K.S.R.M. COLLEGE OF ENGINEERING

(UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India– 516 003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

Date: **17.07.2021**

To

The Principal,
K.S.R.M.College of Engineering,
Kadapa.

Respected Sir,

Sub: KSRMCE - (Civil Engineering Department) Permission to conduct a Webinar on **"Webinar on Design Philosophy of Earth Quake Resistance Structure"** – Req –Reg.

It is being brought to your kind notice that, With reference to the cited, the Civil Engineering Department is planning to conduct a Webinar on **"Webinar on Design Philosophy of Earth Quake Resistance Structure"** for B.Tech Civil students on 19th July, 2021 in Online mode from 4.15 PM -5.15PM. In this regard I kindly request you to grant permission to conduct the webinar.

Thanking you Sir,

Yours Faithfully,

Ch. Santosh Kumar
Asst. prof in Civil dept.

Forwarded to principal Sir

Permitted
V.S.S.M.M/S
17/07/2021

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17-07-2021

Circular

All the B. Tech Civil students are here by informed that Department of Civil Engineering is going to conduct a Webinar on **"Design Philosophy of Earth Quake Resistance Structure"** on 19th July, 2021 in Online mode from 4.15 PM – 5.15 PM. Interested students may register their names with the coordinator.

Resource Person:

Dr. P.JAGADEESAN,
Professor,
Gurunanak Institution Technical Campus,
HYDERABAD

For any queries Contact,

Coordinators

Mr. Ch. Santosh Kumar, Assistant Professor in CED

HoD
Head
Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

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DEPARTMENT OF CIVIL ENGINEERING

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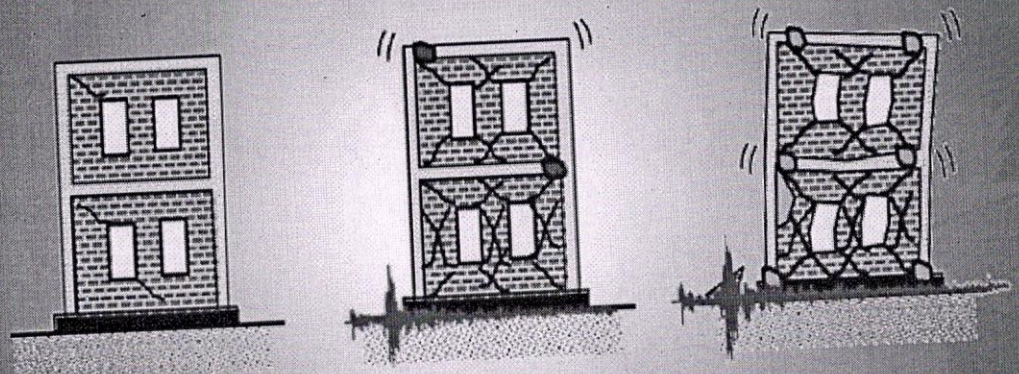
WEBINAR ON

Design philosophy of Earthquake Resistant Structures



SPEAKER

Dr. P. JAGADEESAN
B.E, M.E, Ph.D
Associate Professor,
Guru Nanak Institutions Technical Campus, Hyderabad.

DATE & TIME

19-07-2021, 04:15 pm to 05:15 pm

Coordinator : Sri. Ch. Santosh Kumar,
Assistant Professor,
Dept. of Civil Engineering, KSRMCE

ksrmceofficial

Dr. N. Amaranath Reddy	Dr. V.S.S. Murthy	Prof. A. Mohan	Sri. K. Chandra Obul Reddy	Smt K. Rajeswari	Sri K. Madan Mohan Reddy	Sri K. Raja Mohan Reddy
HoD	Principal	Director	Management Member	Correspondent, Secretary, Treasurer	Vice-Chairman	Chairman

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Kadapa, AndhraPradesh, India –516003

