

CONFERENCES/WORKSHOPS/SEMINARS

- A BALAJI RAO , N LALITHA KUMARI & VISWANATH G conducted an AICTE sponsored 2-week online FDP (Faculty Development Programme) on “Seismic and Wind loads on buildings and applications of ETABS and ANSYS Fluent” was conducted by the Department of Civil Engineering during 14-12-2020 to 26-12-2020.

Lateral loads capacity of a moment resisting frame

Capacities of beams, columns and foundation

Rigidity of the joints

Rigid frame action

2:09:29 / 3:12:54

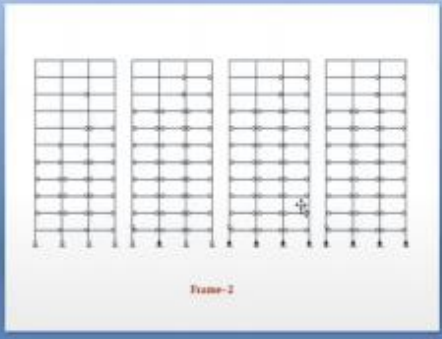
ESSENTIALLY DYNAMIC RESPONSE

Issues:

- ◆ Pressures, Load on Envelope
- ◆ Determination of Forces, Reactions
- ◆ Oscillatory Response, Accelerations
- ◆ Control of Building Vibration
- ◆ Reduction in forces
- ◆ Wind Environment near the base

2:09:29 / 3:12:54

Microsoft PowerPoint window showing a slide titled "Frame-2". The slide displays a structural grid diagram with four vertical columns and multiple horizontal levels. The diagram is labeled "Frame-2" at the bottom.



CIVIL HEAD

Zoom meeting window showing a slide titled "Provide sufficient lateral bracing and drift control". The slide compares two scenarios:

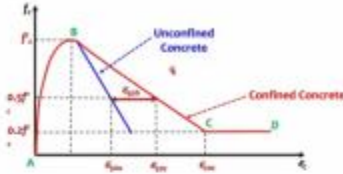
- Without drift control:** A photograph showing a collapsed building structure.
- Drift control using shear walls:** A photograph showing a tall, stable building structure.

Slide 23 of 155


Ramesh D

Material: Stress-Strain Behavior

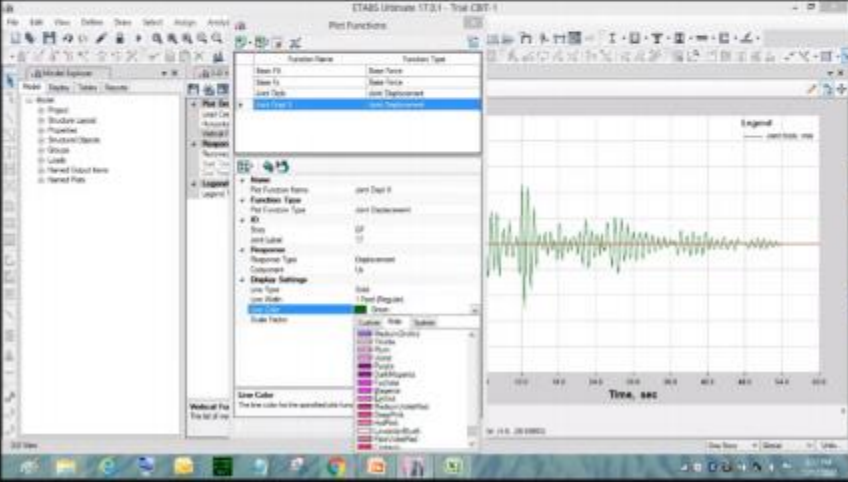
- Material Models
 - Concrete
 - Kent & Park Model




The graph illustrates the stress-strain behavior of concrete. The vertical axis represents stress (f_c) and the horizontal axis represents strain (ϵ_c). Two curves are shown: a blue curve for 'Unconfined Concrete' and a red curve for 'Confined Concrete'. The unconfined curve peaks at point B with stress f_c and strain ϵ_{cu} . The confined curve peaks at point C with stress $0.5f_c$ and strain ϵ_{cu} . Point A is the origin, and point D is the end of the strain range. The confined concrete shows a higher peak stress and a more ductile post-peak behavior compared to unconfined concrete.



