





### Department of Civil Engineering Indian Institute of Technology Kanpur Kanpur-208016

for Masters Students from Engineering Colleges across India at IIT Kanpur during 23-28 August 2004

### **Brief Report**

A week long (23-28 August 2004) Earthquake Engineering Review Workshop for Masters' students from engineering colleges across the country was inaugurated by Professor Kripa Shanker, Deputy Director, IIT Kanpur. This workshop was conducted at the National Information Centre of Earthquake Engineering (NICEE) at IIT Kanpur.

Seventy three Masters' students from 33 engineering colleges from different sates participated in this workshop. The workshop aims at providing earthquake engineering related materials to the participating students to help them to carry out quality research work in the area of earthquake engineering at their colleges. Professor Sudhir K. Jain informed the participants about the various NICEE and NPEEE activities being conducted by IIT Kanpur and relevance of such workshops in the national context. He insists on quality research work rather than quantity of research work in the area of earthquake engineering. Professor C.V.R. Murty of Civil Engineering Department welcome the participants and informed about importance of information dissemination by the NICEE. Professor Bithin Datta, Head Civil Engineering Department, IIT Kanpur briefed the participants about the ongoing activities at the civil engineering department and it's role in the national capacity building in the area of earthquake engineering. Dr. K.K. Bajpai, the wokshop Coordinator placed the vote of thanks and informed about the overwhelming response from all over India.

During the workshop, the participants had discussions with faculty members of IIT Kanpur who specialize in earthquake engineering. Visits to the state-of-the art Forced Vibration Test Facility, Structural Engineering Laboratory and video shows on past great earthquakes (copy of workshop schedule is enclosed) organized during the workshop. Demonstration of computer models was made by Mr. Hemant B. Kaushik (Ph.D. Scholar at IIT Kanpur). An earthquake engineering quiz was also organized by Mr. Hemant B. Kaushik and Mr. Ashish Narayan (Project Associate at IIT Kanpur). The quiz contained the questions starting from basic concepts of earthquakes to analysis and earthquake resistance design, current codes, etc. The participants were provided some basic study material like earthquake tips, list of journals and books in the earthquake engineering, tips about selection of thesis topic and thesis writing etc. The participants Xeroxed more than 80,000 pages of technical literature from the collections available at NICEE.







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## **Workshop Schedule**

*Literature Survey all through except during the following hours:* 

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Date 12004	Time	Activity (Venue: Pioneer Batch Continuing Education Center)			
23 August 2004	8:30 am	Registration			
(Monday)	9:30am	Inauguration			
	11:00am	Introduction of Participants			
	11:30am	Discussions with Professor Sudhir K. Jain			
	2 pm	Visit to NICEE Library and getting library passes			
24 August 2004	9am	Earthquakes: How they Happen!!			
(Tuesday)		Discussions with Professor C.V.R. Murty			
	2pm	Video Shows on			
	-	1. The Day the Earth Shook			
		(Discovery Communications, Inc., USA)			
		2. Unlocking the Mysteries of Bay Area Earthquake Faults			
		(United States Geological Survey)			
		3. Seismic Design of Bridges			
		(Public Works Research Institute (PWRI), Japan)			
25 August 2004	9am	Computer Models			
(Wednesday)		Hemant B. Kaushik, Ph.D. Scholar			
	2pm	Visit to the Structural Engineering Laboratory			
	1	Discussions with Dr. K. K. Bajpai			
26 August 2004	9am	Seismic Behaviour of Masonry Structures Discussions with Professor Durgesh C. Rai			
(Thursday)					
	2pm	Video Shows on			
	1	1. Great Quakes:: San Fransisco			
		(Discovery Communications, Inc., USA.)			
		2. The Hidden Earth			
		(National Academy of Sciences, USA)			
27 August 2004	9am	Earthquake Engineering Quiz			
(Friday)		(Hemant B. Kaushik and Ashish Narayan)			
<i>\                                    </i>	2pm	Video Shows on			
	1	1. Great Quakes:: Mexico City			
		(Discovery Communications, Inc., USA)			
		2. Raging Planet :: Earthquake			
		(Discovery Communications, Inc., USA)			
		3. Build a Safer Tomorrow (BMPTC, New Delhi)			
28 August 2004	9am	Reimbursement of Travel Expenditure			
(Saturday)	3pm	Closing Ceremony			







# Farthquake Engineering Review Workshop for Masters Students from Engineering Colleges across India at IIT Kanpur during 23-28 August 2004

## **List of Participants**

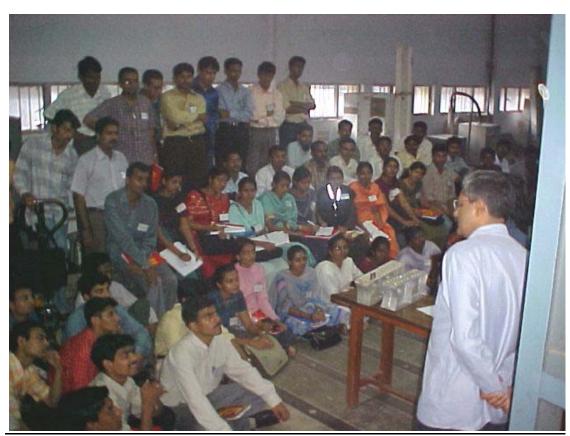
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Group Photograph of the participants at the inauguration



Visit of participants to Structural Engineering Laboratory