DEPARTMENT OF CIVIL ENGINEERING

Webinar on Design Philosophy of Earth Quake Resistance Structure

19th July 2021

REPORT

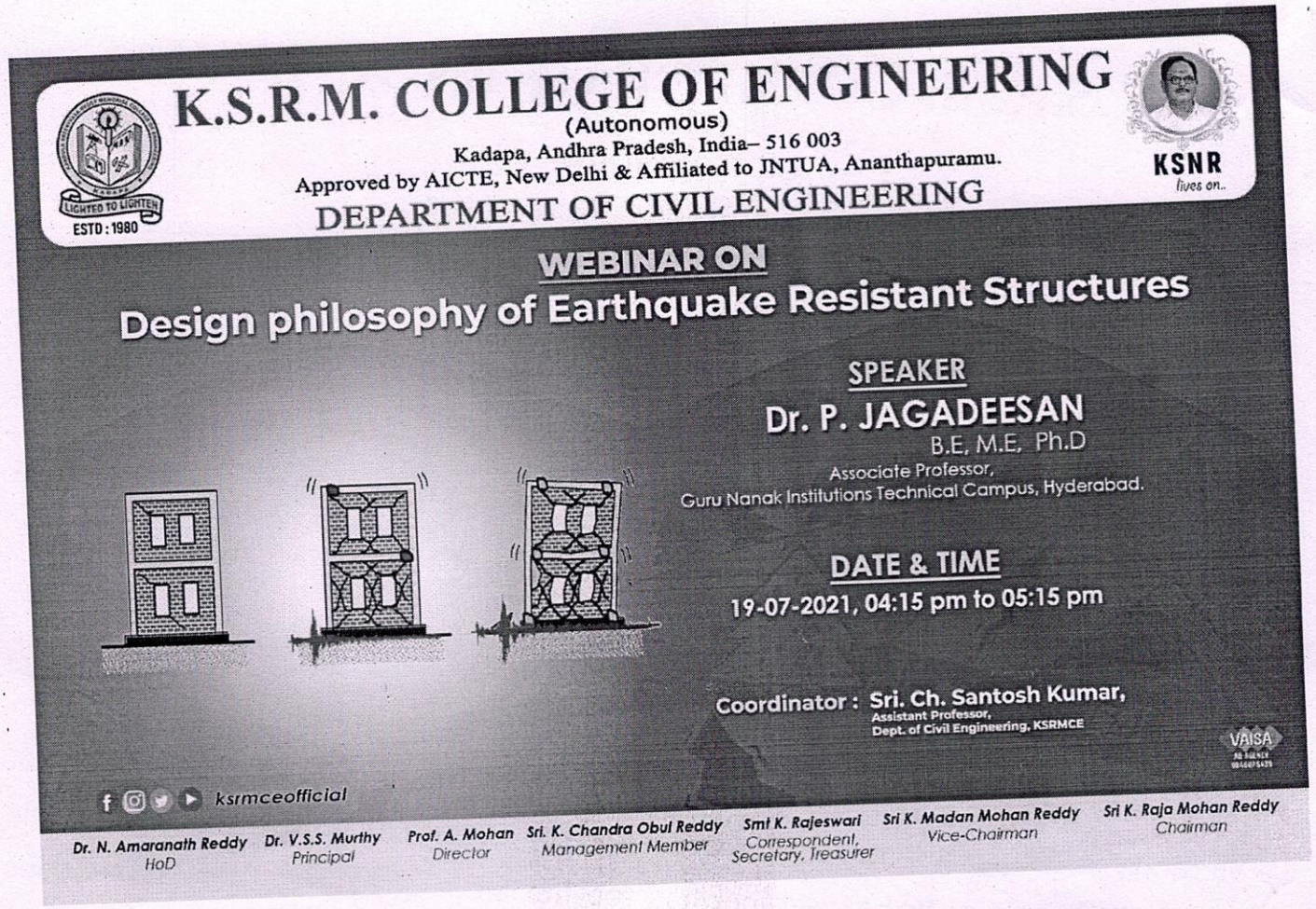
Speaker: Dr. P. JAGADEESAN, Professor in Gurunanak Institution Technical Campus.

Design Philosophy of Earth Quake Resistance Structure**:**

Earthquake-resistant structures absorb and dissipate seismically induced motion through a combination of means: damping decreases the amplitude of oscillations of a vibrating structure, while ductile materials (e.g., steel) can withstand considerable inelastic deformation. If a skyscraper has too flexible a structure, then tremendous swaying in its upper floors can develop during an earthquake. Care must be taken to provide built-in tolerance for some structural damage, resist lateral loading through stiffeners (diagonal sway bracing), and allow areas of the building to move somewhat independently.

The Concept of the Webinar:

Experience in past earthquakes has demonstrated that many common buildings and typical methods of construction lack basic resistance to earthquake forces. In most cases this resistance can be achieved by following simple, inexpensive principles of good building construction practice. Adherence to these simple rules will not prevent all damage in moderate or large earthquakes, but life threatening collapses should be prevented, and damage limited to repairable proportions.



Poster of the event: Webinar on Design Philosophy of Earth Quake Resistance Structure.

Zoom link:
https://us02web.zoom.us/j/82712093962?pwd=dHlwb1JpdzZFNG1qWkQ3OVVIcTJmUT09

About the Speaker:

Dr.P.JAGADEESAN, Professor in Gurunanak Institution Technical Campus, HYDERABAD. His Qualifications are B.E. (Civil Engineering), M.E. (Structural Engineering), Ph.D. in Civil Engineering.

He has 14+years of professional experience in Teaching, 6+ years of experience as Head of Civil Department, 1+ years of Professional Experience in Construction Industry. He published 10 papers in International and National Journals & Published 12 papers in International and National Level Conferences. He Worked as Consultant of Structural Design.

He Certified In Architectural CADD & Technically Strong in STAAD Pro and SAP 2000. And technically guided the students for Funding Project. He Initiated and organized various National Level Symposium, Conferences and Workshop. He was Life Membership in ISTE, IEI.

The Sequence of the Webinar

The Webinar was arranged by Department of Civil Engineering for the B.Tech V semester and VII semester Students and faculty of the department. The venue was organized thorough virtual mode using Zoom meeting pro application purchased by Department of Civil Engineering, KSRMCE. The webinar is conducted on 19th July, 2021 in Afternoon session from 4.15 pm to 5.15 PM, and the sessions were hosted by Dr. Amaranath Reddy (HoD), Sri. Ch. Santosh Kumar. A total of 71 students and the faculty members of Department of Civil Engineering were actively participated in the webinar.

