

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA



DEPARTMENT OF CIVIL ENGINEERING FDP On

'Earthquake Resistant Design of Concrete & Steel Moment Resisting frame Buildings' Session_2019-20



A

Post Detail Report of

TEQIP-III RTU (ATU) SPONSORED

Five Days FDP

On

"Earthquake Resistant Design of Concrete & Steel Moment Resisting frame Buildings"

September 21-25, 2020

Coordinated by

Mr. Divya Vishnoi

Ms. Supriya Bansal

Organized by



Department of Civil Engineering

Poornima College of Engineering

Jaipur, Rajasthan- (India)

&

Rajasthan Technical University, Kota

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1. FDP BROCHURE

PCE ORGANIZING COMMITTEE

Mr. Pankai Dhemla Vice-Principal, PCE Dr. Rekha Nair Dean LYear, PCF Assistant Professor & HOD, PCE Mr. Balwan Seshma Dr. Harshwardhan Singh Chouhan Associate Professor, PCE Dr. Shilpi Jain Associate Professor, PCE Mr. Arpit Singh Bhadoriya Assistant Professor, PCE Mr. Lokesh Kumar Prajapat Assistant Professor, PCE Mr. Rahul Khandelwal Assistant Professor, PCE Mr. Dinesh Sharma Assistant Professor, PCE Mr. Rituraj Singh Rathore Assistant Professor, PCE Mr. Jitendra Kumar Assistant Professor, PCE Mr. Vikas Sharma Assistant Professor, PCE Mr. Vishal Chourasiva Assistant Professor, PCE

RESOURCE PERSONS

The resource person for the FDP will be eminent professors and experts in the area of Earthquake Resistant and Construction from Iffs, NITs and other esteemed institutions.

ELIGIBILITY

This course is open to all the Faculty Members of ACTE Approved Institutions, Research Scholars, and Persons working in R&D organizations or Industry. Number of participants for FDP is limited. All the sessions will be conducted ordine only.

IMPORTANT DATES

Last date of recipient of application Intimation of selection by mail FDP duration September 15, 2020 September 16, 2020 September 21-25, 2020



REGISTRATION AND FEE PARTICULARS

- There is no registration fee for faculty from AICTE approved Institutions, Participants from Industry, and Research Scholars.
- Registration for the program may be done by filling the Registration Form online, Reg. Link: https://tinyurl.com/yxck6sex



CORRESPONDENCE

Prof. (Dr.) A.K. Dwivedi

Event Coordinator (RTU)

■: akdrtu@gmail.com • Ø: +91-9414260887

Mr. Divya Vishnoi

 $\label{eq:event_coordinator} \begin{tabular}{ll} Event Coordinator (PCE) \\ @: divya.vishnoi@poomima.org * <math>O$: +91-8440845083

Ms. Supriya Bansal

 $\begin{tabular}{ll} Event Coordinator (PCE) \\ \hline $\otimes:$ supriya.bansal@poornima.org * $\mathcal{O}:$ +91-8432947266 \\ \end{tabular}$

Venue

Department of Civil Engineering Poomima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur, Rajasthan 302022 www.pce.poornima.org





TEQIP-III SPONSORED

Faculty Development Program

on

Earthquake Resistant Design of Concrete & Steel Moment Resisting frame Buildings

September 21-25, 2020



Organized by

Rajasthan Technical University, Kota &

Department of Civil Engineering



Affiliated to RTU, Kota - Approved by AICTE & UGC under 2(f) - Accredited by NBA

ABOUT TEQIP-III

The Project, third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelfth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with aspecial consideration for Low Income States and Special Category States and support to strengthen few affiliated technical universities to improvertheir policy, academic and management practices.

RAJASTHAN TECHNICAL UNIVERSITY

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan. It was established in 2006 by the Government of Rajasthan. The University currently affiliates about 129 Engineering Colleges, 4 B.Arch., 41 MCA Colleges, 95 MBA Colleges, 44 M.Tech. Colleges and 3 Hotel Management and Catering Institutes. The University aims to provide quality technical education which may help Rajasthan in its technical development and will boost technical environment in the country.

POORNIMA COLLEGE OF ENGINEERING

Poomima College of Engineering (PCE), established as a brand of technical education in the year 2000, has its own glorious legacy of leading the young engineers to the mammoth sky of success. Its

accomplishments forecast its journey through the hardships and its triumph over themone after another. PCE left no stone unturned since its establishment in turning the glorious vision into unbelievable reality providing the platform for



knowledge and research and their practical implementations in different engineering professional prospects. Glorious glimpses of PCE:

- Highly recognized and renowned affiliated technical institution all over Rajasthan with builtup area more than 3.5 lacs square feet
- . Affiliated to RTU, Kota & approved by AICTE, New Delhi
- The most preferred NBA Accredited Engineering College with running of six specializations of Engineering at UG Level (CSE, ECE, EE, ME, IT, CIV) and two at PG level (CS &VLSI)
- The only institution permitted by RTU to admit FN/PIO/Gulf students & designated as centre of excellence by IBM

DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering Department of PCE came into existence in the year 2011 with an alignment of the department's evolution with key events and technological advances for the betterment of the society and nation. At present, it has the intake of 60 students providing all the amenities of intrastructure related to knowledge, research, experiments and training of multiple professions. Poomima College of Engineering believes that Civil Engineering is an evergreen branch in the engineering profession. Therefore, the Department of Civil Engineering has renowned scholars as the faculty members for sharing the knowledge. It has been taking initiatives for the versatile enhancement of the students through the technical, cultural and sports fests since its inception.

ABOUT FACULTY DEVELOPMENT PROGRAM

A Five days Faculty Development Programme shall be organized for faculty members from different Engineering colleges across India from 21th – 25th September, 2020. Experts, across the country shall deliver the lectures on demand for understanding and exposure to earthquake engineering in design and practice of Concrete and Steel structures. These members have been contributing significantly to the improvement of the quality of Civil Engineering education. The main focus of the FDP will be on providing comprehensive knowledge about fundamental of structural dynamics, relevant to earthquake resistant structure design. Faculty will introduce about recent techniques and methods to analyse and design of Steel and Concrete for earthquake resistant frame buildings.

OBJECTIVES OF THE FDP

- To make the faculty learn about behaviour of concrete and steel structure during earthquake.
- To introduce the provision of designs and ductile detailing of structures with reference to Indian standards.
- To motivate and develop conflidence on use of recent techniques and methods to analyse and design of Steel and Concrete for earthquake resistant frame buildings.

