enough to be present throughout the lecture and gave the memento to the speaker as a symbol of gratitude and appreciation on behalf of the Management, Principal and Department. This event was coordinated by Mr. Vishwanath G, Assistant Professor of Civil Engineering.



Coordinator

  
HOD(Civil)  
HOD

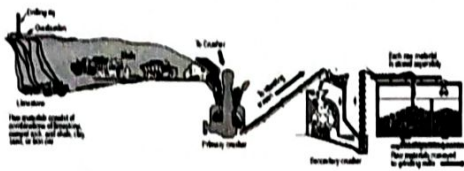
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### Traditional Manufacture of Portland Cement



1. Stone is first reduced to 75 mm size and stored.



### Mine – Lime examination



### Mines



### Typical Quarry Operation



- Typically shale provides the argillaceous components:
  - Silica ( $\text{SiO}_2$ ), Aluminum ( $\text{Al}_2\text{O}_3$ ) & Iron ( $\text{Fe}_2\text{O}_3$ )
- Limestone provides the calcareous component:
  - Calcium Carbonate ( $\text{CaCO}_3$ )
- Raw materials may vary in both composition and morphology.



### Limestone Mines Controls...



Limestone Crusher...



Online Cross Belt Analyzer



### Limestone Mines Controls... Conveyor Belt... Limestone Stacking Yard



Stacker  
Reclaimer



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Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***Effect of seismic pounding between two RC buildings***

By

**Prof. Anup DP,**  
Dept of Civil Engg,  
RRCE, B'lore

**Date:** 07<sup>th</sup> April 2017 (Friday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 07-04-2017

The Principal

ACSCE, Bengaluru

Respected Sir,

**Subject: Report on the Technical Lecture delivered on 07-04-2017 between 11:00 am and 12:00 pm – reg.**

The Department of Civil Engineering had arranged a technical lecture on “Effect of seismic pounding between two RC Building” on 07-04-2017 between 11:00 am and 12:00 pm in Seminar Hall -2 under the auspices of Civil Engineering Association (CORE) for the benefit of the undergraduate students of Civil Engineering. The technical lecture was delivered by Prof. Anup DP, Dept. of Civil Engg., RRCE, Bengaluru. The lecture dealt with the Behaviour of RC building towards the Friction created during Earthquake. He stressed on the Design of RC building using IS Seismic codes. This lecture was well attended and received by the second, third and Fourth year students and faculty members of the civil engineering department. Our Beloved Principal was kind enough to be present throughout the lecture and gave the memento to the speaker as a symbol of gratitude and appreciation on behalf of the Management, Principal and Department. This event was coordinated by Mrs. Laxmi G, Assistant Professor of Civil Engineering.



Coordinator



HOD (Civil)  
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Dept. of Civil Engg.  
ACS College of Engineering  
Bangalore - 560 074.

## EFFECT OF SEISMIC POUNDING BETWEEN TWO R.C BUILDINGS

Presentation by  
Prof. Anup D.P  
Dept of civil engg  
RRCE

07-04-17

## INTRODUCTION

- An earthquake may be simply described as a sudden shaking phenomenon of the earth's surface due to disturbance inside the earth.
- Pounding is an instance rapid strong pulsation or hammering or it is a building collision.
- Increase in building height, this collision can be a greater problem. When building heights do not match the roof of the shorter building may pound at the mid-height of the column of the taller one; this can be very Dangerous.

07-04-17

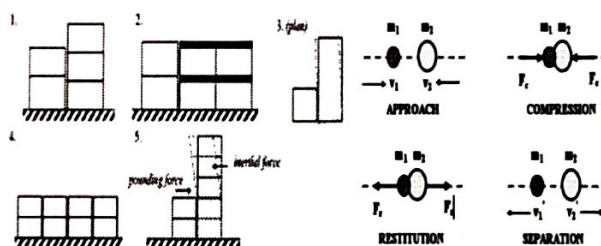
## Proximity to Other Buildings - Pounding

- Buildings are so close together that they repeatedly pound each other during an earthquake.
- Can cause collapse of frame buildings.



07-04-17

## Pounding Occur When ?



Representation of different places where pounding may occur and its Stages of impact

07-04-17

## Factor affecting Pounding

- Adjacent buildings vibrate out of phase (masses that impact)
- Different Dynamic Characteristics
- At-rest separation is insufficient
- Relative stiffness (Location of impact)
- Lateral eccentricity and twisting motion induced due to earthquake.
- Extent of momentum transfer (exchange of kinetic energy)

07-04-17

## Required Seismic Separation Distance to Avoid Seismic Pounding

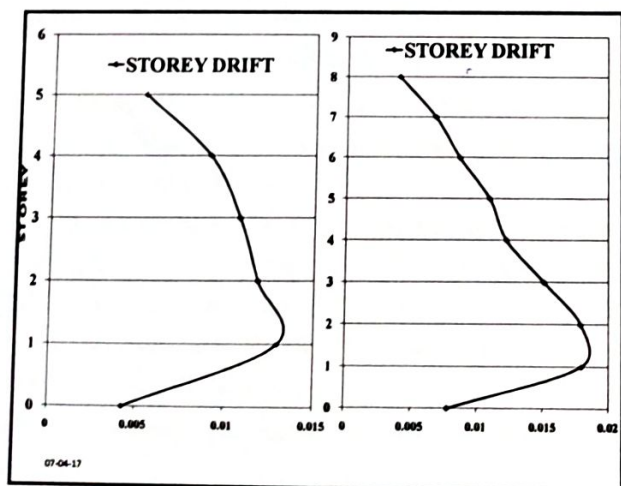
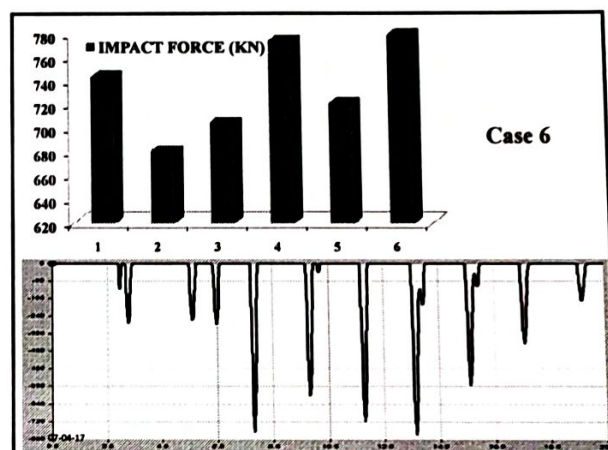
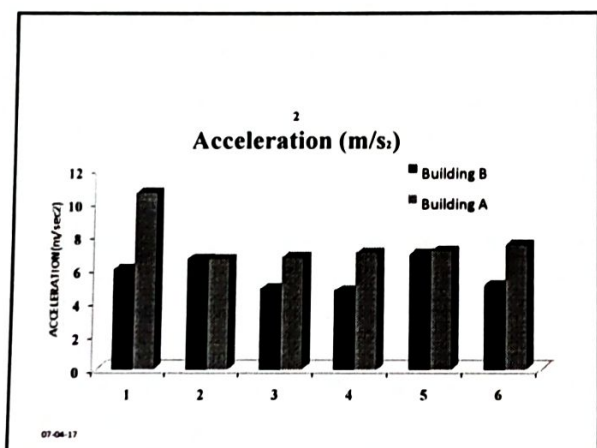
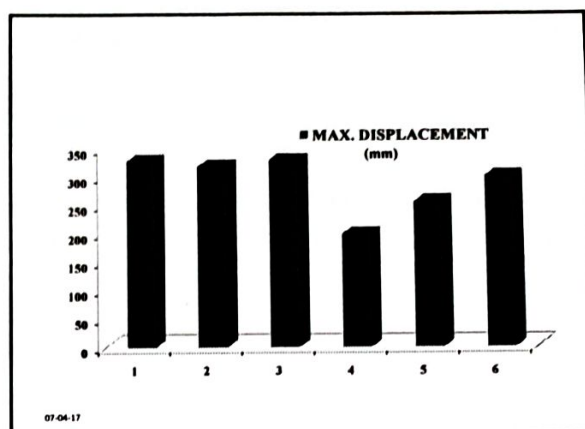
- According to Code IS 4326:1993 and as mentioned in 5.1.1 of IS 1893:1984.
- Based on UBS-9 and in many seismic design codes and regulations worldwide, minimum separation distances are given by :
  - SRSS Methods  $S = \sqrt{U_a^2 + U_b^2}$
  - ABS Methods  $S = U_a + U_b$