Welcome speech:

Sri. Ch. Santosh Kumar (Coordinator of the event), Assistant Professor, Dept. of Civil Engineering, KSRMCE expressed a very warm welcome to the HoD, faculty and students of the Civil Engineering Department. The coordinator introduced the guest of honors to the gathering, the brief of their education and professional experiences was read for the audience.

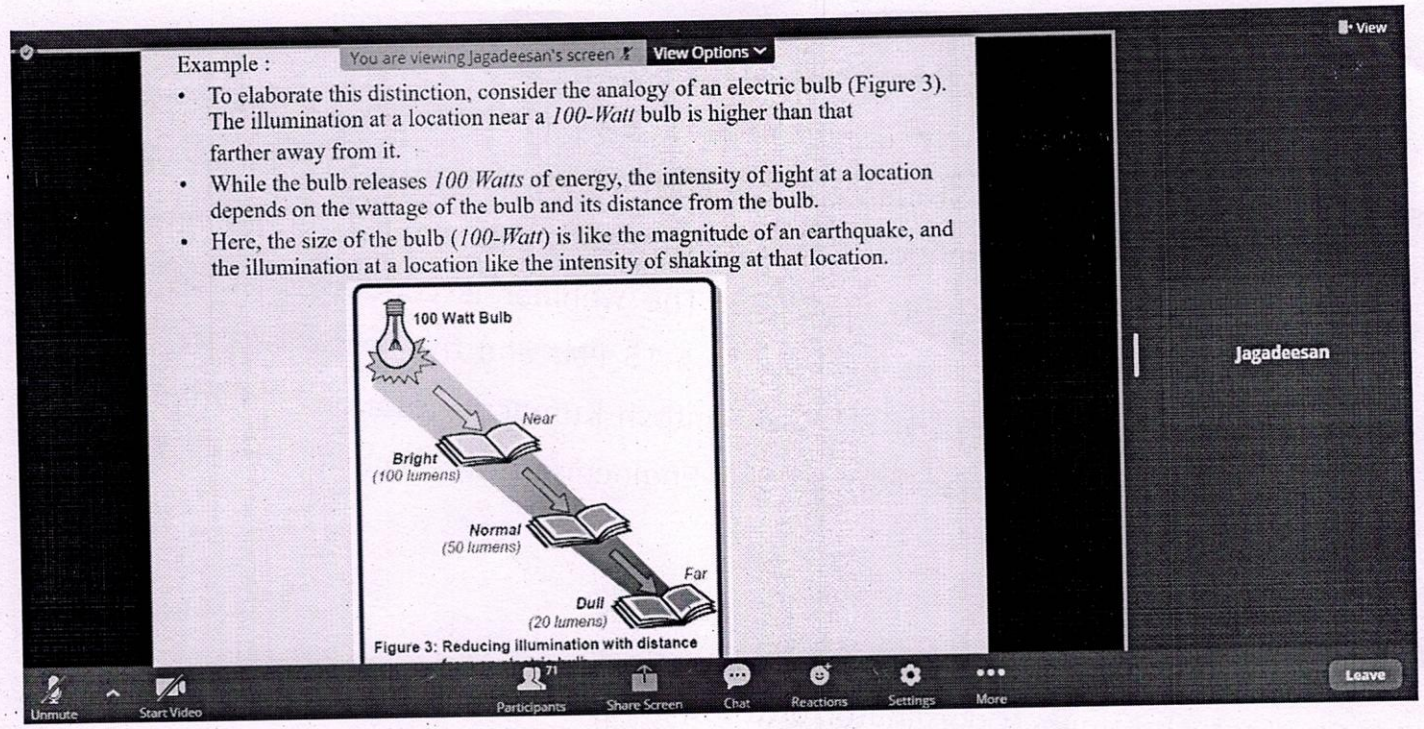
HoD's words:

Dr. N. Amaranath Reddy, HoD & Associate Professor of the Dept. of Civil Engineering, KSRMCE addressed the gathering by welcoming the Guest of Honors Dr.P.JAGADEESAN, to the event. HoD shared about the dedication towards work and capabilities of speakers as his students and how they evolved to stand in this position by continuous improvement.