COURSE MODULES

- · Seismic resistant design philosophy choice of form and material
- Design for seismic loads displacement and curvature ductility requirements, Ductility demand of frames using static collapse mechanism and dynamic analysis
- Response spectra, elastic and inelastic spectra for MDOF structures

- · Variation of ductility demand over height of multistory building
- Concept of soft storey, Detailing of reinforcement for specific ductility demand and Effect of confinement
- BIS code based design procedures for analysis, design and ductile detailing of buildings
- Overview of Earthquake Resistant Design of Steel MRF Buildings
- Design and Detailing of Steel MRF Buildings for Earthquake Effects asper IS 800: 2007
- . Design of a Steel MRF Building as per Current Code
- Draft Provisions for Earthquake Resistant Design of Concrete and Steel

FDP COMMITTEE

CHIEF PATRON

Prof. (Dr.) R. A. Gupta Hon'ble Vice Chancellor, RTU Kota

PATRON

Dr. Mahesh M. Bundele

Principal & Director, Poornima College of Engineering

RTU EVENT COORDINATOR

Prof. (Dr.) A.K. Dwivedi (RTU, Kota)

RTU (ATU) TEQIP-III COORDINATOR

Prof. (Dr.) Dhirendra Mathur

RTU (ATU) TEQIP-III COMMITTEE

 Dr. Harish Sharma
 Nodal Officer

 Prof. D. K. Sambariya
 Nodal Officer Procurement)

 Dr. S. D. Purohit
 Nodal Officer Finance

 Dr. Irum Alvi
 Conference

 Mr. Santosh Sharma
 Expert Lecture

 Mr. Anshul Bansal
 GATE & Induction

 Mr. Dinesh Kumar
 Workshop

HOST INSTITUTE COORDINATORS

Mr. Divya Vishnoi Assistant Professor Ms. Supriya Bansal Assistant Professor

2. PROGRAMME OUTLINE



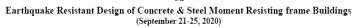
RAJASTHAN TECHNICAL UNIVERSITY, KOTA

(Poornima College of Engineering, Jaipur)

TEQIP-III RTU (ATU) SPONSORED







SCHEDULE OF ONLINE FDP

	DAY-1 (Monday, September 21, 2020)	
09:45 AM - 10:20 AM	Inauguration Function of FDP Prof. (Dr.) R.A. Gupta, Hon'ble Vice Chancellor, RTU Kota (Chief Guest) Prof. (Dr.) Dhirendra Mathur, RTU (ATU) TEQIP-III Coordinator (Guest of Honour) Prof. (Dr.) O.P. Chhangani, Hon'ble Vice Chancellor, Apex University (Guest of Honour) Prof. (Dr.) A.K. Dwivedi, RTU Event Coordinator Ar. Rahul Singhi, Director Poornima Group Dr. Mahesh Bundele, Director & Principal, Poornima College of Engineering, Jaipur Mr. Pankaj Dhemla, Vice Principal, Poornima College of Engineering, Jaipur Mr. Balwan Sheshma, HOD,CE, Poornima College of Engineering	
10:30AM - 12:00 PM	Session-I Topic: Seismic Resistant Design Philosophy – Choice of Form and Material Resource Person: Prof.(Dr.) O.P. Chhangani , Hon'ble Vice Chancellor, Apex University	
12:00 PM- 1:30 PM	LUNCH BREAK	
1:30 PM- 3:00 PM	Session-II Topic: Evaluation of Seismic Forces and Seismic Analysis Methods Resource Person: Prof. (Dr.) Suhasini N. Madhekar, Professor, College of Engineering, Pune	

DAY-4 (Thursday, September 24, 2020)						
10:30 AM - 12:00 PM	Session-VII Topic: BIS Code Based Design Procedures for Analysis, Design and Ductile Detailing of buildings. Resource Person: Dr. Rama Shanker, Associate Professor, MNNIT Allahabad					
12:00 PM- 3:30 PM	LUNCH BREAK					
3:30 PM- 5:00 PM	Session-VIII Topic: Design and Detailing of Steel MRF Buildings for Earthquake Effects as per IS 800: 2007 Resource Person: Dr. Anupam Rawat, Assistant Professor, MNNIT Allahabad					

DAY-5 (Friday, September 25, 2020)					
	Session-IX				
10:30 AM - 12:00 PM	Topic: Seismic Vibration Control of Tall Building				
	Resource Person: Prof.(Dr.) B.P. Suneja, Dean Academics, RTU Kota				
12:00 PM- 1:30 PM	LUNCH BREAK				
	Session-X				
1:30 PM- 3:00 PM	Topic: Seismic Resistant Analysis of Berthing Structures Including Soil Structure Interaction				
	Resource Person: Dr. Seeram Madhuri, Assistant Professor, NIT Jamshedpur				
3:00 PM - 3:30 PM	Valedictory Session and Vote of thanks				
3:30 PM - 4:00 PM	Assessment Quiz				

Prof. (Dr.) A.K. Dwivedi RTU Coordinator Mr. Divya Vishnoi Host Institute Coordinator Ms. Supriya Bansal Host Institute Coordinator Dr. Mahesh Bundele Head of Institute

3. EXPERT DETAILS

Dr. O.P. Chhangani Hon'ble Vice Chancellor, Apex University,

opchhangani@yahoo.com

Professor Om Prakash Chhangani is a well-known scholar in the Structural Engineering within the area of Civil Engineering. He has contributed significantly in the utilization of fly ash within the state. He has more than 35 years of UG and 15 years of PG teaching experience. He has traveled extensively in Europe (Hungary, Czechoslovakia, Germany, France, Austria, Switzerland and Italy). He has participated in publication of European Committee du Beton manual on deflection calculation in slabs and currently a member of the Bureau of Indian standards on Earthquake resistance Design of Bridges and Retaining wall. His contributions on fly ash were also appreciated by college and erstwhile Engineering College Kota was awarded Business Council letter of appreciation for college activity to promote fly ash products.

He was instrumental in bringing TEQIP project to the state of Rajasthan in its II phase. He has authored numerous articles in journals of repute and delivered keynote lectures and expert lectures on subjects of Civil Engineering. He has contributed in curriculum development and courses formulation in PG programmes of University of Rajasthan and Rajasthan Technical University Kota. He has extensive administrative experience of working in different capacities in academic institutions within the state. He had been the Director University College of Engineering and Pro Vice-Chancellor at Rajasthan Technical University, Kota. He has worked as Director, Apex Group of Institutions as well as Director General of the Group. Currently he is the Vice Chancellor of the Apex University.