( U- inelastic displacements)

07-04-17



Case	Models	Displacement (mm)			Average (mm)		Gap element
		A	B	Total [(A+B)-80]	A	B	
1	Same floor to floor height ( $H_A=H_B$ )	158.04	248.71	326.75	10.59	5.98	743.44
2	Same floor level to floor level ( $H_A=H_B$ )	198.54	198.54	317.08	6.57	6.57	680.57
3	Same floor to floor level with Setback ( $H_A=H_B$ )	153.076	255.37	328.446	6.696	4.801	704.42
4	Different floor to floor height ( $H_A \neq H_B$ )	135.14	142.04	197.18	6.96	4.68	773.84
5	Different floor to floor height ( $H_A \neq H_B$ )	138.487	194.916	253.405	7.07	6.86	720.69
6	Different floor to floor height with Setback ( $H_A \neq H_B$ )	139.99	238.297	298.287	7.39	4.97	778.954



Sl. No.	Models	Base shear (KN)
1	Same floor to floor height ( $H_A=H_B$ )	9143.454
2	Same floor level and story ( $H_A=H_B$ )	8198.55
3	Same floor to floor level with Setback ( $H_A=H_B$ )	8825.441
4	Different floor to floor height ( $H_A \neq H_B$ )	9391.83
5	Different floor to floor height ( $H_A \neq H_B$ )	9488.29
6	Different floor to floor height	8972.40



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Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***E-survey Cadd***

By

**M/s E-survey soft Tech pvt.ltd.**

**Date:**20/10/2016 (Thrusday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 21/10/2016

The Principal

ACSCE, Bengaluru


Respected Sir,

**Subject: Report on the Technical Lecture delivered on 20-10-16 between 2:30 am and 4:00 pm.**

The Department of Civil Engineering had arranged a technical lecture on "E-survey Cadd" on 21-10-2016 between 2:30 am and 4:00pm in Seminar Hall -2. The technical lecture was delivered by M/s Suresh, E-survey soft Tech pvt.ltd. He lectured on E-survey cadd software for Create Cross Sections and LS from Auto Level, Total Station or GPS data and does Earthwork Quantity Calculation. Quickly Includes Geometric Design of Road - Horizontal alignment and Vertical Profile Design, Super Elevation

This lecture was well attended and received by second, third and fourth year students and faculty members of the civil engineering department. Our Beloved Principal was kind enough to be present throughout the lecture and gave the memento to the speaker as a symbol of gratitude and appreciation on behalf of the Management and Department.

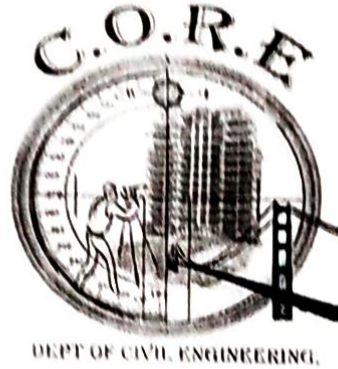
  
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ACS College of Engineering  
Bangalore - 560 074.



**ACS**  
**College of Engineering**  
Bangalore

**Department of Civil Engineering**



Cordially invites you to the

**Invited Technical Talk**  
On

***E-tabs and Primavera software***

By

**M/s Educad-Bangalore**

**Date:** 19/10/2016 (Wednesday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 21/10/2016

The Principal  
ACSCE, Bengaluru  
Respected Sir,

**Subject: Report on the Technical Lecture delivered on 19-10-16 between 10:30 am and 12:30 pm.**

The Department of Civil Engineering had arranged a technical lecture on "E-tabs and Primavera s/w" on 19-10-2016 between 10:30 am and 12:30pm in Seminar Hall -2. The technical lecture was delivered by M/sRamesh, Educad-Bangalore.

He lectured on primavera software for globally prioritizing, planning, managing, and delivering successful projects, programs, and portfolios. With applications spanning project scheduling, cost and project controls, portfolio management, construction document management, analytics, and risk analysis, Oracle's Primavera software suite enables builders, engineers, and project owners in asset-intensive industries to improve outcomes across the project lifecycle.

This lecture was well attended and received by second, third and fourth year students and faculty members of the civil engineering department. Our Beloved Principal was kind enough to be present throughout the lecture and gave the memento to the speaker as a symbol of gratitude and appreciation on behalf of the Management and Department.

