

DAY 1: 21-12-2016 Venue: Vigyan Auditorium		
8.00 am onwards	Reception & Registration	
9.00 am - 10:30 am	Inaugural session and High Tea	
<b>10.30 am - 12.00 am</b>	<b>Technical Session -1 (Plenary Lectures)</b>	<b>Venue: Vigyan Auditorium</b>
	Chair: Prof. C.V.R. Murty	Co-chair: Prof. Meher Prasad
10.30 am - 11.15 am	<b>Prof. Tarun Kant</b> , IIT Bombay	A Comparison of Three Dimensional Elasticity Solutions for Functionally Graded Plates
11.15 am - 12.00 pm	<b>Prof. Nimal Rajapakse</b> , Carleton University, Canada	Atomistic and Continuum Studies of the Mechanics of Graphene for Development of Nanocomposites

21-12-2016 Technical Session 2 (Contributory Papers) Venue: TDC			
12.00 pm - 1.30 pm	Hall1: Wind and Earthquake Engineering-1	Hall 2: Vibration Control and Smart Structures-1	Hall 3: Structural Health Monitoring & Condition Assessment and Performance Evaluation-1
	Chair: Prof. K. Muthumani Co-chair: Prof. S. Narayan	Chair: Prof. Abhijit Mukherjee Co-chair: Prof. Rama Debbarma	Chair: Dr. N. Gopalakrishnan, CBRI Co-chair: Dr. R.K. Garg, CRRI
12.00pm-12.15 pm	Seismic Behavior of Damaged Buildings under second episode of Earthquake, <b>(SEC- 178) S.Narayan, M K Shrimali, S D Bharti, T K Datta</b>	Seismic Response Mitigation of 50 Storied Building using passive control devices: A comparative Study, <b>(SEC- 128) Debanjan Das, Rama Debbarma</b>	Influence of Curing on Acoustic Emission Characteristics of Plain Concrete subjected to Uniaxial Compression, <b>(SEC- 419) Richa Privadarshi, Isha Narsaria, K P Sreejaya, R Vidya Sagar</b>
12:15 pm-12.30 pm	Numerical Investigation of the Turbulent Airflow Through Elevated Windbreak, <b>(SEC- 196) A Agarwal, H Irtaza</b>	Seismic Control of Benchmark Highway Bridge Installed With Bilinear Double Concave Friction Pendulum System, <b>(SEC- 164) Gaurav Parmar, Suhasini Madhekar</b>	Nonlinear System Identification using Empirical Slow Flow Model, <b>(SEC- 169) J Prawin, A Rama Mohan Rao.</b>
12.30 pm-12.45 pm	Dynamic Response Amplification in RC Frame Buildings, <b>(SEC- 146) Uday Sinha, Satyabrata Choudhury</b>	Seismic Response Control of Smart Base Isolated Benchmark Building Using Hybrid Control Strategy (Viscous Fluid Damper with MR Damper), <b>(SEC- 177) Rini Dey, Purnachandra Saha</b>	Efficiency of the Torsional Mode Shapes in Structural Damage localization, <b>(SEC- 134) Gourab Ghosh</b>
12:45 pm-1:00 pm	Sloshing in Liquid Storage Tanks with Internal Obstructions, <b>(SEC- 158) M.Z. Kangda, S.S. Sawant, O.R Jaiswal</b>	Seismic Vibration Control for 20-Story Non-Linear Benchmark Building Installed with Shape Memory Alloy Damper, <b>(SEC- 149) Raghav Moyade, Suhasini Madhekar</b>	Structural Damage Identification by Model Updating using HDMR, <b>(SEC- 137) Naveen, B.O, Balu, A.S.</b>
1:00 pm-1:15 pm	Reliability Estimation in Vibrating Structures by Girsanov's Transformation with Markov Control Forces, <b>(SEC- 163) Oindrila Kanjilal, C.S. Manohar</b>	Inelastic Seismic Behaviour of Asymmetric RC Buildings using Base Shear and Torque (BST) Surface, <b>(SEC- 161) Raut R.M. ,Madhekar S.N.</b>	Parametric Study of Shape Memory Alloy in Concrete, <b>(SEC- 216) Prashant Kumar, A K Sachan, Rama Shanker, Anupam Rawat</b>