Dr. Suhasini N. Madhekar Professor, College of Engineering, Pune snm.civil@coep.ac.in

Dr. Suhasini N. Madhekar is currently working as Professor of Applied Mechanics, in the Department of Civil Engineering at College of Engineering Pune (COEP). She obtained her doctorate degree from Indian Institute of Technology (IIT) Bombay. The subject of her

research was 'Seismic Control of Benchmark Highway Bridge'. Her PhD thesis is published in book form by LAP LAMBERT Academic Publishing GmbH and Company, Germany. Her current research interests include structural dynamics and vibration control, bridge engineering and protection of structures from earthquake. She is a supervisor of students for doctoral research. She is FIE (India) and life member of ISTE, ISSE, INDIAN ASTR, IIBE and ICI. Dr. Madhekar has a published a book on 'Seismic design of RC buildings - Theory and Practice', co-authored by Mr. Sharad Manohar. The book is of international repute, published by Springer. The book was awarded the 'Best book of the year - Useful to consultants', in 2015, by Association of Consulting Civil Engineers, India. She has published international journal papers, conference papers and book chapters. Dr. Madhekar has delivered invited lectures in different educational institutes in India. She is also invited as examiner for evaluation of masters and PhD theses by different universities. Dr. Madhekar is recipient of the Excellence in Teaching Award at College of Engineering Pune, the 'COEP Star Award'.



Dr.NitinSingh□is currently working as an Associate Professor in Department of Electrical Engineering, MNNIT Allahabad, Prayagraj, India. He is an alumnus of Motilal Nehru National Institute of Technology Allahabad, India. His primary areas of research are Power System Planning, Electricity markets, Artificial Intelligence, implementation of optimization algorithms and machine learning techniques for power system optimization. He has published more than 45 publications in International Journals and in Proceedings of International Conferences of repute. He is serving as reviewer of several Scopus, SCI and E-SCI-indexed journals. He has organized several international conferences under the banner of IEEE and Springer. He is Member of IEEE, member of IEEE Computational Intelligence Society, Power Energy Society, and Industrial Application society. He is currently serving as Secretary, IEEE Joint Chapter of Industrial Electronics/ Power Electronics /Control System at MNNIT Allahabad Dr.Nitin Singh is currently working as an Associate Professor in Department of Electrical Engineering, MNNIT Allahabad, Prayagraj, India. He is an alumnus of Motilal Nehru National Institute of Technology Allahabad, India. His primary areas of research are Power System Planning, Electricity markets, Artificial Intelligence, implementation of optimization algorithms and machine learning techniques for power system optimization. He has published more than 45 publications in International Journals and in Proceedings of International Conferences of repute. He is serving as reviewer of several Scopus, SCI and E-SCI-indexed journals. He has organized several international conferences under the banner of IEEE and Springer. He is Member of IEEE, member of IEEE Computational Intelligence

Society, Power Energy Society, and Industrial Application society. He is currently serving as Secretary, IEEE Joint Chapter of Industrial

Electronics/ Power Electronics / Control System at MNNIT Allahabad

Dr. Rama Shanker Associate Professor, M. N. N. I. T. Allahabad ramashanker@mnnit.ac.in

Dr. Rama Shanker is currently working as an Associate Professor in the Civil Engineering Department at MNNIT Allahabad. He did his masters and Ph.D. from IIT Delhi. His major research areas are Structural Health Monitoring (SHM), Soft Computing, Sensor System for SHM, Structural Dynamic, Soil Structure Interaction. He is involved in various testing and consultancy works including Design of various multi-storey residential and commercial buildings.

He has guided 10 research scholars towards their doctoral thesis, 5 on-going and 20 postgraduate students for their master's thesis. He has published numerous research papers in international/national journals and conference proceedings. He is also life time member of Indian Concrete Institute.



Dr. Keshav Kumar Sharma Assistant Professor, National Institute of Technology, Jamshedpur kksharma.ce@nitjsr.ac.in

Dr. Keshav Kumar Sharma is currently working as an Assistant Professor in the Civil Engineering Department at NIT Jamshedpur. He did his masters and Ph.D. from MNNIT Allahabad. His major research area is Design and Analysis of high rise buildings under the Seismic actions. He has published numerous research papers in the same area in international/national journals and conference proceedings. He is involved in various testing and consultancy works including design of bridges and multi-story Residential/Commercial buildings.



Dr. P. C. Ashwin Kumar Assistant Professor, Indian Institute of Technology, Roorkee pcashwin.feq2018@iitr.ac.in

Dr. P. C. Ashwin Kumar is currently working as an Assistant Professor in the Civil Engineering Department at IIT Roorkee. He did Ph.D. from IIT Delhi and masters from IIT Madras. His research interests include Seismic analysis and design of steel structures, Seismic retrofitting of structures, large scale testing of structures and Finite element modeling of structures. He is also a life member of ISET and affiliate member of ASCE.



Dr. Anupam Rawat Assistant Professor, MNNIT Allahabad anupam@mnnit.ac.in

Dr. Anupam Rawat is currently working as an Assistant professor in the Civil Engineering Department at MNNIT Allahabad. He did his masters and Ph.D. from MNNIT Allahabad. His major research areas are Structural Health Monitoring, Ferro-cement, Pavements, Soil-pavement interaction. He has published numerous research papers in the same area. He is also a Member in team for Inspection of Grossly Polluting Industries (GPIs) by third part technical institute funded under National Mission for Clean Ganga (NMCG) 'Namami Gange' Programme. April-July 2018.



Dr. B. P. Suneja Professor, Rajasthan Technical University, Kota bpsuneja@rtu.ac.in

Dr. B. P. Suneja is a Professor in the Civil Engineering Department of Rajasthan Technical University, Kota. Presently he is also working as the Dean, Faculty of Engineering and Architecture in the University and also as University coordinator for Universal Human Value Programs and Induction Programs of AICTE. He is also convener for New Education Policy-2020 for RTU.

He graduated from MBM Engg. College, Jodhpur in 1984 and later acquired his M. Tech. in 1992 and Ph. D. degree in 1997 both from IIT, Delhi. He is the life member of various professional and academic bodies. He is Vice-Chairman of Indian Building Congress, Kota Regional Centre.

He has to his credit more than 30 research papers in reputed international and national journals and in international and national conferences. His area of interest is Earthquake Disaster management. He has been one of the state resource persons for national disaster management program and has trained about 150 field engineers through short term disaster management programs.