  
Coordinator

  
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**ACS**  
**College of Engineering**  
Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***Production of Geopolymer Concrete and its applications***  
By

**Dr. N P Rajamane**

**Date: 06<sup>th</sup> Feb 2017 (Monday) Time: 10:30 AM**

**Venue: Seminar Hall 2 (Second Floor)**

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

To

Date: 7th March 2017

The Principal


ACSCE, Bengaluru

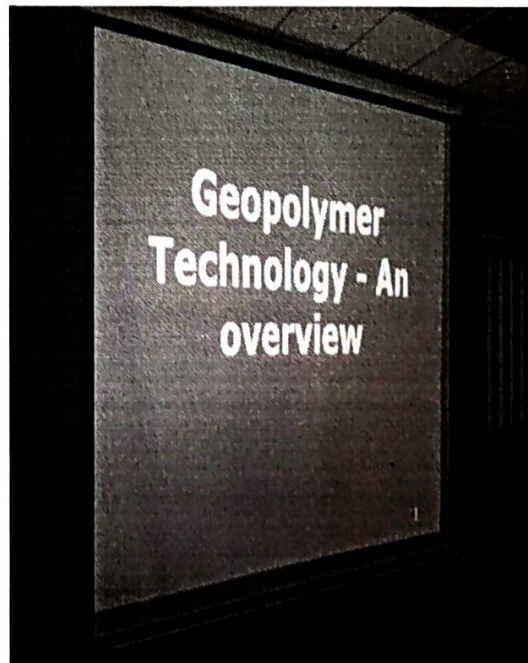
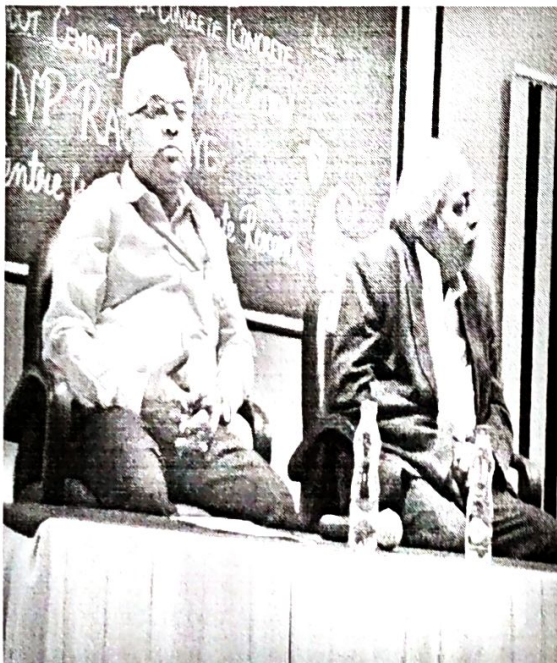
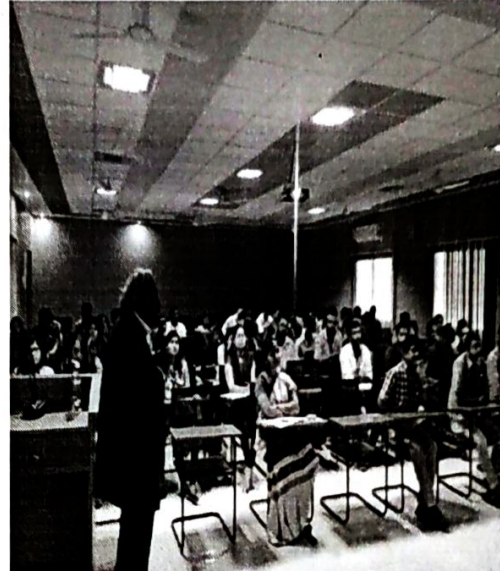
Respected Sir,

**Subject: Technical Talk delivered on 6<sup>th</sup> March 2017 – Report – Reg.**

A technical talk on "Production Of Geopolymer Concrete and Its applications" was delivered by Dr.N P Rajamane, Head, Centre for Advanced Concrete Research, SRM University, Chennai in seminar hall 2 (second floor) of ACSCE for the benefit of civil engineering students and faculty members between 10:30 AM and 12:30 AM under the auspices ACSCE-ICI student Chapter. All M Tech II and IV sem and B.E(VIIIth Sem) students attended the programme. His lecture included basics of geopolymer concrete, differences between conventional Concrete and Geopolymer Concrete .He explained about the reactions involved in this type of Concrete and even encouraged M tech students to work on this. The speaker addressed the queries raised by the students in a very satisfying and convincing manner. The students and the faculty members found the technical lecture quite informative, motivating and enlightening. The lecture was well attended and received by students. The students and faculty members had a discussion in the afternoon session. The speaker was kind enough to share the power point slides with the students and faculty members.

  
Coordinator

  
HOD/Civil  
HOD 8/3/17  
Dept. of Civil Engg.  
ACS College of Engineering  
Bengaluru - 560 074



**Photos of the Lecture**





**ACS**  
**College of Engineering**  
Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***Remote sensing and GIS applications in Lake rejuvenation***  
By

**Dr.kumarraju B.C**

**Date:** 19<sup>th</sup> April 2017 (Wednesday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**

# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 20-04-2017

The Principal

ACSCE, Bengaluru

Respected Sir,

**Subject: Report on technical seminar conducted on 19-04-2017 between 10:00 am and 12:45 pm – reg.**

The Department of Civil Engineering had arranged a technical lecture on “Remote sensing and GIS applications in Lake rejuvenation” on 19-04-2017 between 10:00 am and 12:45 pm in Seminar Hall -2 under the auspices of Civil Engineering Association (CORE) for the benefit of the undergraduate students of Civil Engineering.

The technical lecture was delivered by Er. Dr.kumarraju B.C, Department of civil engineering, ACSCE, Bangalore. The session was begun with an introduction to what Remote sensing and GIS is and how important it is going to be in the near future. Following on the benefits and how effectively it is being used in the industry. Students of 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year had attained and gained knowledge about usage of GIS and remote sensing.

Our Beloved Principal was kind enough to be present throughout the lecture and gave the memento to the speaker as a symbol of gratitude and appreciation on behalf of the Management and Department.

  
Coordinator

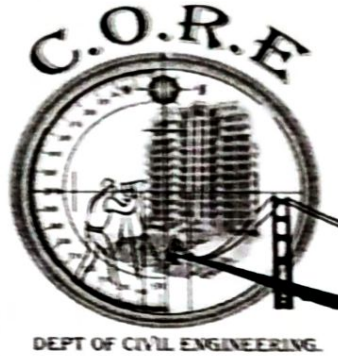
  
HOD (Civil)

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**Department of Civil Engineering**



Cordially invites you to the

**Invited Technical Talk**  
On

***SCM behaviour on concrete***  
By

**Prof. Gangadhar N,**  
Dept of Civil Engg,  
RRCE, B'lore

**Date:** 20<sup>th</sup> Mar 2017 (Monday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 20-03-2017

The Principal

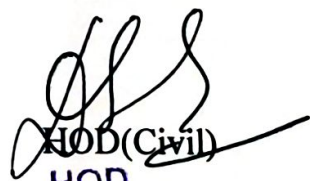
ACSCE, Bengaluru

Respected Sir,

**Subject: Report on the Technical Lecture delivered on 20-03-2017 between 11:45 am and 12:45 pm – reg.**

The Department of Civil Engineering had arranged a technical lecture on “SCM Behaviour on Concrete” on 20-03-2017 between 11:45 am and 12:45 pm in Seminar Hall -2 under the auspices of Civil Engineering Association (CORE) for the benefit of the undergraduate students of Civil Engineering. The technical lecture was delivered by Prof. Gangadhar N, Department of Civil Engineering, RRCE, Bengaluru. The lecture dealt with the Type of SCM and its importance. The current applications of SCM in the field were brought out nicely with the help of visuals. This lecture was well attended and received by the Third and fourth year students and faculty members of the civil engineering department. Our HOD gave the memento to the speaker as a symbol of gratitude and appreciation on behalf of the Management, Principal and Department. This event was coordinated by Mrs. Laxmi G, Assistant Professor of Civil Engineering.