1:15 pm-1:30 pm	Seismic Response Mitigation of Low-Rise RC Frame Buildings with Infill using Tuned Liquid Damper, <b>(SEC- 200) Subhra Das, Satyabrata Choudhury</b>	Numerical Investigation on the Effectiveness of Double Tuned Mass Dampers in Structural Vibration Control, <b>(SEC- 179) Mohammed Fasil, Sajeeb R.</b>	Effect of Corrosion on Seismic Performance of 2D RCC Frames, <b>(SEC- 570) T Nagender, Y M Parulekar and G R Reddy</b>

		21-12-2016 Technical Session 2 ( Contributory Papers)		Venue: TDC	
12.00 pm - 1.30 pm	Hall 4: Computational Structural Mechanics-1	Hall 5: Repair, Rehabilitation and Retrofit of Structures-1	Hall 6: Analysis and Design of Concrete Structures-1	Hall 7: New Building Materials for Sustainable Construction-1	
	Chair: Prof. Tarun Kant Co-chair: Prof. Pijush Topdar	Chair: Prof. K.V.L. Subramaniam Co-chair: Dr. D. Prabhu	Chair: Prof. Ravi Sinha Co-chair: Prof. Maganti Janardhana	Chair: Prof. Somnath Ghosh Co-chair: Prof. Tribikram Mohanty	
12.00pm-12.15 pm	A Study on Finite Element Modelling of Acoustic Emission Waveforms in Composite and Sandwich Plates, <b>(SEC- 231) Sanjay Sengupta, Pijush Topdar, Alope Kumar Datta</b>	Rehabilitation of Post tensioned Flat slab affected by Fire, <b>(SEC- 398) D.Prabu, L. S. Kannan</b>	Effect of Infill Wall Stiffness on Seismic Analysis of High Rise Building Resting on Sloping Ground, <b>(SEC- 214) Kolasani Rajasekhar, Maganti Janardhana</b>	Investigations on Aggregate Reactivity in Geopolymer Concrete, <b>(SEC- 794) B Singh, G Ishwarya</b>	
12:15 pm-12.30 pm	Improved Sparse High Dimensional Model Representation based on Least Absolute Shrinkage and Selection Operator, <b>(SEC- 151) Tanmoy Chatterjee, Rajib Chowdhury</b>	Strength based model for RC beams retrofit with ultra-high performance concrete, <b>(SEC- 497) Prabhat Ranjan Prem, A Ramachandra Murthy</b>	Improvement in Load Carrying Capacity of RC Shear Wall with Opening Using Concealed Steel Tube Bracing, <b>(SEC- 235) S. N. Mahadik, S. R. Bhagat</b>	Development of Cost Effective Water Tanks using Flowable Cementitious Composite, <b>(SEC- 535) J Prabakar, J.Daniel Ronald Joseph</b>	
12.30 pm-12.45 pm	Reliability Based Design Optimization – A Hybrid PCFE Based Approach, <b>(SEC- 165) Souvik Chakraborty, Rajib Chowdhury</b>	The Waste Materials as Partial Replacement of Fine Aggregate in Concrete-Outlet, <b>(SEC- 365) PV Ramana, Kunal Bishit</b>	Analysis and Design of Table Top Foundation for Turbine Generators, <b>(SEC- 125) Siddhartha Bhattacharya</b>	Combined Effect of Steel Fibers with Ferrochrome Slag on Hardened Concrete, <b>(SEC- 168) Rohit Shah, Tribikram Mohanty</b>	
12:45 pm-1:00 pm	Numerical Modeling of Spalling in High Strength Concrete at High Temperature, <b>(SEC- 202) P Ravi Prakash, Gaurav</b>	Behavior of FRP Strengthened Reinforced Concrete Columns under Pure Compression- Experimental and Numerical Studies, <b>(SEC- 425) M Chellapandian, S Suriya Prakash</b>	Effect of Construction Joints on Strength Performance of Concrete, <b>(SEC- 241) A. A. Mathew, M. Nazeer</b>	Studies on durability of slag-based geopolymer concrete, <b>(SEC- 195) S. Sundar Kumar, J. Lokesh Kannan, K. C. Pazhani, K.Ravisankar</b>	