His 35 years teaching experience also includes working in various important capacities like controller of examinations, Dean student welfare, Head of the Civil Engineering Department and Head Training and Placement of RTU.



Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Peornima College of Engineering
ISI-6, Filico Institutional Area

Dr. Seeram Madhuri Assistant Professor, National Institute of Technology, Jamshedpur smadhuri.ce@nitjsr.ac.in

Dr. Seeram Madhuri is currently working as an Assistant professor in the Civil Engineering Department at NIT Jamshedpur. She did her masters and Ph.D. from IIT Madras. Her major research area is Dynamics of Offshore Structures. She has published numerous research papers in the same area. She received best paper award at IGC-2006 for the paper titled "Effect of Soil Structure Interaction Analysis Methods on Estimation of Natural Period of Berthing Structures".



4. SCREENSHOTS OF ONLINE SESSION

Date 21 September 2020

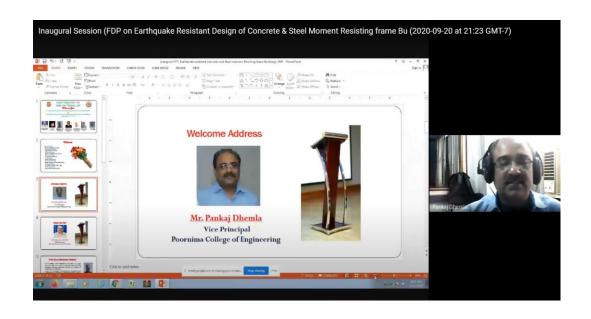
Inaugural Session

Poornima College of Engineering has organized a five days Faculty development Programme on Earthquake Resistant Design of Concrete & Steel Moment Resisting frame Buildings. This programme was innograted by Chief Guest Prof. R.A. Gupta, Hon.ble Vice Chancellor RTU Kota, Prof. Dhirrendra Mathur, RTU (ATU) TQIP-III Coordinator, Prof. O.P. Chhangani Vice Chancellor Apex Univeristy, Jaipur, Prof. B.P. Suneja Dean Academics Engineering and Architecture RTU Kota, Prof. A.K. Dwivedi, RTU FDP Coordinator, Prof. Mahesh Bundele, Director, PCE, Mr. Pankaj Demla and Mr. Divya Vishnoi.

Programme was preceded with welcome note by our Vice Principal Mr. Pankaj Dhemla. He welcomed our Chief Guest Prof. R.A. Gupta. He also briefed the importance of Earthquake resistant strucutres for faculty members, researchers, and students.

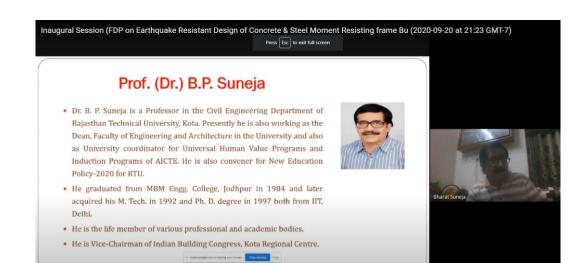
Prof. O.P. Chhangani also highlights the importance of such Faculty development Programme and Prof. B.P. Suneja disscuss about the importance of construction of Structure for Earthquake Rresistant. Also Prof. A.K. Dwivedi, RTU Event Coordinator, welcomed to all the participants and told about the FDP program. There are 134 participants were registered from various renowned institutes of Rajasthan and India.

Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
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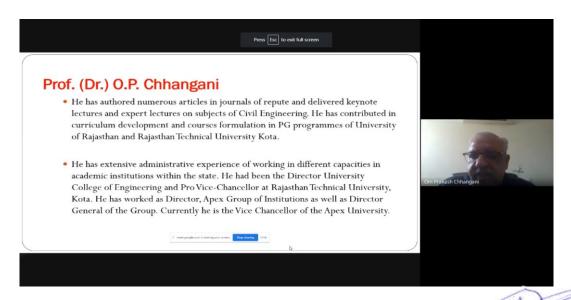