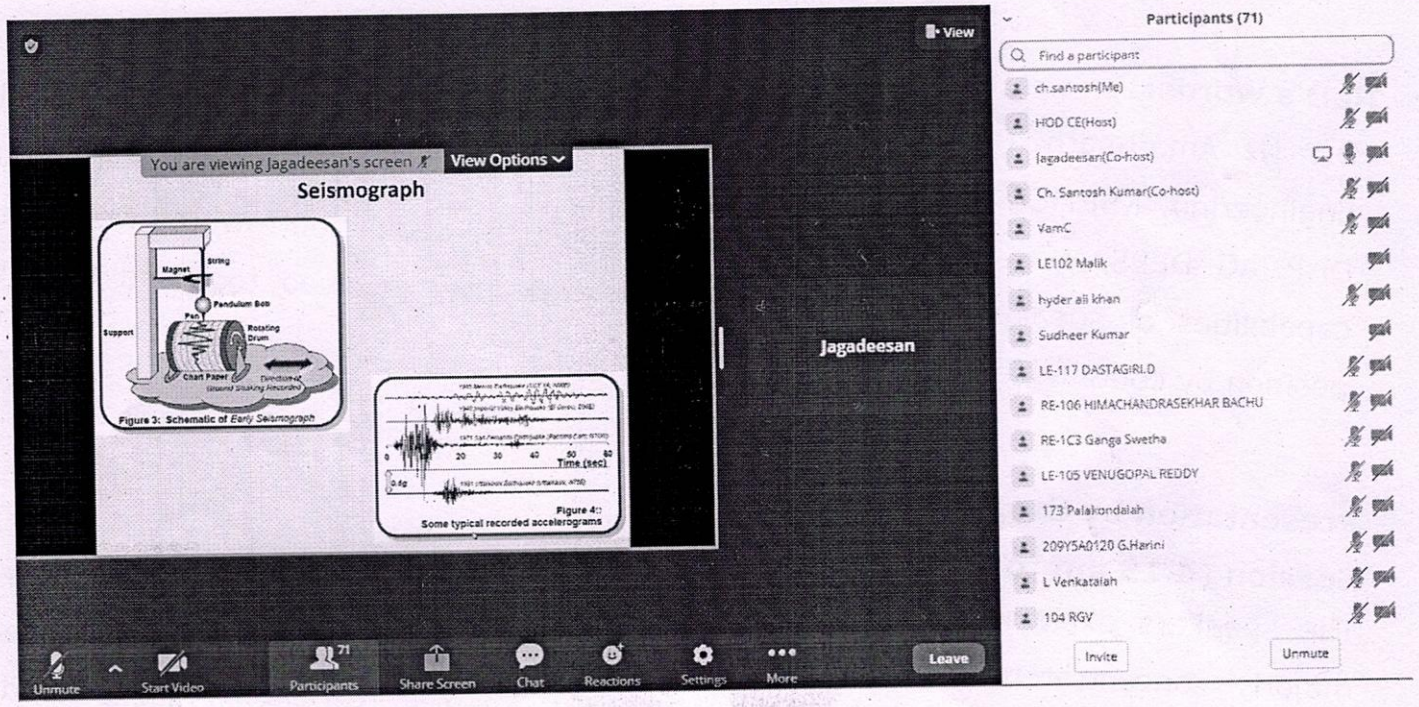
Presentation by the Guest:

Session (4.15 pm to 5.15PM, 19thJuly, 2021):

The speakers explained the one day plan of action of this webinar. Session is majorly concentrated on origin Design Philosophy of Earth Quake Resistance Structure. It covers the Earth Quake Resistance Structure. The speakers explained about Seismic Effect On structures. The session ended with the explanation "flow of seismic inertia through all structure components".