1:00 pm-1:15 pm	Reliability Study of Circular Railway Bridge Pier Using Monte Carlo Simulation, <b>(SEC- 336) Abishek A., B N Rao</b>	Performance of RC Columns Strengthened with Pre-Stressed CFRP Bands, <b>(SEC- 797) Ambadas Waghmare, Daniel Koothoor, Dhruv Shah, Kinal Bid, Rahul Ghadwal, Snehal Sonawane, Viraj Sanghvi, Abhay Bambole</b>	Reaction Response of Horizontally Curved and Skewed Concrete Box-Girder Bridges, <b>(SEC- 266) Tanmay Gupta, Manoj Kumar</b>	Development of Bio-degradable Acoustic Panels from Water Hyacinth Fiber, <b>(SEC- 224) B. Dhayalini, R. Senthil</b>	
1:15 pm-1:30 pm	Simulated nanoindentation technique for evaluating the phase properties of cement during hydration, <b>(SEC- 631) Gautham S, Sindu B S, Saptarshi Sasmal</b>	Impact Response of Paver Blocks With Waste Tyre Crumb Rubber, <b>(SEC-213) R. Bharathi Murugan, E. Ram sai E, C. Natarajan</b>	Performance Estimation of Solid and Punched Shear Wall Buildings with Two Modelling Techniques, <b>(SEC- 274) Juturu Swetha, Onkar G. Kumbhar, Ratnesh Kumar</b>	Effect of Addition of Flyash and Superplasticizer to Ultra-fine Slag Based Geopolymer Mortar, <b>(SEC- 226) Sulaem Musaddiq Laskar, Sudip Talukdar</b>	
1.30 pm – 2.30 pm		Lunch			

2.30 pm - 3.30 pm	Date: 21-12-2016 Technical session -3 (Invited Lectures)			Venue: TDC
	Hall 1	Hall 2		Hall 3
	Chair: Prof. Meher Prasad Co-chair: Prof. Rupen Goswami	Chair: Prof. Tarun Kant Co-chair: Prof. Satish Kumar	Chair: Prof. Nimal Rajapakse Co-chair: Prof. S.T.G. Raghukanth	
2:30 pm- 3:00 pm	Road Map for Upgrading Earthquake Resistant Design in India, <b>Prof. C. V. R. Murty</b> , IIT, Jodhpur	Lessons to be learnt from structural failures, <b>V.N. Heggade</b> , Gammon India Ltd.		From Deterministic to Risk-informed and Further to Risk-based Approach; <b>Dr. P.V. Varde</b> , BARC
3:00 pm- 3:30 pm	Improved Super-elastic Isolation System using a Ferrous based Shape Memory Alloy (FNCATB), <b>Subrata Chakraborty</b> , IEST, Shibpur	Concrete in 21 <sup>st</sup> Century, <b>Prof. Somnath Ghosh</b> , Jadhavpur Univ.		Estimation of Residual Crack Widths in Post-Yield Response Range; <b>Prof. Ravi Sinha</b> , IIT, Bombay
3:30 pm- 4:00 pm	Tea			
	Date: 21-12-2016 Technical Session 4 (Contributory Papers)			Venue: TDC
4.00 pm - 6.00 pm	Hall1: Wind and Earthquake Engineering -2	Hall 2: Vibration Control and Smart Structures -2		Hall 3: Structural Health Monitoring & Condition Assessment and Performance Evaluation-2
	Chair: Dr. S. Gomathinayagam Co-chair: Prof. R. Senthil	Chair: Prof. Subrata Chakraborty Co-chair: Prof. Aparna (Dey) Ghosh	Chair: Prof. Abhijit Mukherjee Co-chair: Prof. Alope Kumar Datta	
4:00 pm- 4:15 pm	Dynamic characteristics of open ground storey reinforced concrete building retrofitted with shear wall, <b>(SEC- 447) Madheswaran C.K</b> , <i>Tayyab Adnan H, Gopalakrishnan N Prakashvel J, Sathishkumar K</i>	Viscoelastic Damper as an Alternative to Coupled Shear Wall in a Twenty Storey Building, <b>(SEC- 206) Deepiya R.</b> , <i>Kamatchi P.</i>		Damage Assessment in Composites using Frequency Discrimination of Acoustic Emission Signals, <b>(SEC- 234) Sanjay Sengupta, Alope Kumar Datta, Pijush Topdar</b>