  
Coordinator

  
HOD (Civil)  
HOD  
Dept. of Civil Engg.  
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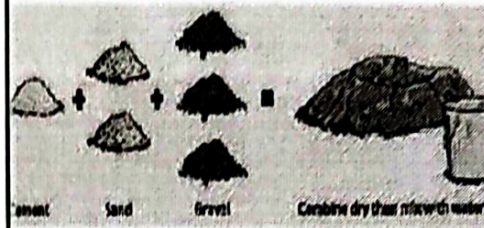
## SCM Behaviour in "Concrete"

By  
**Prof. Gangadhar**  
 Dept Of Civil Engg, RRCE.

Ganeshkumar Gs  
 Manager Technical

Reinforcing the with SCM

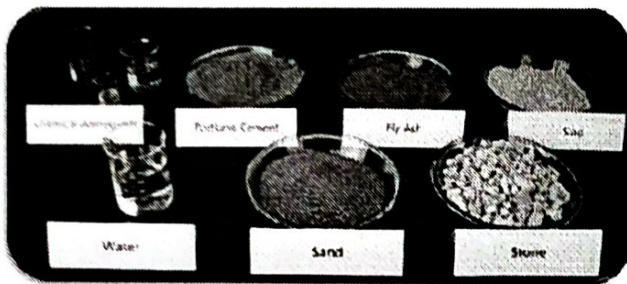
## SCM Behaviour in "Concrete"



Ganeshkumar Gs  
 Manager Technical

Reinforcing the with SCM

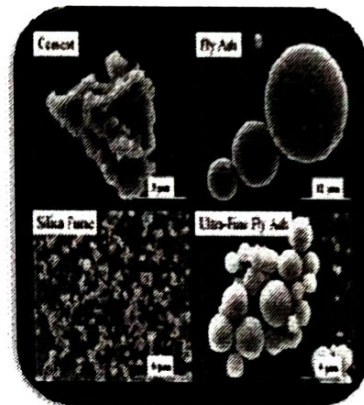
## What is Concrete ?



Modern Concrete is a mixture of Cement, SCM, FA, CA, adm and Water.

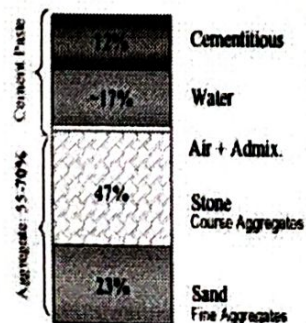
## Technical Edge of SCM

- To fight against the chemical attack
- Less costs
- Results in Energy Savings
- Improve Workability
- Improve extensibility
- Reduce the alkali-aggregate reaction
- Increase water tightness
- Increase strength
- Less water demand
- Less Heat of Hydration
- Less thermal shrinkage
- Ease of Compaction



## Concrete Composition

### Typical Composition



## Mineral admixture "SCM"

**Flyash :** Fly ash conforming to Grade 1 of IS 3812 may be used, as part replacement of ordinary Portland cement, provided uniform blending with cement is ensured. ( Max of 35% Shall be replaced ).  
**Pozzolona :** ( Substance reduce the heat ).

**Silica Fumes :** The silica fume (very fine non-crystalline silicon dioxide) is a by-product of the manufacture of silicon, Ferro silicon or the like, from quartz and carbon in electric arc furnace. It is usually used in proportion of 5 to 10 Percent of the concrete mix.

**Rice Husk ash:** Rice husk ash is produced by burning rice husk and contain large proportion of silica. To achieve amorphous state, rice husk may be burnt at controlled temperature. It is necessary to evaluate the product from a particular source for performance and uniformity since it can range from being as deleterious as silt when incorporated in concrete. Water demand and drying shrinkage should be studied before using rice husk.

**Metakaoline :** Metakaoline is obtained by calcination of pure or Refined kaolinitic clay at a temperature between 650°C and 850°C followed by grinding & to achieve a fineness of 700 to 900 m<sup>2</sup>/kg. The resulting material has high pozzolan nature.

• Ground granulated blast furnace slag  
 Ground granulated blast furnace slag obtained by grinding granulated blast furnace slag conforming to IS 12089





**ACS**  
**College of Engineering**  
Bangalore

**Department of Civil Engineering**



DEPT OF CIVIL ENGINEERING.