Presentation by speakers



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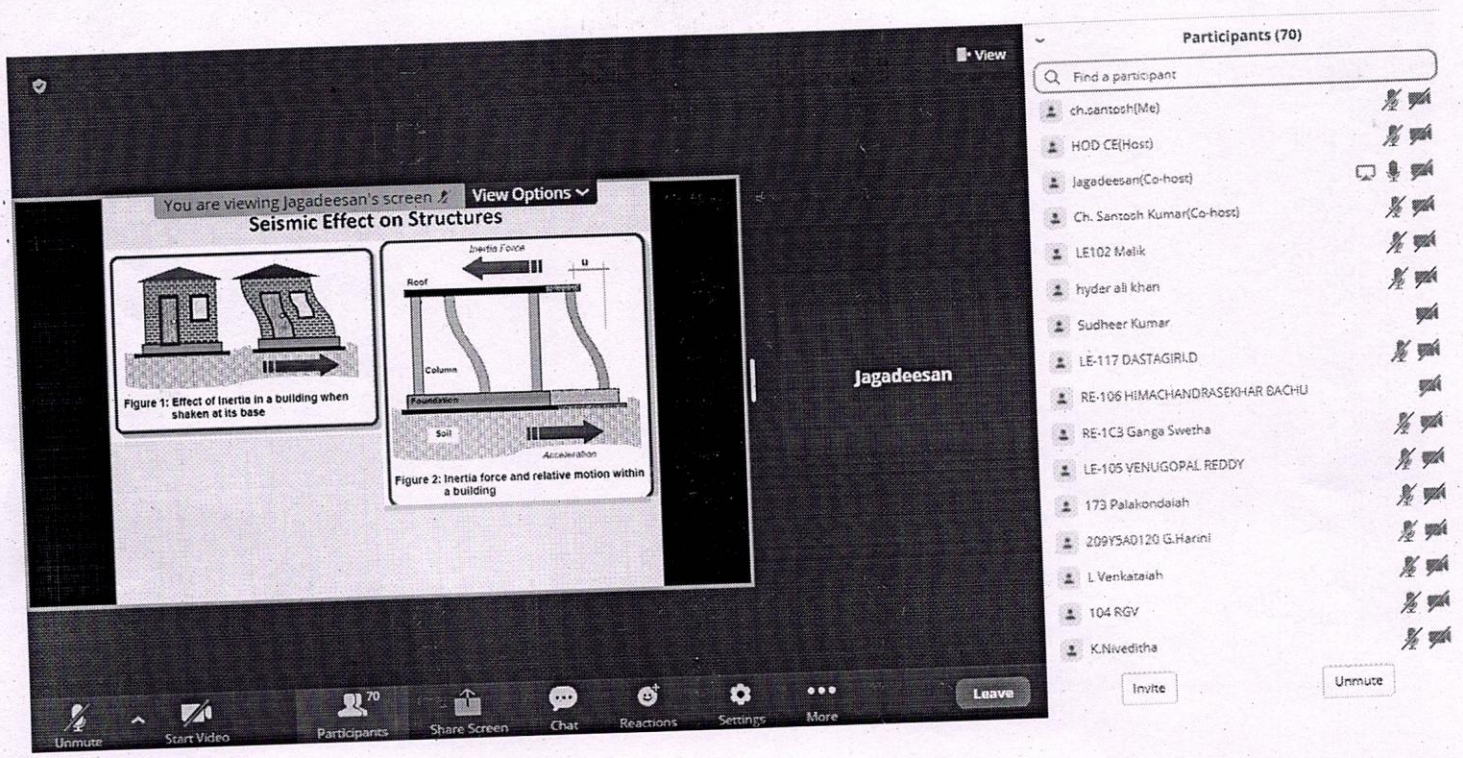