Prashant Kumar Appurbaich

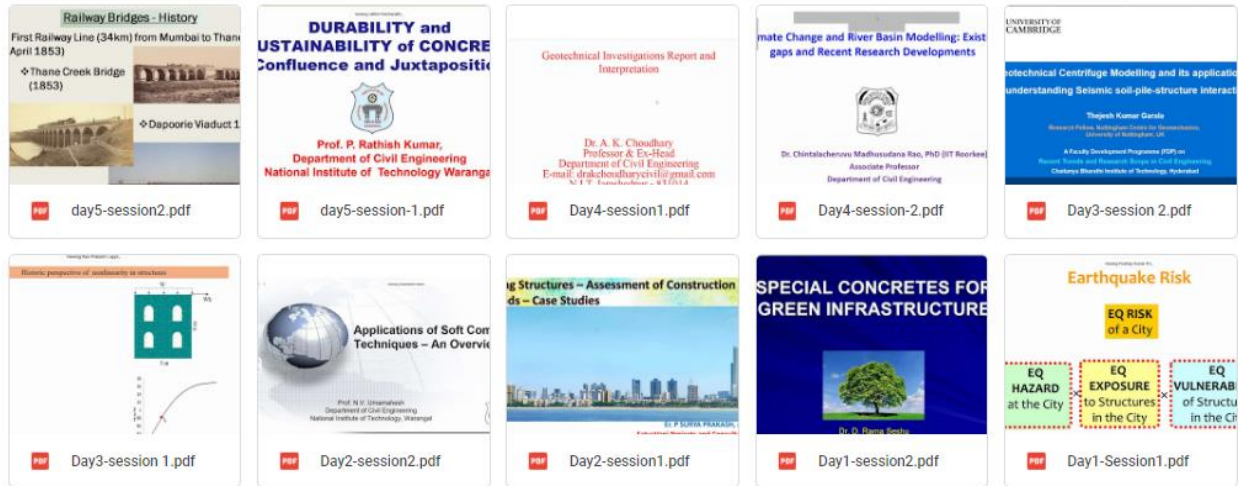


The screenshot shows the ETABS software interface. The main window displays a plot of a time series response, with the x-axis labeled 'Time, sec' ranging from 0.0 to 100.0. The plot shows a complex, oscillatory signal. The interface includes a menu bar, a toolbar, and a detailed 'Plot Functions' panel on the left. The 'Plot Functions' panel lists various functions such as 'Time', 'Time + Displacement', and 'Time + Rotation'. The 'Legend' panel on the right shows the color coding for different elements in the plot.