Cordially invites you to the

**Invited Technical Talk**  
On

***Solid waste management in urban and rural cities***  
By

**Er. Venkatesh shekar**

**Date: 28<sup>th</sup> Feb 2017 (Tuesday) Time: 10:30 AM**

**Venue: Seminar Hall 2 (Second Floor)**

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**



**ACS College of Engineering**  
Kambipura, Mysuru Road, Bengaluru 560074

**Department of Civil Engineering**

**Report on Guest Lecture**

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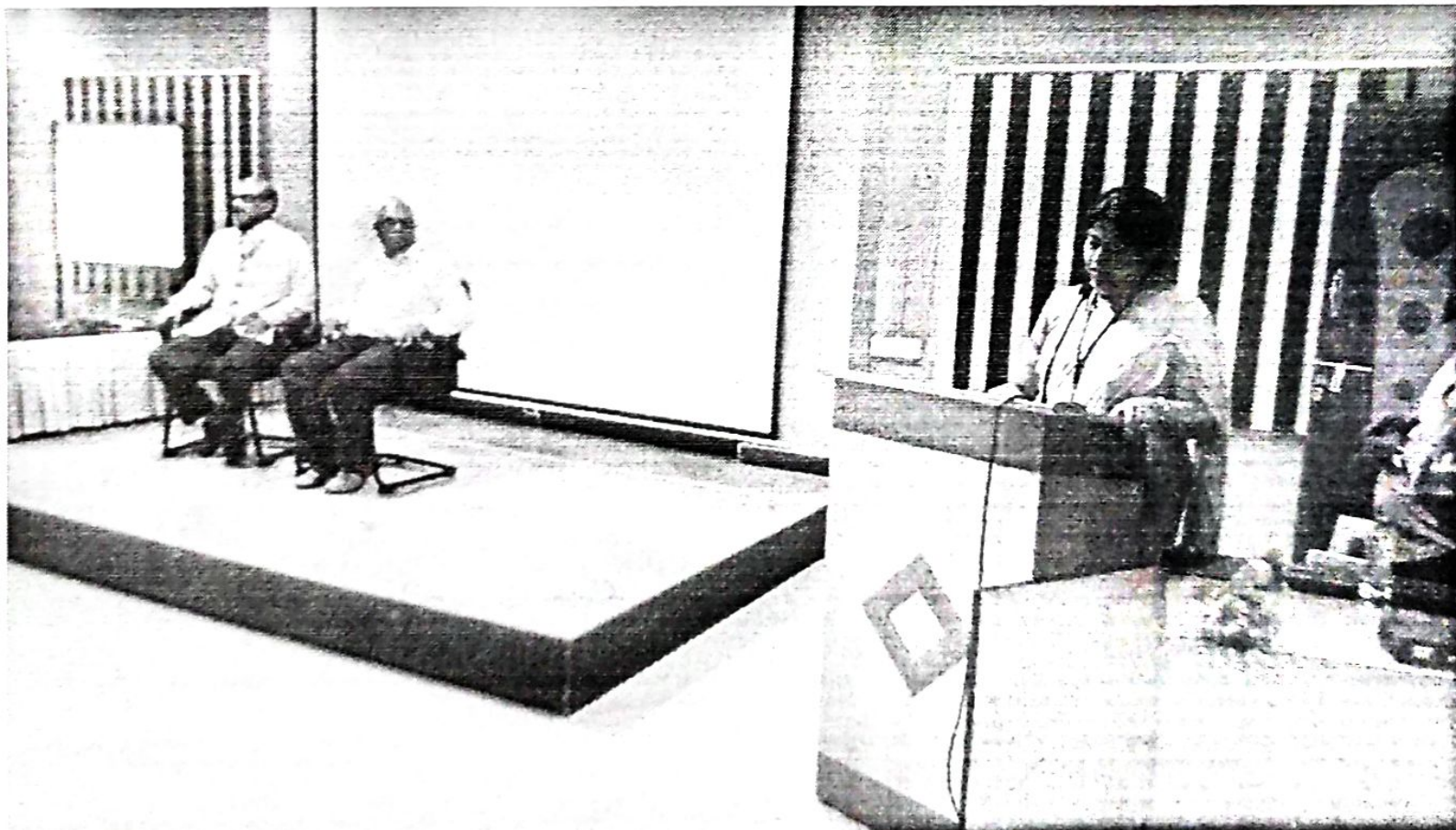
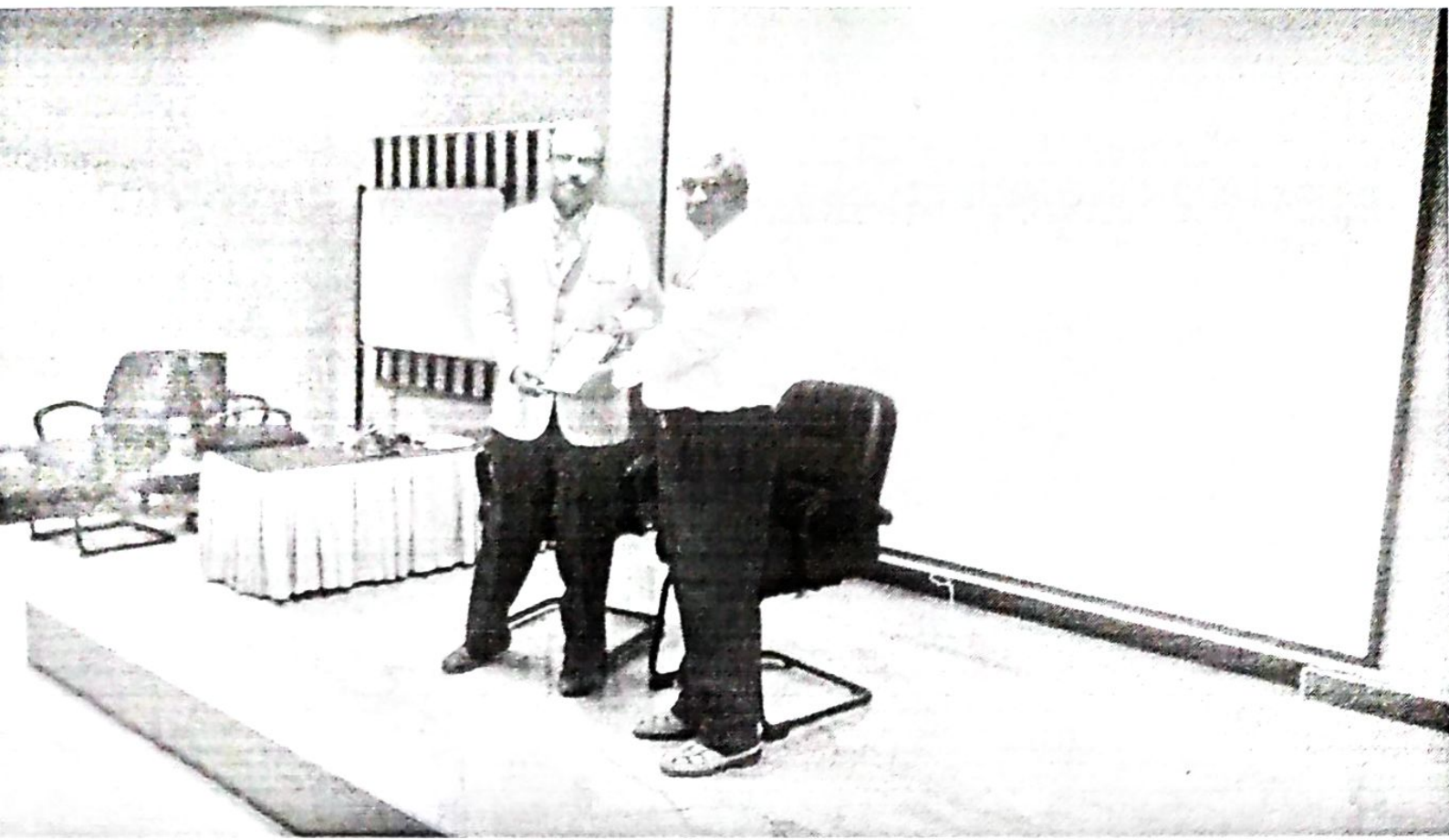
Date: 28/02/2017