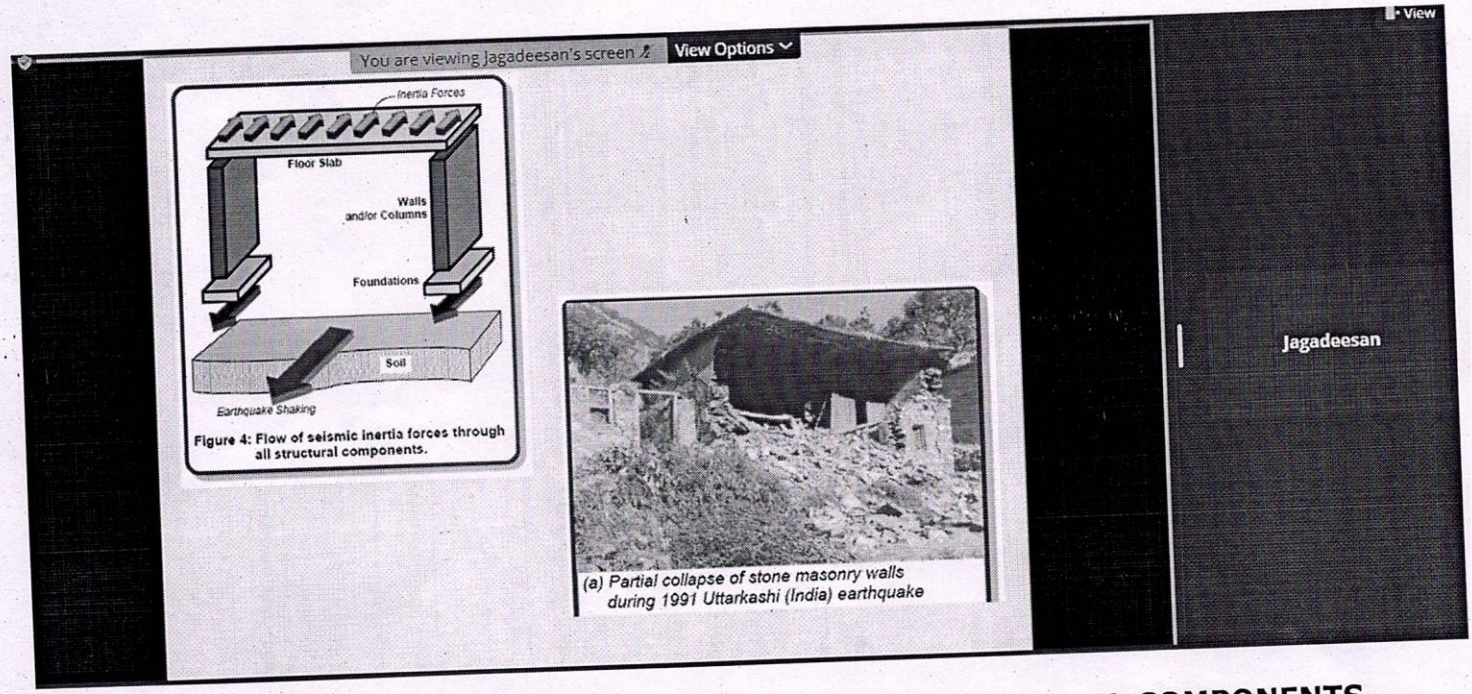
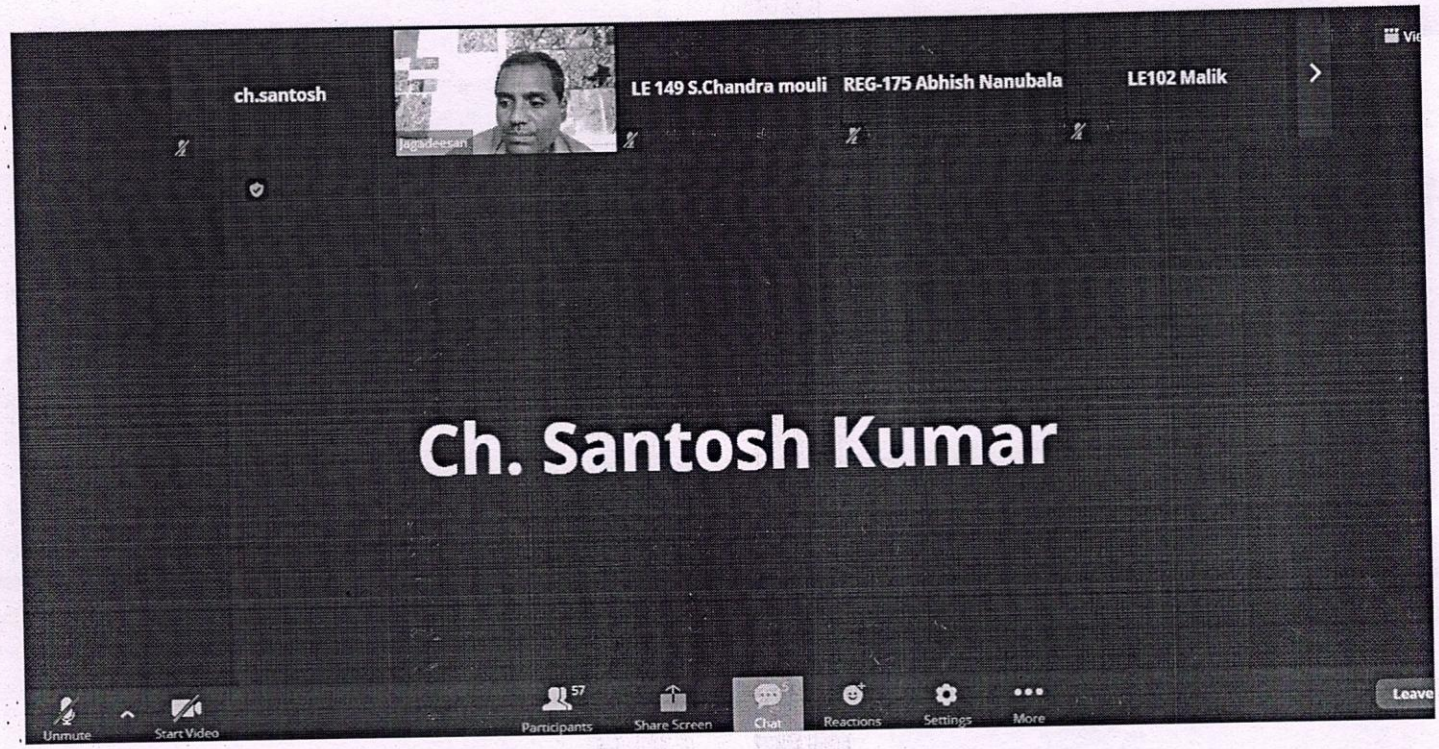