4:15 pm- 4:30 pm	Real-time Hybrid Simulation using Electromagnetic Shaker, <b>(SEC- 426) Mohit Verma</b> , <i>Mettupalayam V. Sivaselvan J. Rajasankar</i>	Cyclonic Wind Response Mitigation of Transmission Towers by SMA Dampers, <b>(SEC- 227) Madhusree Roy, Aparna (Dey) Ghosh</b>		Structural Identification for Assessing the Change in Support Condition of the Bridge Deck Grid Model, <b>(SEC- 427) Srinivas Voggu, Poornima N</b>
4:30 pm- 4:45 pm	Control of Vortex Shedding Past a Circular Cylinder by a Flexible Wake Splitter Plate, <b>(SEC- 480) Chandan Bose, S. Krishna Kumar, Sunetra Sarkar, Sayan Gupta</b>	Response Control of Offshore Jacket Platforms using Shape Memory Alloy – Rubber Bearing Isolators under Wave Loads, <b>(SEC- 246) Soumi Rajbanshi, Diptesh Das</b>		Fibre Optic Sensors for Corrosion Monitoring of Reinforcement in Concrete Structural Elements, <b>(SEC- 421) K Kesavan, S. Parivallal, B. Arunsundaram</b>
4:45 pm- 5:00 pm	Nonlinear Static Behaviour of RC Frame Buildings During Construction Stages, <b>(SEC- 223) Ankush Gogoi, Bhargav Bhuyan, Nishant Sharma, Kaustubh Dasgupta</b>	Performance of Semi Actively Controlled Building Frame using MR Damper for Near Field Earthquake, <b>(SEC- 225) Vishisht Bhaiya, S. D. Bharti, M. K. Shrimali, T. K. Datta</b>		Vibration Based Damage Detection in a Channel Section Steel Beam using Response Surface and Genetic Algorithm, <b>(SEC- 221) Palash Dey, Sudip Talukdar</b>
5:00 pm- 5:15 pm	Hybrid testing of concrete bridge piers with different detailing at column-foundation interface, <b>(SEC- 251) Needhi Kotoky, Anjan Dutta, Sajal K Deb</b>	Linearized Dynamic Analysis of Weightless Sagging Planer Elastic Cables, <b>(SEC- 228) Pankaj Kumar, Abhijit Ganguli, Gurmail Benipal</b>		Experimental Studies on Slab Deck Type Bridge under Traffic Induced Vibration, <b>(SEC- 354) Sameer G Patel, Gaurang R Vesmawala</b>
5:15 pm- 5:30 pm	CFD and Wind Tunnel Investigations on Rectangular Building with Corner Cuts, <b>(SEC- 260) Monica A, Harikrishna P, Nagamani K, Ramesh Babu G</b>	Performance of Compliant Liquid Column Damper for Seismically Excited Structures, <b>(SEC- 255) S. Bhattacharyya, A. (Dey) Ghosh, B. Basu</b>		A model free approach to forewarning aeroelastic flutter instability using entropy measures, <b>(SEC- 486) J Venkatramani, Sayan Gupta, Sunetra Sarkar</b>
5:30 pm- 5:45 pm	Performance of Precast Beam to Beam Connections under Cyclic Loading, <b>(SEC- 455) Vidjeapriya R, Jaya K.P, Praveenkumar B</b>	Dynamic Modeling of Ujjayanta Palace - a Heritage Load-bearing Masonry Building, <b>(SEC- 243) Raghunath S</b>		Development of Wireless Sensor System for Remote Structural Health Monitoring Applications, <b>(SEC- 567) B. Arun Sundaram, S. Parivallal, K. Kesavan, A.K.Farvaze Ahmed</b>
5:45 pm- 6:00 pm	Hydro-electric flow optimization of a dam: A Kriging based approach, <b>(SEC- 229) Subhadip Biswas, Souvik Chakraborty, Rajib Chowdhury, Indrajit Ghosh</b>	Seismic Performance of a Heritage Rubble Stone Masonry Building-A Case Study, <b>(SEC- 807) Hina Gupta, Debduitta Ghosh, Achal K Mittal</b>		Experimental and Analytical Studies of Failure Characteristics of FRP Connections, <b>(SEC- 324) S. B. Singh, Himanshu Chawla, Sudhir Vummadisetti</b>

21-12-2016 Technical Session 4 (Contributory Papers) Venue: TDC				