**Subject: Technical Talk delivered on 28<sup>th</sup> Feb 2017 – Report – Reg.**

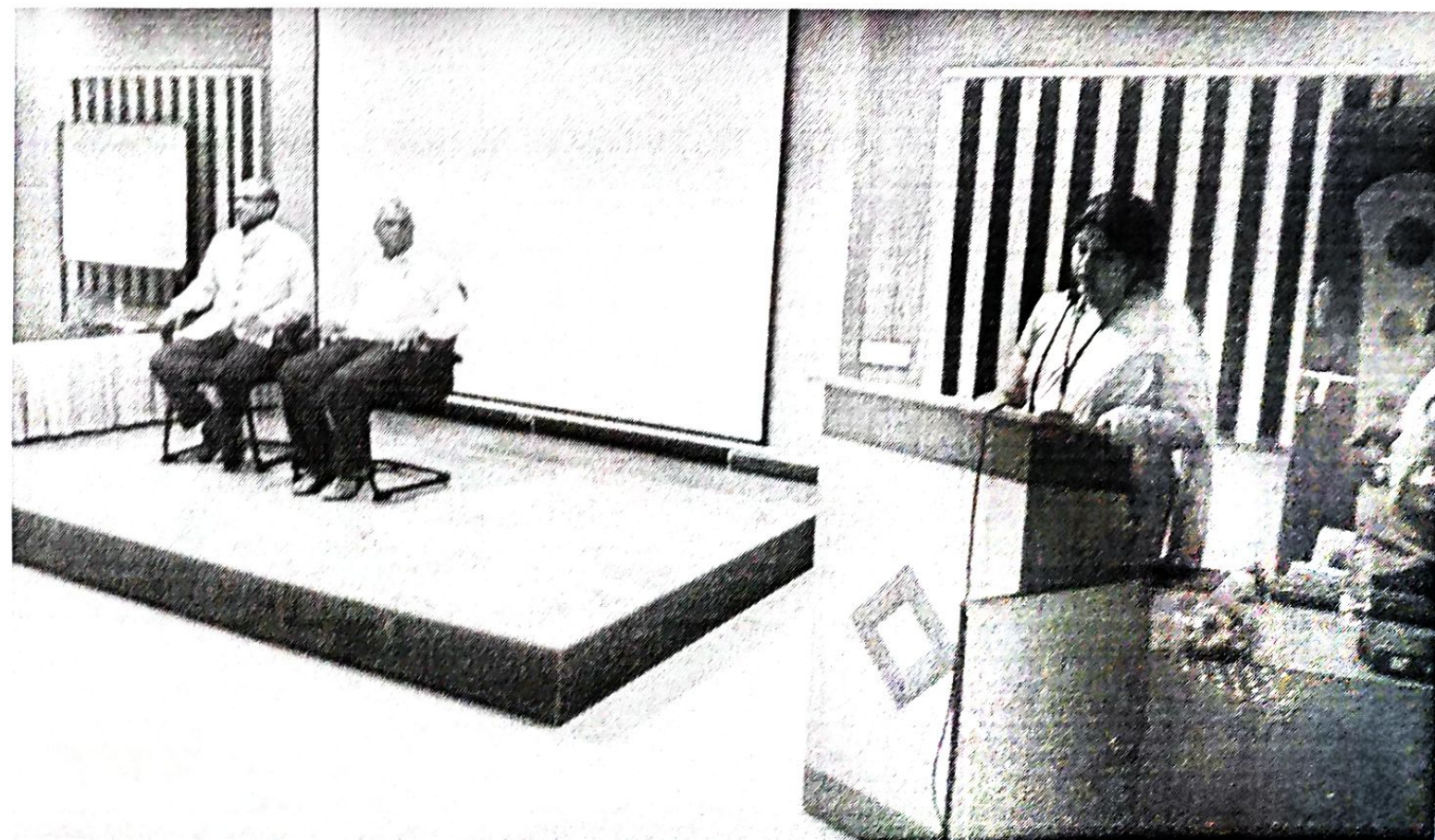
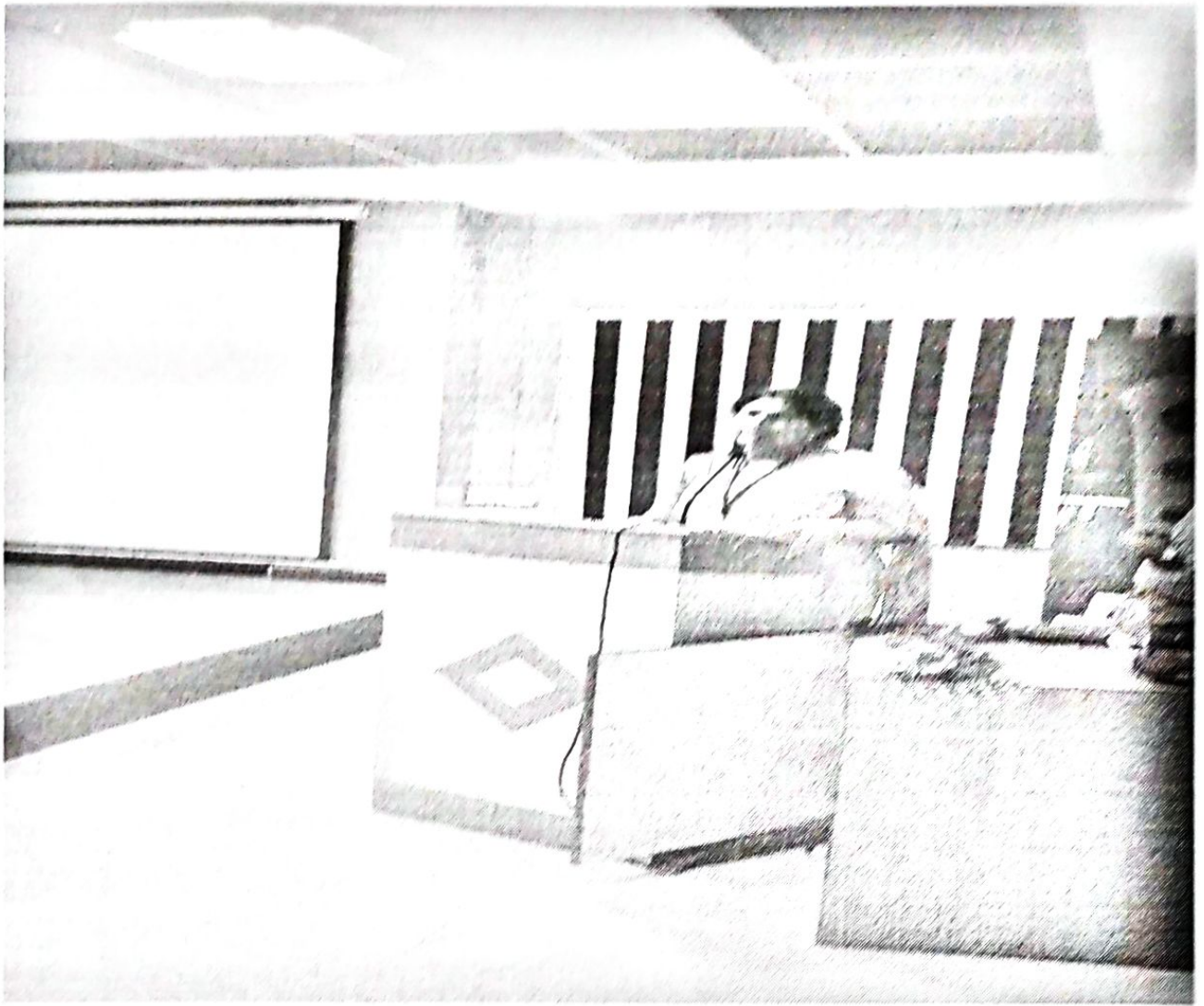
A technical talk on “Solid Waste management in Urban and Rural cities” was delivered by **Er. Venkatesh Shekar, Senior Environmental Officer, KSPCB** in seminar hall 2 (second floor) of ACSCE for the benefit of civil engineering students and faculty members between 10:30AM and 12:30AM under the auspices of ACSCE-ICI student Chapter as a enrichment course. All Civil Engineering students of VI & VIII sem attended the programme. The talk was inaugurated by HOD Dr. D L Venkatesh Babu followed by an invocation song by student Rachana of VI sem. Welcome and introduction of Chief guest was done by HOD Dr. D L Venkatesh Babu. The talk started at 10:30AM with motivational video by **Er. Venkatesh Shekar** and he spoke about various ways of solid waste disposal in current days and compared with the previous ones. He also created awareness among us to conserve energy as it would be and is being a scarce resource for future and present generations. He discussed about various solid waste disposal methods as scientific engineerd facility. The guest lecture concluded with vote of thanks by Gayathri G, Asst. Prof. followed by lunch.