SEISMIC EFFECT ON STRUCTURE



FLOW OF SEISMIC INERTIA FORCES THROUGH ALL STRUCTURAL COMPONENTS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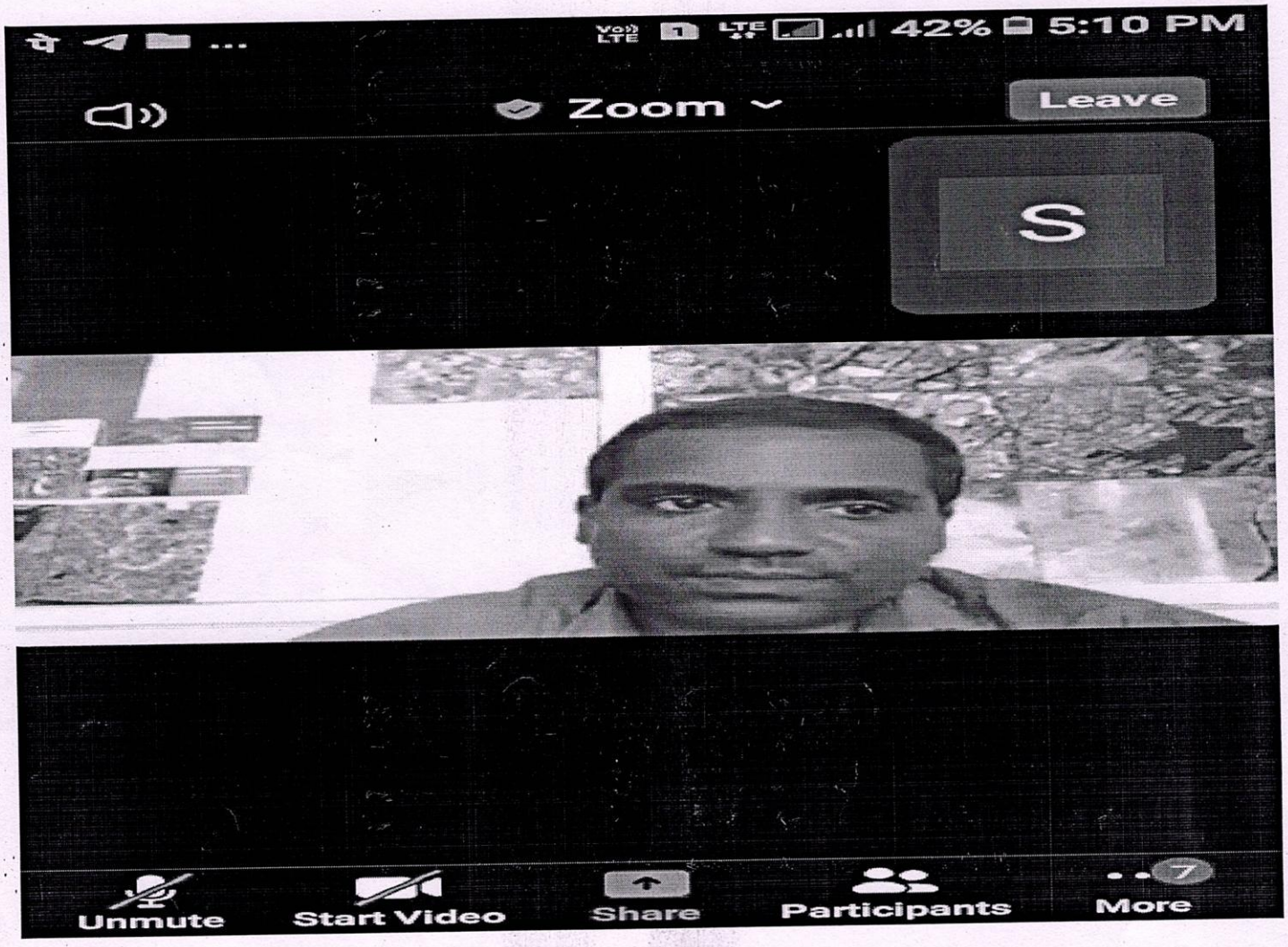
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HoD's words at end of the Event:

At the end of the webinar, Dr. N. Amaranath Reddy, HoD, Dept. of Civil Engineering, KSRMCE expressed his regard to the speakers for sharing his knowledge with the students. HoD whished the speakers to get a better position in future and also asked the speakers to present some more webinars to students of KSRMCE.

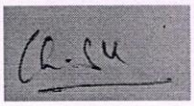
Vote of thanks:

Sri. Ch. Santosh Kumar (Coordinator of the event) delivered vote of thanks by thanking all the students & faculty members for their active participation, (Especially HoD sir) for providing zoom online platform to conduct such events and organization of KSRMCE for encouraging to conduct such events. A total of 71 members containing students and faculty of Department of Civil Engineering, KSRMCE participated in this event

Suggestion/ Comments about the webinar:

- Excellent Lecture
- Communication for good knowledge.
- It is very helpful for us, sir
- Thank you for giving lecture on Earthquakes..
- I would like to listen more webinars.
- Need to upgrade the online method.
- This webinar session is very useful to me thank you so much sir...for giving this pleasant webinar sir once again thanks a lot.
- Thank you sir for providing these kind of sessions please conduct more this kind of session's thank you sir.
- Thanks for explaining about earth quake sir. Still many of this webinar if you conduct is better to us sir.
- Make more live examples.
- Very good explanation.
- Excellent webinar class sir
- Good for students for learning

- IT'S HELP A LOT TO GAIN INFORMATION TO STUDENTS.
- Thank you for giving opportunity.
- Can u Show some videos & pie charts sir.



Ch. Santosh Kumar

Coordinator

Dr. N. Amaranath Reddy

(HoD, Civil Engineering.)

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Department of Civil Engineering

Name of the Event: Webinar on "Design Philosophy of Earth Quake Resistance Structure"