4.00 pm - 6.00 pm	Hall 4: Computational Structural Mechanics-2	Hall 5: Repair, Rehabilitation and Retrofit of Structures-2	Hall 6: Analysis and Design of Concrete Structures-2	Hall 7: New Building Materials for Sustainable Construction-2
	Chair: Prof. Varde Co-chair: Prof. Shanthini Gedela	Chair: Prof. K.P. Jaya Co-chair: Shri Vinay Gupta	Chair: Prof. Ravi Sinha Co-chair: Dr. Meenu Sharma	Chair: Prof. Somnath Ghosh Co-chair: Prof. V. Ponnmalar
4:00 pm- 4:15 pm	Flutter Reliability Studies of a Swept Back Plate, <b>(SEC- 606) Shanthini Gedela, Pankaj Achuthan, Manjuprasad M</b>	Studies on Strengthening Techniques for Existing Transmission Line and Communication Towers, <b>(SEC- 302) R Balagopal, N Prasad Rao, P R Roakde, P K Umesh</b>	Effect of Pile Layout and Pile Cap Thickness on Load Distribution in Piles, <b>(SEC- 264) Meenu Sharma</b>	Experimental Investigation of Compression and Cyclic Behavior of Partially Replaced Micro Silica Concrete, <b>(SEC- 265) Ponnmalar V, Janardhan Y, Hemachandar N</b>
4:15 pm- 4:30 pm	Numerical Study of the Effect of Boundary Conditions on Buckling Behaviour of Flat Oval LDSS Stub Column under Axial Compression, <b>(SEC- 507) Khwairakpam Sachidananda, Konjengbam Darunkumar Singh</b>	Strengthening of Prestressed Girder with External Prestressing, <b>(SEC- 423) S. Saibabu, P. Srinivasan, J. Prabhakar</b>	Equations to Evaluate Period of Vibration in Seismic Analysis, <b>(SEC- 357) Prakash Sangamnerkar, S.K. Dubey</b>	Carbonation, Shrinkage and Long Term Studies on Recycled Aggregate Concrete, <b>(SEC- 239) Bhashya V, Bharatkumar BH</b>
4:30 pm- 4:45 pm	HDMM Based Bayesian Structural System Identification, <b>(SEC- 240) Shereena O A, B N Rao</b>	Flexural Behaviour of Severely Damaged RC beams Strengthened with Ultra-High Strength Concrete, <b>(SEC- 748) A Ramachandra Murthy, P Ganesh, G. N. Sakthi Priya</b>	Steining Thickness of Well Foundation for Jack down Method of Sinking, <b>(SEC- 188) Amar Pal Singh, Renu Singhal, Umer Farooq</b>	Durability and In-situ Performance Evaluation of Sustainable Recycled Aggregate Concrete using Fluorogypsum as Cementitious Binder, <b>(SEC- 804) Monalisa Behera, Minocha A.K, Bhattacharyya S.K, Rajesh Dealiya</b>
4:45 pm- 5:00 pm	Adaptive Metamodel Based Efficient Robust Design Optimization of Offshore Structure under Stochastic Wave Loading, <b>(SEC- 250) G Datta, S Bhattacharjya, S Chakraborty</b>	Retrofitting of Bridges Affected during Seismic Activity, <b>(SEC- 456) Vinay Gupta</b>	Ultimate Strength Prediction of Concrete Filled Steel Tubular Columns, <b>(SEC- 349) Lemya Musthafa, Sunitha Rani C.M., Smitha.K.K</b>	Mechanical Properties of PVA and Polyester Fibers based Engineered Cementitious Composites, <b>(SEC- 248) S B Singh, Pankaj Munjal,</b>
5:00 pm- 5:15 pm	Single Brace Shear Fuse for Seismic Retrofit of Deficient Concrete Structures –Proof of Concept, <b>(SEC-595) Saptarshi Sasmal</b>	Comparison of Modal Behaviour of Integral Abutment Bridge With And Without Soil Structure Interaction, <b>(SEC- 669), Sreya Dhar, Kaustubh Dasgupta</b>	Numerical Study on Flexural Capacity of Biaxial Hollow Slab, <b>(SEC- 394) Sagadevan R, Nageswara Rao B</b>	Strength and Elastic Properties of Block Masonry Made with Substitutes to River Sand in Mortar, <b>(SEC- 271) Pavan J, Mangala Keshava, Shrinath</b>