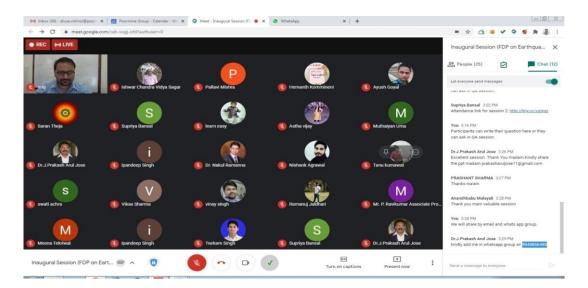




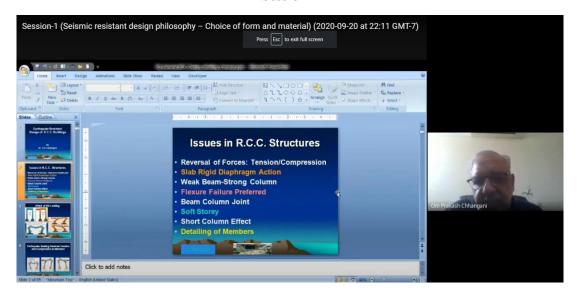


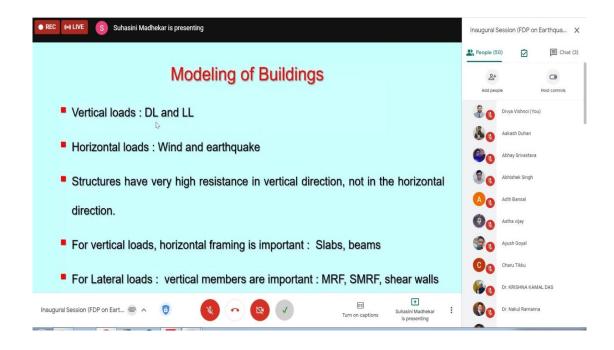






Session 1



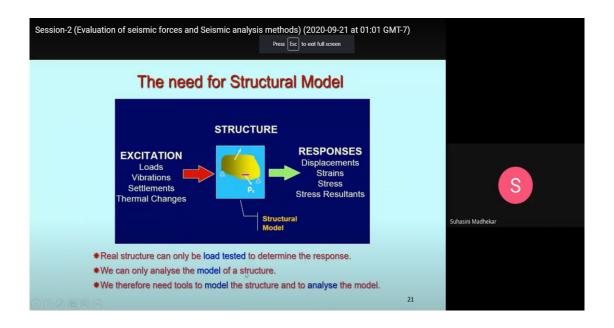


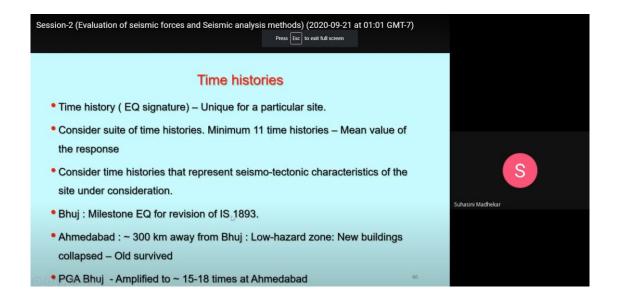
Session 2





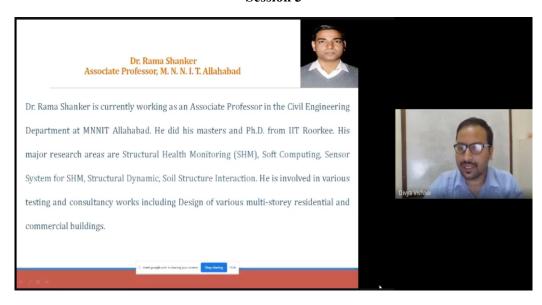




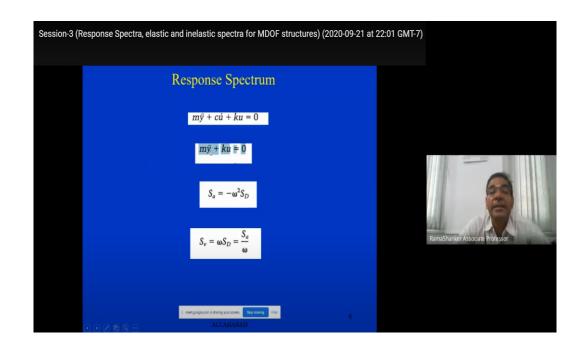


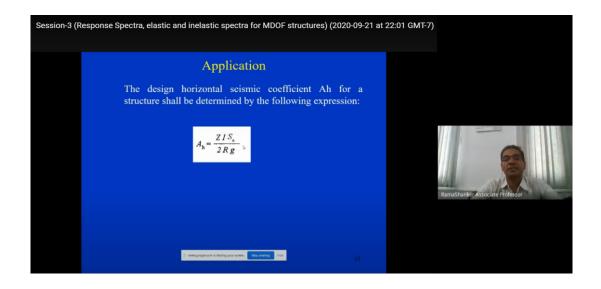
Date 22 September 2020

Session 3



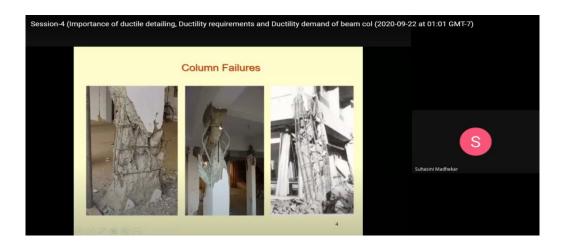


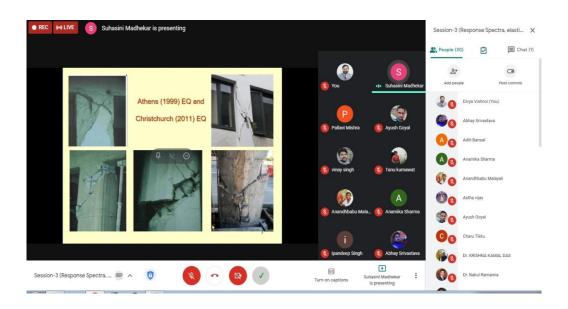


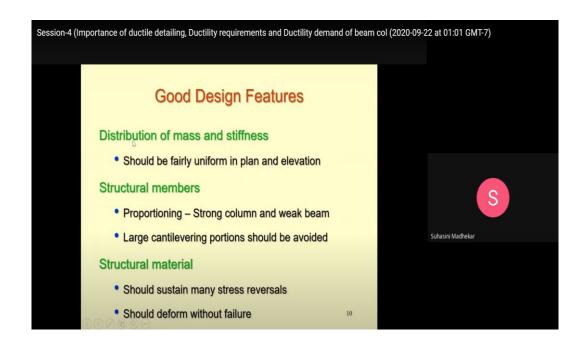


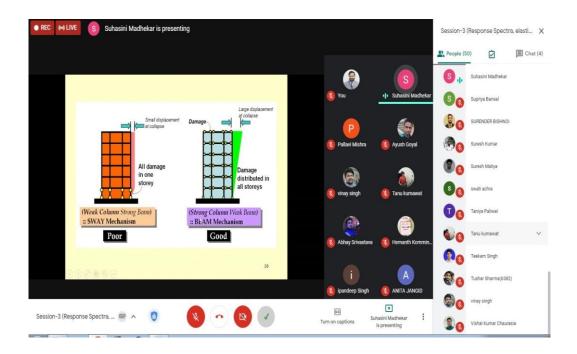
Session 4







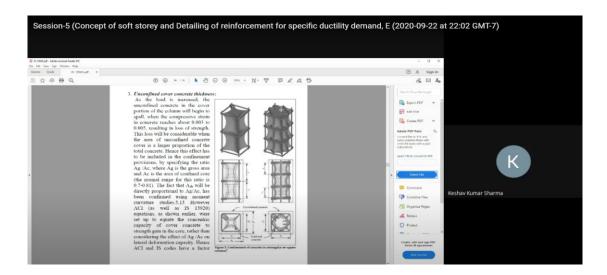




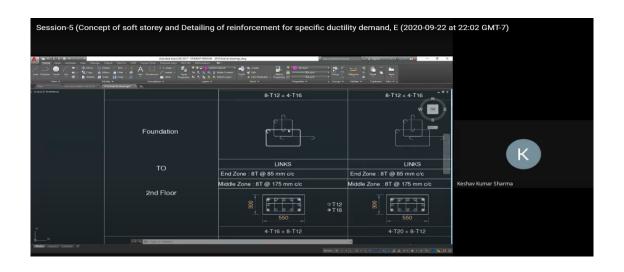
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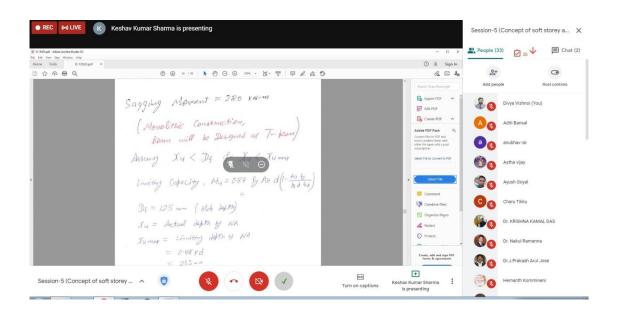
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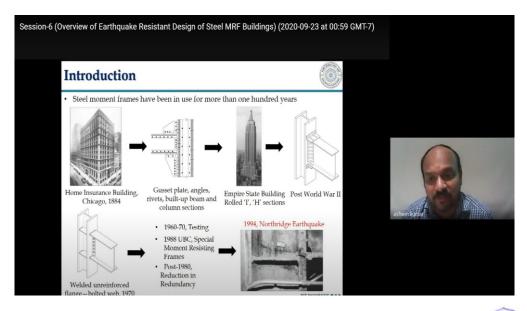


