

**Workshop 59: 'Earthquake Resistant Design of High Rise RCC structures - Modelling, Analysis and Design'**  
**Venue: Veermata Jijabai Technological Institute (VJTI),**  
**Matunga (E), Mumbai-400 019.**  
**DAY ONE- Date: 4<sup>th</sup> July, 2013**  
**DRAFT TIME TABLE (R2)**

Lecture No.	Time	Topic	Proposed Speaker
<i>9:30 a.m. to 10:00 a.m.</i>		<b>REGISTRATION &amp; BREAKFAST</b>	
1	10:00a.m. to 11:30a.m.	<b>Building Elements and Peculiarities</b> <ul style="list-style-type: none"> <li>• Types of building and peculiarities (Residential And Commercial)</li> <li>• Room size, Column Grid, Limitations to Structural members for sizes due to services</li> <li>• Slab, Beam, Column, Shear Wall, Infill Wall, Link beam, MYVAN system, canopies</li> <li>• Lateral Force raising system</li> <li>• Visual of Real life Building and Elements</li> </ul>	Prof. Mukund Shiyekar
<i>11:30a.m. to 11:45a.m.</i>		<b>TEA and Q/A</b>	
2	11:45a.m. to 01:15p.m.	<b>Introduction of Earthquake Engineering</b> <ul style="list-style-type: none"> <li>• Generation of forces during earthquake</li> <li>• Behaviour of buildings during earthquake</li> <li>• Introduction to Static and Dynamic methods of analysis</li> <li>• Need of Using a Software</li> <li>• Q/A</li> </ul>	Prof. M. G. Gadgil
<i>01:15p.m. to 02:15p.m.</i>		<b>LUNCH</b>	
3	2:15p.m. to 3:45p.m.	<b>Introduction of Software</b> <ul style="list-style-type: none"> <li>• Q/A</li> </ul>	Mr. Ashok Chande
<i>3:45p.m to 4:00p.m.</i>		<b>TEA and Q/A</b>	
4	4:00pm 5:30 p.m.  5:30p.m. to 5:45p.m.	<b>Correct and efficient Modelling of building.</b> <ul style="list-style-type: none"> <li>• Use of AutoCAD</li> <li>• Use of ETABS</li> <li>• Complexity of using AutoCAD for generating ETABS model.</li> <li>• Q/A</li> </ul>	Mr. Ashok Chande

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H. R. Mahajani Marg,

Matunga (E), Mumbai-400 019.

**DAY TWO- Date: 5<sup>th</sup> July, 2013****DFART TIME TABLE (R2)**

Lecture No.	Time	Topic	Proposed Speaker
<i>9:30 a.m. to 10:00 a.m.</i>		<i>BREAKFAST</i>	
5	10:00a.m. to 11:30a.m.	Provisions IS 1893- Options, selections and grey area for Seismic force calculations	Dr. C.V.R. Murthy
<i>11:30a.m. to 11:45a.m.</i>		<i>TEA and Q/A</i>	
6	11:45a.m. to 01:15p.m	Coal Provision IS 13920 Design of Structural Elements and Detailing <ul style="list-style-type: none"><li>• Beam</li><li>• Column</li><li>• Link Beam</li><li>• Shear Wall</li></ul>	Dr. C.V.R. Murthy
<i>01:15p.m. to 02:15p.m.</i>		<i>LUNCH</i>	
7	2:15p.m. to 3:45p.m.	Wind Load <ul style="list-style-type: none"><li>• Codal provisions</li><li>• Static and Dynamic methods of analysis</li><li>• Gust Factor</li><li>• Wind Tunnel analysis</li><li>• Application of wind forces in ETABS</li><li>• Q/A</li></ul>	Dr. Tanuja Bandivadekar
<i>3:45p.m to 4:00p.m.</i>		<i>TEA and Q/A</i>	
8	4:00pm 5:30 p.m. 5:30p.m. to 5:45p.m.	Viewing of output of ETABS and rewrites. <ul style="list-style-type: none"><li>• Q/A</li></ul>	Mr. Ashok Chande