5:15 pm- 5:30 pm	Shear Strength Of Semi Corrugated Webbed Beam, <b>(SEC- 282), Anjaly J Pillai, Laxmikant M Gupta</b>	Relation between Cantabro Loss and Flexural Strength of Fly ash Roller Compacted Concrete Pavement, <b>(SEC- 193) S Krishna Rao, P Sravana, T Chandrasekhar Rao</b>	Assessment of Response Reduction Factor for Reinforced Concrete Frame Buildings in a Probabilistic Seismic Risk Framework, <b>(SEC-672) Prakash Badal, Ravi Sinha</b>	Smart Building Materials for Construction, <b>(SEC- 275) Harish C, Sreelakshmi G, Asha M N, I C Lakshmi, Manikandan R</b>
5:30 pm- 5:45 pm	Thermal Stress Analysis Of Isotropic Thick Beam By Using Hyperbolic Shear Deformation Theory, <b>(SEC- 284) V. G. pardeshi, G.R. Gandhe, D.H. Tupe</b>	Flexural behaviour of reinforced concrete beams containing marble slurry, <b>(SEC-821), Praveen Kumar, Anju Khandelwal</b>	Influence of Random Variation of Material Properties on Inter-Story Drift of RC Frame Buildings, Ashish Sapre, <b>(SEC-674) Ravi Sinha</b>	Study on Flexural Behaviour of Geogrid Confined Beams with Polypropylene Fiber, <b>(SEC- 286) Sherry Rose Jose, Bindu S</b>
5:45 pm- 6:00 pm	Dynamic Analysis of a Three - Legged Articulated Offshore Structure using 'ANSYS AQWA', <b>(SEC- 350) Sai Nath S., Anitha Joseph, Chinsu Mereena Joy</b>			Influence of Silica Fume on Durability Properties of Concrete with Fly Ash, <b>(SEC- 312) Seshasayee V, B.H.BharathKumar, P.Gajalakshmi</b>

DAY 2: 22-12-2016			
9.00 am - 10.30 am		Date: 22-12-2016 Technical session -5 (PLENARY Lectures) Venue: Vigyan Auditorium	
		Chair: Prof. Nimal Rajapakse	Co-chair: Prof. Tarun Kant
9:00 am- 9:45 am	Prof. S. Gopalakrishnan, IISc, Bangalore	Role of Simulations in Structural Health Monitoring	
9:45 am-10:30 am	Prof. Sri Sritharan, Iowa State Univ, USA	Recent Advances in Seismic Design of Precast Concrete Walls	
10:30 am - 11:00 am		Tea	

22-12-2016 Technical Session 6 (Contributory Papers) Venue: TDC			
11.00 am - 1.00 pm	Hall 1: Wind and Earthquake Engineering-3	Hall 2: Vibration Control and Smart Structures-3	Hall 3: Structural Health Monitoring & Condition Assessment and Performance Evaluation -3
	Chair: Prof. Meher Prasad Co-chair: Prof. Amalan Sen Gupta	Chair: Prof. Subrata Chakraborty Co-chair: Prof. Chirag Patel	Chair: Dr. N. Gopalakrishnan Co-chair: Prof. Nagamani
11:00 am-11:15 am	Correlating Peak Ground A/V Ratio with Ground Motion Frequency Content, (SEC- 338) <b>Rahul Garg, Jaya Prakash Vemuri, Subramaniam V.L. Kolluru</b>	Parallel Structures Connected by Viscous Damper Subjected to Random Excitation, (SEC- 310) <b>C.C. Patel</b>	Analytical Investigations on Structural Damage Identification using Torsional Wave Propagation, (SEC- 191) <b>Varun Kumar K, Jothi Saravanan T, Gopalakrishnan N, Mini K M</b>
11:15 am-11:30 am	Estimation of Peak Factors for Tall Buildings subjected to Wind Induced Pressures, (SEC- 561) <b>Keerthana M, Harikrishna P</b>	Three Dimensional Finite Element Simulation of Isolated Floor Slab with Friction Contact Surface, (SEC- 207) <b>Kamatchi Palaniyandi, Cheran Pandian S., Ezhilarasi N., Balaji Rao K.</b>	Handling Environmental and Operational variations in Structural Health Monitoring, (SEC- 381) <b>Lakshmi K, Rama Mohan Rao A</b>