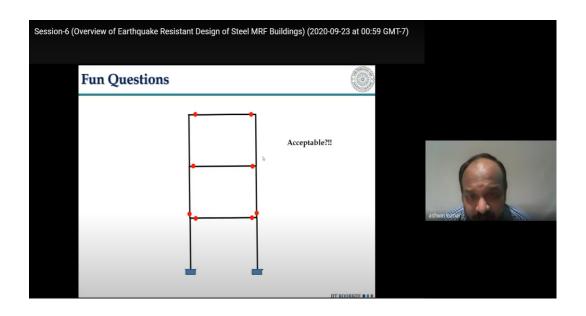


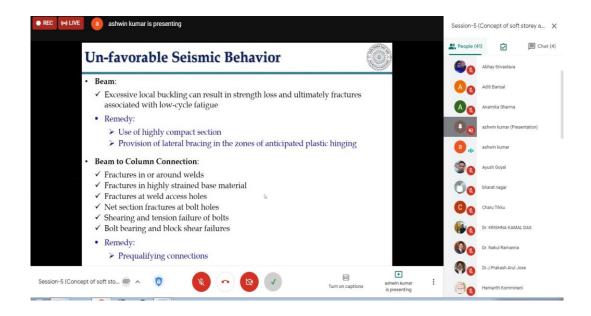
Session 6







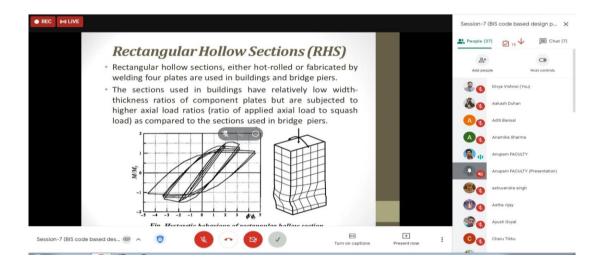


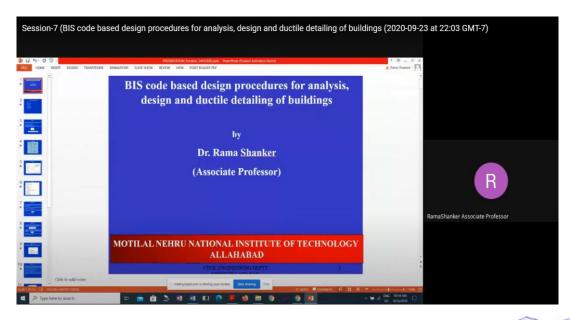


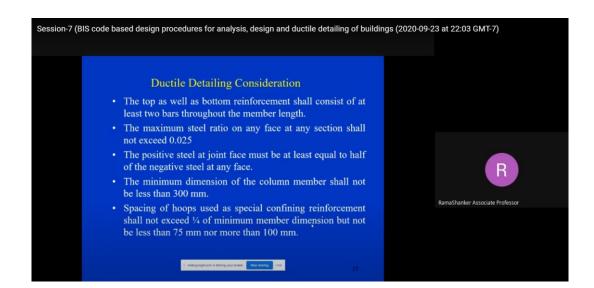
Date 24 September 2020

Session 7



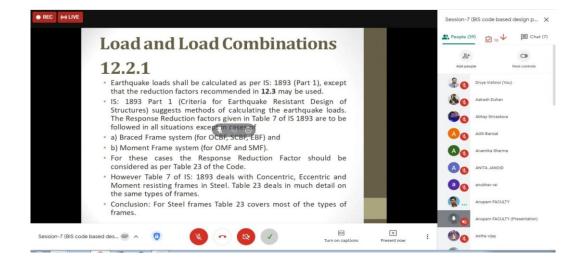






Session 8

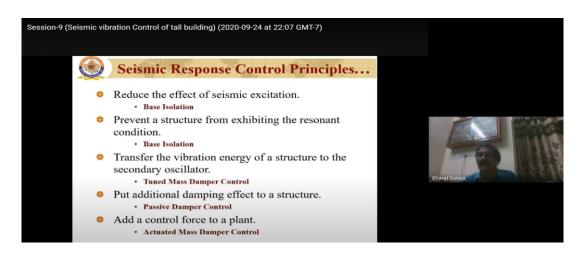




Date 25 September 2020

Session 9

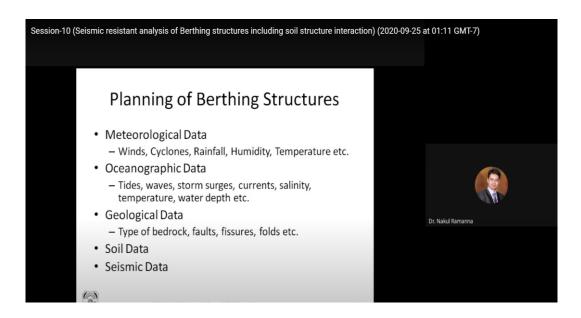


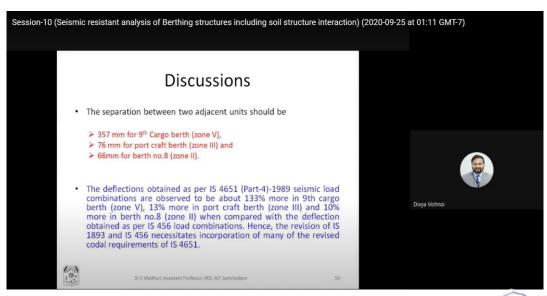




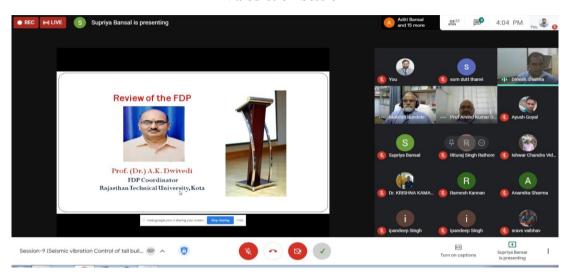
Session 10

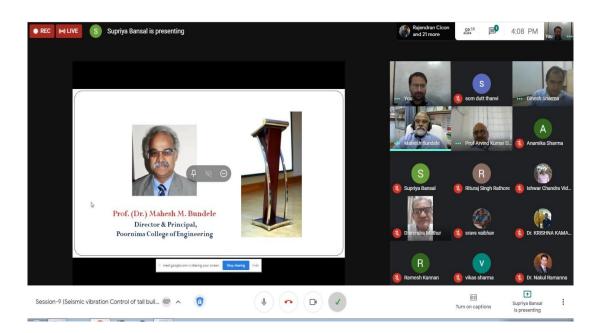


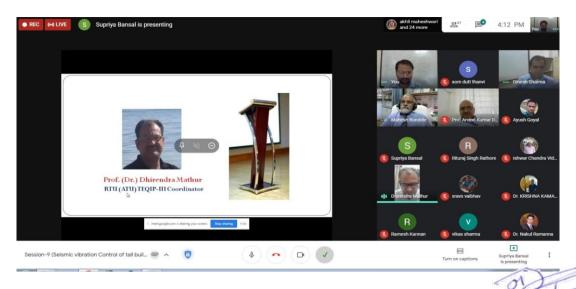




Valediction Session

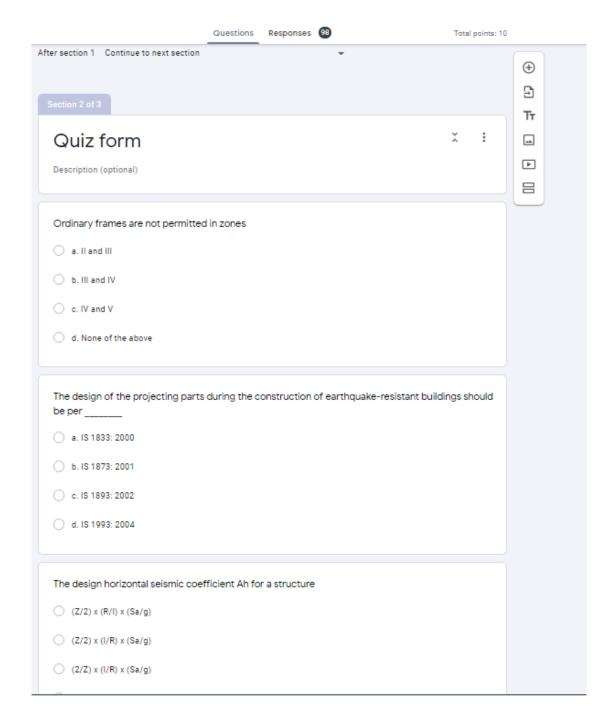








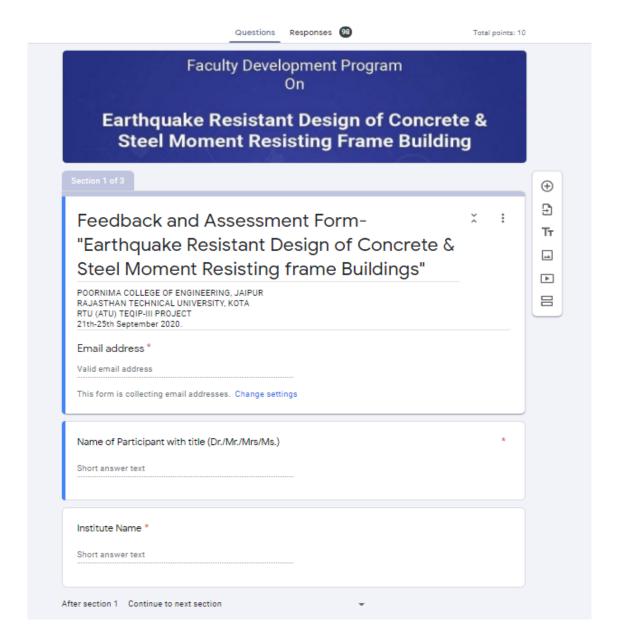
5. ASSESSMENT



_	Questions	Responses 99	Total points: 10
India is divided intose	ismic zones	:::	•
○ 2			Ð
○ 3			Тт
O 4			
O 5			
The ends of stirrup is bend at angle			
○ 45°			
O 90°			
○ 135°			
○ 180°			
Importance factor for buildings suc	h as hospita	ls, railway station, monumental buildin	gs etc