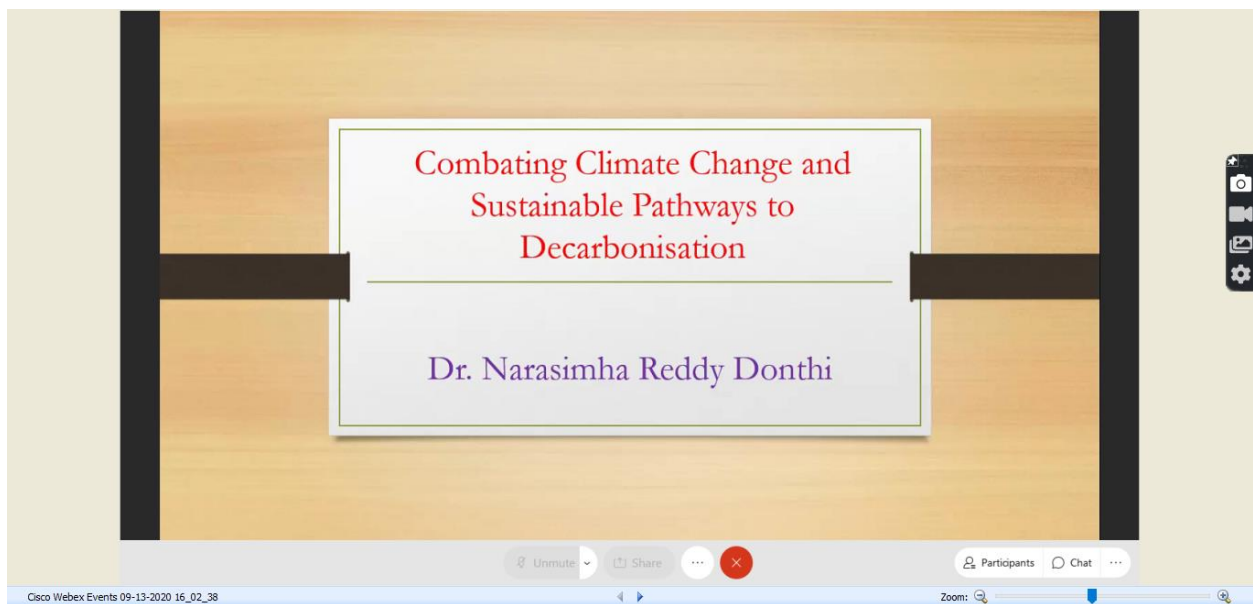


AWAED JELANI KHAN

- Dr. A. VIMALA ,VISWANATH G conducted a Webinar on "Building Information Modeling" on September 7, 2020 in association with BIMgraFX, Hyderabad. the lecture was delivered by Mr.ANIRUDH, Senior Engineer, BIMgraFX.
- P Yugendar & Dr. A. Vimala conducted FDP on Recent Trends and Research Scope in Civil Engineering, 06-07-2020 to 10-07-2020.



- Dr. A. Vimala, NR Dakshina Murthy, P Yugendar conducted a webinar series on SUSTAINABLE PRACTICES AND ADVANCEMENTS IN CIVIL ENGINEERING (SPACE – 2020) from 9th to 13th September 2020.



0:11:26 18:11

WORLD GREEN BUILDING COUNCIL

SUSTAINABLE DEVELOPMENT GOALS

Development that meets the needs of the present without compromising the ability of future generations to meet their own needs
(The Brundtland Commission, 1987)

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Unmute Share Participants Chat

1.Screenshot 09-11-2020 18_11_39

International Continuous Professional Development Online Series on
"Sustainable Practices and Advancements in Civil Engineering (SPACE2020)"
 09-13 September 2020
 Organized by CBIT Hyderabad and NAC Hyderabad

Sustainable Transportation for Cities

LuxCarta Delhi, India

Prof. CSRK Prasad
 Transportation Division
 Department of Civil Engineering
 National Institute of Technology, Warangal

13 September 2020 CSRK Prasad, NIT Warangal

Unmute Share Participants Chat

Cisco Webex Events 09-13-2020 18_03_29

- Dr.A.Vimala and Ramanarayan Sankriti conducted a Webinar on "REVIT STRUCTURES" on JULY 11, 2020 in association with CADD Center, Hyderabad, the lecture was delivered by Mr.Sai Charan,Senior Engineer, CANTER CADD India Private Limited.

The image shows a Zoom meeting window with four participants: SAI CHARAN, pyogender chul, vmanu Anithagan, and VIDWANATH GOPSE. The main content is a presentation slide for CANTER CADD. The slide has a blue background with a white central box containing a globe logo with red stars. Below the logo, the text reads "CANTER CADD" in a red-bordered box, followed by "ISO 9001:2015 Certified" and "Presented by: SAI CHARAN". The Windows taskbar at the bottom shows the time as 11:08 AM on 11/01/2020.