11:30 am-11:45 am	Seismic Behavior of Beam-Column Sub-Assemblages Designed according to Different Evolution Stages of Design Philosophies, (SEC- 566) <b>Kanchana Devi A, Ramanjaneyulu K</b>	Experimental Investigation of the Effect of Temperature on the Characteristics of MR Damper, (SEC- 512) <b>Bharathi Priya C, Gopalakrishnan N</b>	Advanced NDT for Condition Assessment of a Masonry Heritage Structure, (SEC- 407) <b>Bhaskar Sangoju, Ramanjaneyulu K</b>
11:45 am-12:00 pm	Along Wind Response of Communication Tower, (SEC- 375) <b>Nikhil Dhandar, A. Y. Vyavahare, Trupti Nikose</b>	Seismic Response of Single Degree Of Freedom System with Shape Memory Alloy Damper, (SEC- 643) <b>Thamaraiselvi K, Gopalakrishnan N</b>	Evaluation of Temperature Distribution on RCC Beams subjected to Elevated Temperatures, (SEC- 757) <b>Anand. N, Samlal Isravel, Prince Arulraj</b>
12:00 pm-12:15 pm	Seismic Performance of Viscous Damper Connecting Adjacent Structures Supported on Different Types of Soil, (SEC- 485) <b>M. H. Chag, C.C. Patel</b>	Mitigation of Structural Pounding by the Tuned Mass Damper, (SEC- 352) <b>Mrinmoy Das, Aparna (Dey) Ghosh</b>	Free Vibration and Damage Detection Analysis of a Cracked Beam using a Wireless Sensor Network, (SEC- 799) <b>Rohan Pendke, Shrirang Kamble, Abhay Bambole</b>
12:15 pm-12:30 pm	A Comparative Study of the Seismic Provisions of Indian Seismic Code IS 1893-2002 and Draft Indian Code IS 1893-2016, (SEC- 516) <b>Lipika Halder, Rita Debnath.</b>	Energy Harvesting from Dynamic Vibration Pendulum Absorber, (SEC- 680) <b>P.V. Malaji, M. Rajarathinam V. Jaiswal, S.F. Ali, I.M. Howard</b>	Vibration-based Health Monitoring and Damage Detection of Steel Beam, (SEC- 517) <b>Rajeev Kumar Garg, Prince Thankachan, Amal Raj</b>
12:30 pm-12:45 pm	Soil Structure Interaction on Building Frame under Earthquake Loading, (SEC- 584) <b>Subhra de, Nirjhar Dhang</b>	Seismic Protection of Adjacent Structures Connected by Lead Extrusion Damper, (SEC- 481) <b>B. B. Sobhana, C. C. Patel</b>	Structural Health Assessment of a Building Housing Nuclear Experimental Facility, (SEC- 573) <b>T Nagender, Y M Parulekar, G R Reddy</b>
12:45 pm-1:00 pm	Effect of Noise on Vortex Induced Vibrations of Circular Cylinders, (SEC- 591) <b>Aswathy M S, Sunetra Sarkar</b>	Semi-Active Control of Structures using Magnetorheological Elastomer based Seismic Isolators and Sliding Mode Control, (SEC- 525) <b>Balamonica K, Sathish Kumar K, Gopalakrishnan N</b>	Bond Performance of Pretensioned Concrete Systems, (SEC- 827) <b>Prabha Mohandoss, Sriram K Kompella, Radhakrishna G. Pillai</b>

22-12-2016 Technical Session 6 ( Contributory Papers) Venue: TDC				
11.00 am - 1.00 pm	Hall 4: Computational Structural Mechanics-3	Hall 5: Composite Materials and Structures-1	Hall 6: Analysis and Design of Concrete Structures-3	Hall 7: New Building Materials for Sustainable Construction-3
	Chair: Prof. M. Saravanan Co-chair: Prof. G. Gandhe	Chair: Dr. M. Manju Prasad Co-chair: Prof. Chaitali Ray	Chair: Prof. K.V.L. Subramaniam Co-chair: Prof. K.C. Pazhani	Chair: Dr. B.S. Sharma Co-chair: Prof. K. Chinnaraju