*Gayathri G*  
Coordinator

*[Signature]*  
HOD/Civil  
Dept. of Civil Engg.  
ACS College of Engineering  
Bangalore - 560 074. 29/2/17









## ONE DAY WORKSHOP ON

ACS COLLEGE OF ENGINEERING  
BANGALORE-560077  
DEPARTMENT OF CIVIL ENGINEERING

15 JULY  
2017



In association with  
M/s Milenium Technologies Pvt. Ltd., Bengaluru  
Indian Concrete Institute, KBC

### ABOUT US

ACS College of Engineering (ACSCE), Bengaluru, India is one of the upcoming multi-disciplinary academic and research Institute, accredited with 'A' grade by NAAC and NBA under TIER-II format for Civil, CSE, ECE and MECH Dept. UG programme. ACSCE is managed by Moogambika Charitable and Educational Trust established in the year 1992 by our respected Chairman Sri A. C. Shanmugan, with the sole objective for starting institutions of higher education for exemplary stature to serve the people of Karnataka

### ABOUT DEPARTMENT

Civil Engineering department was started in the year 2009. The institution is affiliated to Visvesvaraya Technological University, Belgaum and is striving to grow as one of the finest centers to provide an academic atmosphere to develop overall personalities of students and a promise of exciting career. The Postgraduate program in Structural Engineering has been started from the academic year 2013-2014. Department of civil engineering is recognised as a VTU research center in the academic year 2015-2016.

### ABOUT WORKSHOP

Shake table is a basic testing facility for development of earthquake resistant techniques. This is a platform excited with hydraulic actuators to simulate different types of periodic and random motions, such as artificial earthquakes and other dynamic testing. This is the only experimental technique available for direct simulation of inertia forces, which can be used to simulate different types of motion such as recorded earthquake ground motions, sine sweeps, etc. Shake table tests results enhance further the understanding of the behavior of structures and calibration of various numerical tools used for analysis.

Chief Patron  
Sri. A. C. Shanmugan, Chairman, RRG

Co-Chief Patron  
Sri. A. C. Shanmugan, Vice Chairman, RRG

#### PATRONS

Sri. S. Vijayanand, ED, RRG  
Sri. S. Jayabalan, Special Officer, RRG  
Dr. T. R. Gopalakrishnan, Rector, RRG  
Sri. C. N. Seetaram, CEO, RRG  
Prof. M. S. Murali, Principal, ACSCE

#### CONVENER

Dr. Venkatesh Babu D. L., Prof. and HOD, Civil

#### PROGRAMME COORDINATOR

Dr. Naveenkumar D T, PG Coordinator

#### MEMBERS

Er Sunil R K, Adjunct Faculty, ACSCE  
Kavitha S. Assistant Professor,  
Tanuja M R, Assistant Professor,  
Umadevi R, Assistant Professor,  
Pranathi Reddy B, Assistant Professor,

#### WORKSHOP HIGHLIGHTS/OUTCOMES

- Expert guest lectures from industry and academia
- Demonstration of shake table experiments with different models at structural engineering lab ACSCE