O a. 1.0			
O b. 1.2			
O c. 1.5			
O d. 2.0			
The advantages of using steel for ea	arthquake re	esistant structure is	
a. Ability to withstand reversal of st	resses		
O b. Ductility			
c. Energy dissipation capacity			

	•
Earthquake is displacement loading not force loading	₽
○ True	Тт
○ False	
	▶
Response reduction factor for special frame as per IS 1893 (2016) for RC and steel are:	
a. RC: 5, Steel : 5	
○ b. RC: 3, Steel: 5	
○ c. RC: 5, Steel : 3	
O d. RC: 3, Steel: 3	
Is this moment resisting frame acceptable? (Red circle denoted Hinges)	
· ·	
,	
≟	
○ No	

6. FEEDBACK FORM FORMAT



Responses 98



Kindly	provide (us your v	aluable f	feedback	k about t	he cours	se (10 is t	he highe	est grade).	
Descript	ion (optiona	si)									
Your e	xperienc	e about 1	the cour	se. *							
	1	2	3	4	5	6	7	8	9	10	
	0	0	0	0	0	0	0	0	0	0	
Knowle	edge enh	nanceme	nt. *								
	1	2	3	4	5	6	7	8	9	10	
	0	0	0	0	0	0	0	0	0	0	
Releva	ncy of to	pics. *									
	1	2	3	4	5	6	7	8	9	10	
	0	0	0	0	0	0	0	0	0	0	
About	speakers	s. *									
	1	2	3	4	5	6	7	8	9	10	