List of Participants

S.NO.	Roll No.	Name of the student	Branch	Signature
1	209Y1A0144	M. Saiteja Reddy	Civil	M. Saiteja Reddy
2	209Y1A0128	K. Eswar Sai	Civil	
3	209Y1A0133	K. Venkata Sampath	Civil	
4	209Y1A0134	K. Pavan Kumar Reddy	Civil	
5	209Y1A0135	K. Ganesh	Civil	
6	209Y1A0151	N. Ramadevi	Civil	
7	209Y1A0141	M. V. Thanuja	Civil	
8	209Y1A0137	H. Abhilash	Civil	
9	209Y1A0131	K. Praveen	Civil	
10	209Y1A0129	K. Vishnu Vardhan	Civil	
11	209Y1A0139	M. Vishnu	Civil	
12	209Y1A0130	K. S. Noor Mohammed	Civil	
13	209Y1A0148	M. Sreenath	Civil	
14	209Y1A0146	M. Rahul	Civil	
15	209Y1A0149	M. Narendra Naik	Civil	
16	209Y1A0142	M. Madhu Krishna	Civil	
17	209Y1A0143	M. Reddysai	Civil	
18	209Y1A0138	M. Suresh	Civil	
19	209Y1A0150	N. Saleem	Civil	
20	209Y1A0157	P. Siva Sai Kumar	Civil	
21	199Y1A0144	S. Sadamini	Civil	
22	199Y1A0143	R. Himabindu	Civil	
23	199Y1A0145	S. Pavan Kumar Reddy	Civil	
24	199Y1A0120	K. Keerthana	Civil	
25	199Y1A0102	B. Sampoorna	Civil	
26	199Y1A0127	M. Yabuvaporiya	Civil	
27	199Y1A0122	K. Raghavardhana	Civil	
28	199Y1A0106	C. Harithaa	Civil	
29	199Y1A0108	D. Anusha	Civil	
30	199Y1A0170	Y. Prathyusha	Civil	
31	199Y1A0118	K. Chaitanya	Civil	
32	199Y1A0101	B. Avinash	Civil	
33	209Y1A0144	M. Saiteja Reddy	Civil	
34	209Y1A0151	K. Ganesh	Civil	
35	209Y1A0135	M. V. Thanuja	Civil	
36	209Y1A0129	K. Vishnu Vardhan	Civil	

37	209Y5A0125	V. S. K. Jayanth	Civil	
38	209Y5A0139	S. Deepak	Civil	
39	209Y5A0182	V. Venkata ramana	Civil	
40	209Y1A0102	A. JYOSHIKA	Civil	
41	209Y1A0117	D. Amarnath.	Civil	
42	199Y1A0128	M. Naveen	Civil	
43	209Y1A0139	M. Vishnu	Civil	
44	209Y1A0129	K. Vishnu Vardhan	Civil	
45	209Y1A0117	D. Amarnath	Civil	
46	209Y1A0115	M. Subbarayudu	Civil	
47	209Y1A0107	Yashoda Hamsale	Civil	
48	209Y5A0129	K. Guru Vinod	Civil	
49	209Y5A0156	Y. Venugopal	Civil	
50	199Y1A0126	K. Kejiya	Civil	
51	199Y1A0101	B. Avinash	Civil	
52	209Y5A0101	A. Supraja	Civil	
53	199Y1A0118	K. Chaithanya	Civil	
54	209Y1A0108	B. Rahul Reddy	Civil	
55	209Y1A0147	M. Rahul	Civil	
56	199Y1A0116	J. Venkata Sai.	Civil	
57	209Y1A0131	K. Praveen	Civil	
58	199Y1A0122	K. Nagarathna	Civil	
59	209Y5A0124	G. Geeta Nandini	Civil	
60	209Y1A0148	M. Sreenath	Civil	
61	209Y1A0105	B. Guru Sarbitra	Civil	
62	209Y1A0112	J. Ganesh	Civil	
63	209Y1A0119	E. Sandhya	Civil	
64	209Y1A0113	C. Subhash	Civil	
65	209Y1A0115	C. Sravani	Civil	
66	209Y1A0104	A. Venkata Subbamma	Civil	
67	209Y1A0128	K. Gnaneswar Sai	Civil	
68	209Y1A0158	P. Lokanath	Civil	
69	209Y1A0107	K. Vijaykumar	Civil	
70	209Y1A0126	K. Sowrallu	Civil	
71	209Y1A0149	M. Narendra Naik	Civil	

Co-ordinator

HoD

Head
Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

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DEPARTMENT OF CIVIL ENGINEERING

Feedback Form

Your feedback is crucial to ensure we meet your educational needs. We would appreciate it if you could take a few minutes to share your opinions with us so we can serve you better.

Course Title : Webinar on Design philosophy of Earthquake Resistance structure.

Resource Person(s) : Dr. P. Jagadeesan

Date(s) of the course : 19 / July / 2021

Name of the Student : S. Pavan Kumar Reddy.

Roll No. : 19A91A0145

S. No.	Item Description	RATING (Please Tick the relevant)		
		LOW	**MODERATE**	**HIGH**
1	The content was Clear & Understandable			✓
2	The program was well-paced within the allotted time		✓	
3	The instructor was a good communicator			✓
4	The material was presented in an organized manner			✓
5	The instructor was knowledgeable about the topic		✓	
6	I would be interested in attending a follow-up, more advanced workshop on this same subject/any other			✓
7	Given the topic, was this workshop	Too Short	Right Length ✓	Too Long
8	In your opinion, was this workshop	Introductory	Intermediate	Advanced ✓
	Please Rate the following	**LOW**	**MODERATE**	**HIGH**
	a) Visuals		✓	
	b) Acoustics			✓
	c) Meeting space/Venue			✓
	d) Handouts			✓
	e) The Overall Program		✓	
9	What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?	NO		

Please return this form to the instructor or organizer at the end of the course. Thank you.

S. Pavan Kumar.

Signature of the Student