ACS College of Engineering Bangalore -560074

Department of Civil Engineering



Report on  
One day workshop

*“Structural Dynamic Studies Using  
Shake Table and Scaled Building Models”*

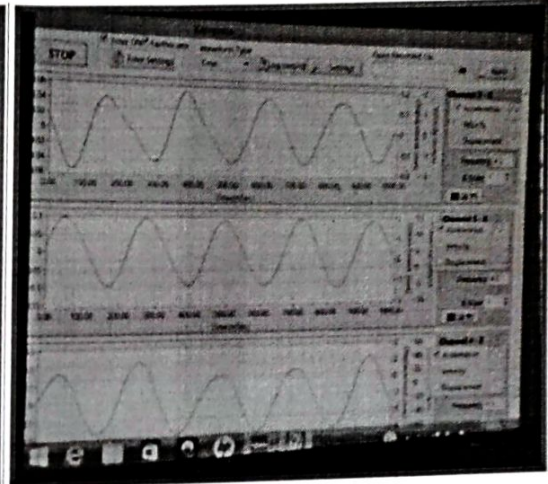
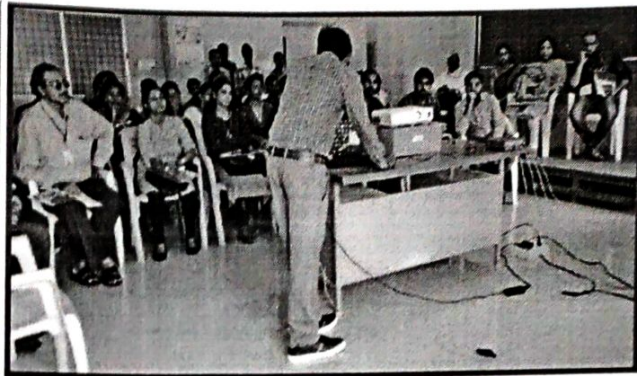
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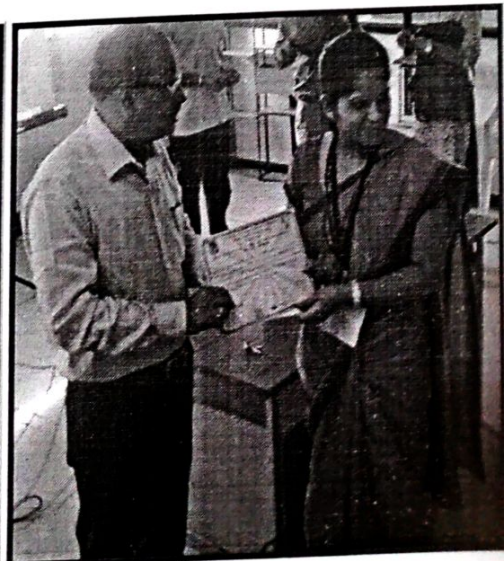
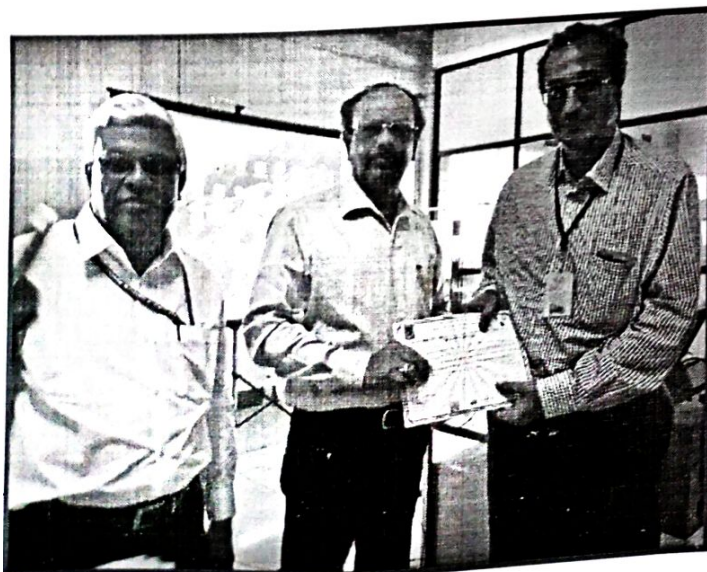
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HOD

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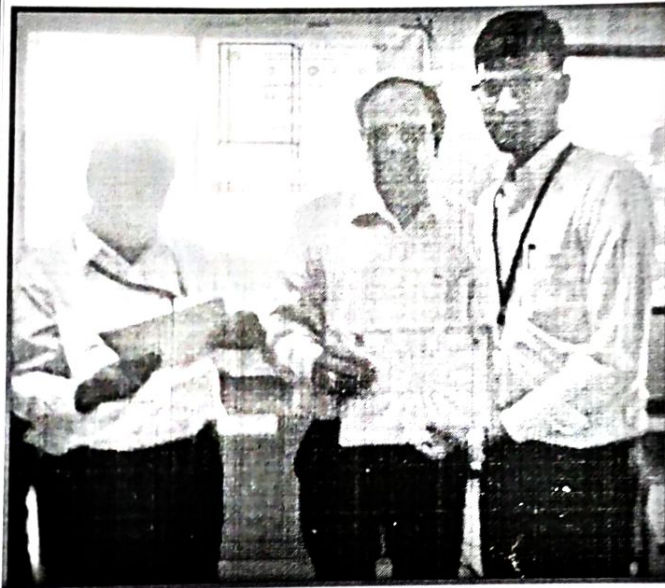
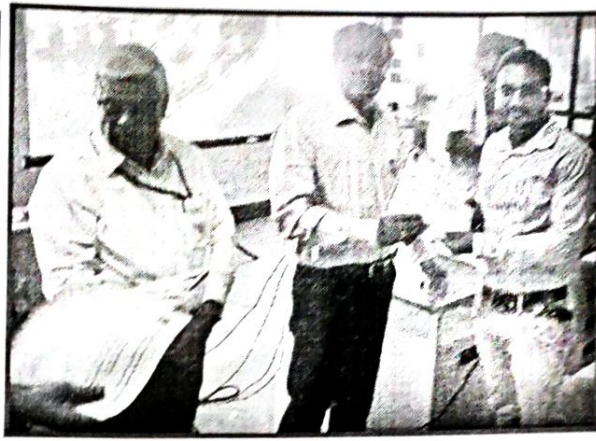


#### 4.0 Feedback and Distribution of Certificates

Mrs. Kavitha S. took the feedback from all the delegates. Finally participation certificates were distributed to all the participants by our vice-principal Prof. R.R. Elongovan.







**ACS COLLEGE OF ENGINEERING**  
# 207, Kambipura, Mysuru Road, Kengeri, Bangalore - 560074  
Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi

NAAC 'A' Accredited

DEPARTMENT OF CIVIL ENGINEERING

*Welcomes you all to*

ONE DAY WORKSHOP  
ON  
**STRUCTURAL DYNAMIC STUDIES USING SHAKE TABLE  
AND SCALED BUILDING MODELS**  
19th JULY, 2017

CHIEF GUEST  
**Prof. Ranganath Talanki**  
Faculty in Civil Engineering, Higher College of Technology, Muscat, Sultanate of Oman

3E-SERVICES

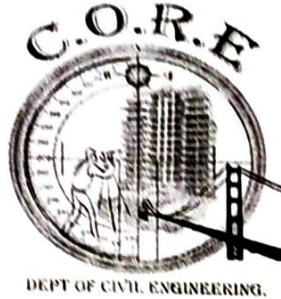
**In Association with M/s Millennium Technology Pvt. Ltd. & 3E-SERVICES, Bangalore**





**ACS**  
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Bangalore

**Department of Civil Engineering**



Cordially invites you to the

**Invited Technical Talk**  
On

***Water management conservation***

By

**Er. Mahesh Basavanna**

**Date:** 22/02/2017 (Wednesday) **Time:** 10:30 AM

**Venue:** Seminar Hall 2 (Second Floor)

**HOD, Faculty Members, Staff and Students**  
**Department of Civil Engineering**

# ACS College of Engineering

Kambipura, Mysuru Road, Bengaluru 560074

## Department of Civil Engineering

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To

DATE: 23/02/2017

The Principal

ACSCE, Bengaluru

Respected Sir,

**Subject: Report on the Technical Seminar delivered on 22/02/2017 at 10:00AM**

A one day technical lecture was delivered by Mahesh Basavanna on topic **Water management conservation**. The audience were 6th and 8th sem students.

The talk was about the activity of planning, developing, distributing and managing the optimum use of water resources and conveyed that it is a sub-set of water cycle management. It was well explained that, water resource management planning has regard to all the competing demands for water and seeks to allocate water on an equitable basis to satisfy all uses and demands.

The event was coordinated by Prof. Kumar Raju BC.

  
Coordinator

  
HOD (Civil)  
Dept. of Civil Engg.  
ACS College of Engineering  
Bangalore - 560 074.