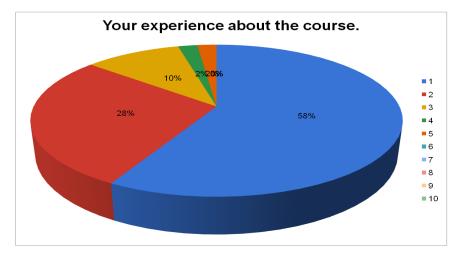
				Ques	ciono	Responses	9			10	tal points: 10	
General	1					6						⊕ <u>⊕</u> Tτ
	0	0	0	0	0	0	0	0	0	0		<u></u> ▲
In future Enginee		want to	attend s	such coul	rses co	onducted b	y this In	stitute (F	oornima	College o	of *	8
O Yes												
O No												
If No, W	/hy?											
Long ans	swertext											
Tonic th	nat can h	ne covere	ed in the	next cou	irse? *							
	swer text			TIEXT COL	use:							
Knowle	dge gair	by the o	course. *	k								
Short ans	swer text											
Overall	experier	nce of th	e course	e. *								
	swer text											
	tions *											

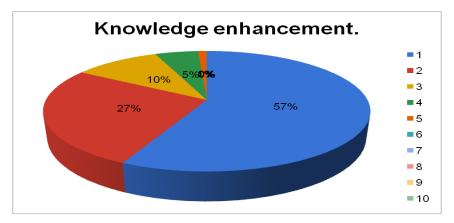
7. CERTFICATE FORMATE

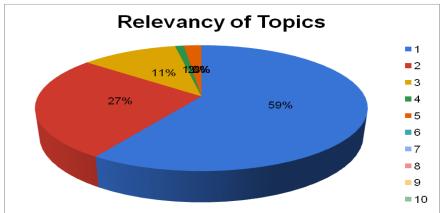
Five Days TEQIP-III Sponsored Faculty Development Programme on Earthquake Resistant Design of Concrete & Steel Moment Resisting frame Buildings Jointly Organised By					
Rajasthan Technical University, Kota &					
Department of Civil Engineering					
Poornima College of Engineering, Jaipur					
Certificate id: {{certificate id}}					
This is to certify thatof					
Development Programme on "Earthquake Resistant Design of Concrete & Steel Moment Resisting					
frame Buildings" held from <u>21/09/2020</u> to <u>25/09/2020</u> at "Poornima College of Engineering".					
Dr. A.K. Dewedi Mr. Divya Vishnoi Ms. Stipriya Bansal Dr. Mahesh Bundele (Coordinator) (Coordinator) (Coordinator) (Principal) PCE, Jaipur PCE, Jaipur					

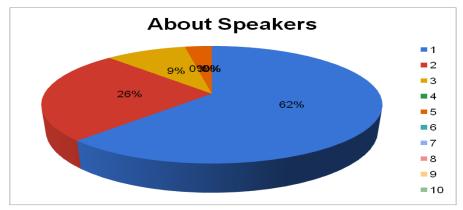
8. FEEDBACK ANALYSIS

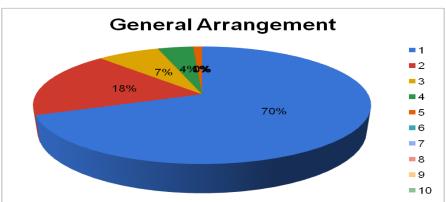
Note: Questions were asked on a scale of 1 to 10



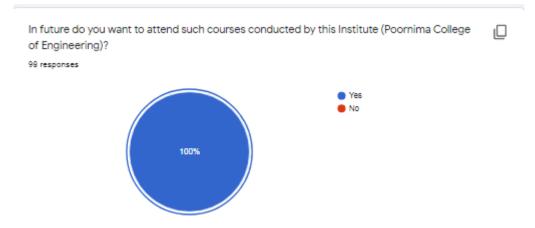




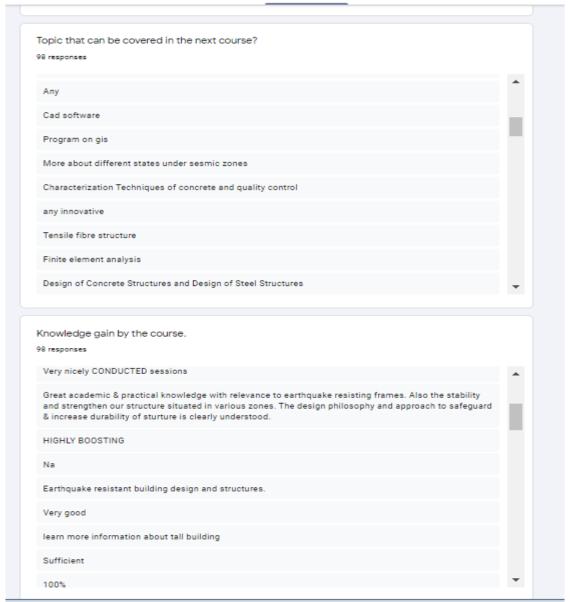


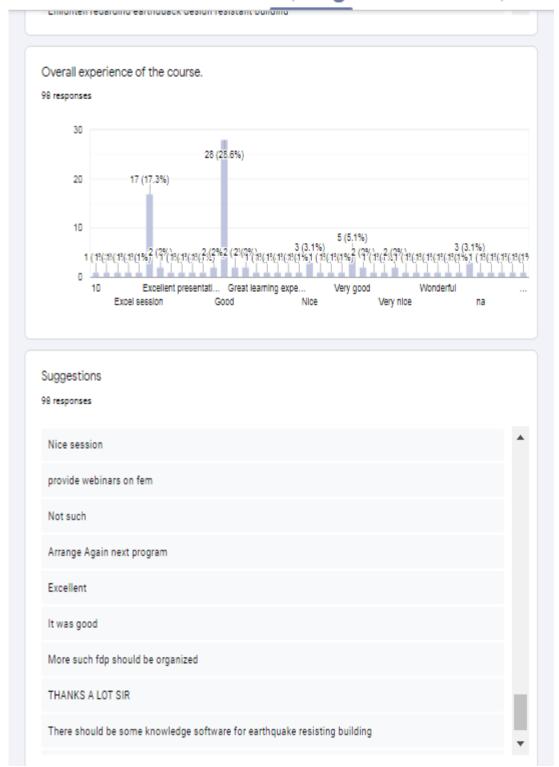


When asked whether they would like to attend such courses in future if conducted by the institute, all participants said a Yes.









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96	MS. TANIYA PALIWAL	RAJASTHAN TECHNICAL UNIVERSITY	DD287S- CE000101