



## ASSOCIATE DEAN STUDENT AFFAIRS OFFICE

GRIET/6C/G/21-22

### EVENT SUMMARY REPORT

<b>Department</b>		<b>Civil Engineering</b>				
Professional Body	Institutional Body	<b>IEI</b>				
<b>Nature of the Event</b> (Workshop / Seminar / Guest Lecture / Tech Talk/ GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Co & Extracurricular Activities)		<b>Guest Lecture</b>				
<b>Title / Theme of the Event</b>		<b>Earthquake Safety of RC Tall Buildings in India- IS 16700 Provision</b>				
<b>Details of the Coordinator/Resource Person</b>		Mrs. I. Chandana Assistant professor IEI Advisor				
<b>Dates on which Event is held</b>		From	To	No. of Days		
		04/9/2021	04/09/2021	1		
<b>Details of the Speaker / Guest Name, Organization</b>		Prof Pradeep Kumar Ramancharla Registrar IIIT Hyderabad				
<b>Participants</b> (Teaching Faculty / Non-Teaching Faculty / Students)		No. of Faculty	No. of UG students	No. of Online Students	No. of outside participants	Total Participants
		28	67	121	-	216
<b>Summary of the Event</b>		<p>Due to rapid urbanization and development many tall buildings are coming up. About 56% of India's land mass is prone to moderate to severe earthquake events. Construction of tall buildings with discontinuous vertical elements, such as column and structural walls are quite common in India.</p> <p>Design of high-rise building is not as same as the low-rise buildings and mid-rise. Bureau of Indian standards has come up with special code IS 16700[1] which gives provisions of this code for tall buildings sufficient experience and expertise is required. Three-dimensional finite element model of. The Indian tall building code it's better to go for two different moments of Inertia of structural element for factored loads and unfactored loads. As per Is 16700 code the maximum height as per the code is 250m based on different structural systems.</p> <p>Height size           - 150m Moderate size       - 220m Low size               - 250m</p> <p>Depending on the height, zone and structural analysis slenderness ratio is allowed up to 10.Finally, the building with a transfer slab found to be</p>				

inappropriate for seismically active regions.

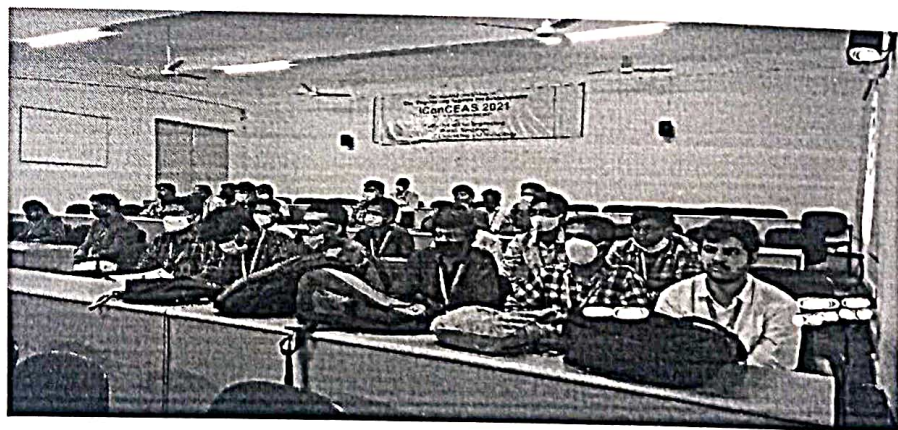
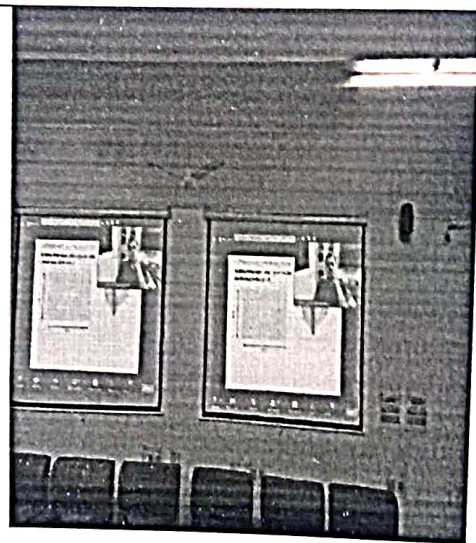
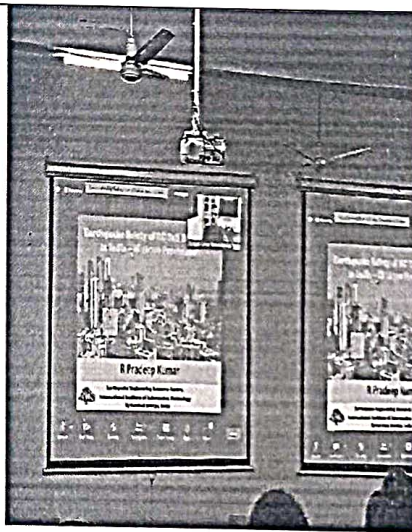
(in rupees)  
Expenditure (in  
rupees)

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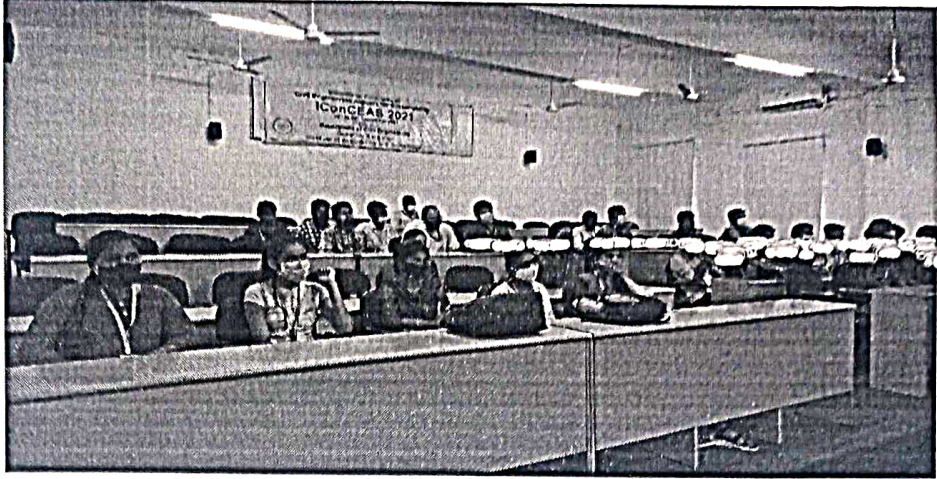
**POs attained with this  
Event**  
(number and description)

- a. Apply knowledge of mathematics, science and fundamentals of Civil Engineering.
- b. Analyze problem and interpret the data
- c. Design a system component, or process to meet desired needs in Civil Engineering within realistic constraints.
- d. Identify, formulate, analyses and interpret data to solve Civil Engineering problems.
- f. Understand the impact of engineering solutions in a global, economic and societal context.
- g. Understand the effect of Civil Engineering solutions on environment and to demonstrate the need for sustainable development

**Photographs of the  
event**  
(Hard copy and Soft copy)





	
<b>Proofs:</b> 1.Certificates copies 2.Profile of Speaker 3.PPT/Material as applicable.etc.,	

*J. chanda*  
16/9/21  
Signature of Coordinator

*V. Kallu*  
16/9/2021  
Signature of HOD