11:00 am-11:15 am	Thermoelastic Stress Analysis of Rectangular Plate by Using Integral Transform Technique, <b>(SEC- 304) G. R. Gandhe, Y. M. Ghugal, V. S. Kulkarni</b>	A Finite Element Model Based Sensitivity Analysis of Deep and Moderately Thick Cross-Ply Laminated Shell Structure, <b>(SEC- 259) S N Thakur, C Ray, S Chakraborty</b>	Pylon Shape Analysis of Cable Stayed Bridges, <b>(SEC- 453) Sharath Ramesh, Ingle R.K</b>	Nanomaterials: A New Approach to Sustainable Infrastructure, <b>(SEC- 309) Geetika Mishra, L. P. Singh, Saurabh Ahalawat</b>
11:15 am-11:30 am	Computational Modeling of Cement Hydration to Evaluate the Mechanical and Transport Properties, <b>(SEC- 712) Sindu B S, Radha M, Saptarshi Sasmal</b>	Nonlinear Dynamic Analysis of Hygro-Thermo-Elastic Composite Conical Shell Panels, <b>(SEC- 263) C. K. Kundu</b>	Creep and Shrinkage models for Concrete: Comparative Study, <b>(SEC- 433) M. N. Shariff, Devdas Menon</b>	Effects of Steel Fibre on Self Compacting Concrete with Fly Ash, <b>(SEC- 329) Gaurav Udgata, Ashoke Kumar Rath</b>
11:30 am-11:45 am	Non-Linear Static Analysis of Offshore J Lay Risers using Finite Element Method, <b>(SEC- 620) Madhuri. S., Narendra Kumar. B., Venkateswara Rao. K</b>	Static Response of Thin Walled CNT Reinforced Laminated Composite Box Beam, <b>(SEC- 162) Tushar Sharma, V Murari, K K Shukla</b>	Issues on Design Shear Strength of RC Deep Beams, <b>(SEC- 411) J. Leon Raj, G. Appa Rao</b>	Effect of Nanosilica and Microsilica on Bond and Flexural Behaviour of Reinforced Concrete, <b>(SEC- 430) Lincy Varghese , VVL.Kanta Rao, Lakshmy Parameswaran</b>
11:45 am-12:00 pm	Failure Analysis of Composite Cylindrical Shells Using Continuum Damage Mechanics, <b>(SEC- 333) Maharshi Kintada, Arbind Kumar Singh</b>	Assessment of An Efficient and Simple Hyperbolic Higher-Order Shear And Normal Deformation Theory For Functionally Graded Plates, <b>(SEC- 176) Ankit Gupta, Mohammad Talha</b>	Comparative Study of Flat Slab-Column Connection Techniques for Seismic Loading, <b>(SEC- 470) Aastha Mahajan, Ratnesh Kumar , Onkar Kumbhar</b>	Evaluation of Mechanical Properties of GGBS Incorporated Ultra-High Strength Steel Fibre Reinforced Concrete, <b>(SEC- 500) P Ganesh, Smitha Gopinath, A Ramachandra Murthy</b>
12:00 pm-12:15 pm	A New Elastic Constitutive Relation for Plain Concrete, <b>(SEC- 374) C. Gokulnath, U Saravanan</b>	Hygrothermal Free Vibration Analysis of FRP Bridge Deck Using Higher Order Shear Deformation Theory, <b>(SEC- 203) Moumita Sit, Chaitali Ray</b>	Comparative Study of 1D and 2D Simulation Models of Hollow RC Bridge Columns under Reversed cyclic loads, <b>(SEC- 490)Vijay Kumar Polimeru, Abhideep Sahu, Arghadeep Laskar</b>	An Experimental Investigation to Determine the Properties of Fly Ash Based Geopolymers as per Indian Standards, <b>(SEC- 199) Suman Saha, Rajasekaran C</b>
12:15 pm-12:30 pm	Static Analysis of Functionally Graded Piezoelectric Plate, <b>(SEC- 403) S. S. Sawarkar, S. S. Pendhari, Y. M. Desai</b>	Experimental Verification of Free Vibration Analysis of Stiffened Plate Considering FSDT and HSDT, <b>(SEC- 210) Dhiraj Biswas, Moumita Sit, Chaitali Ray</b>	Bond Behaviour of Recycled Aggregate Concrete, <b>(SEC- 803) Surya M, Lakshmy P, Rao VVLK</b>	Experimental Studies on Physical Properties and Strength Response Of Construction and Demolition Wastes, <b>(SEC- 131) Ashok Kumar Suluguru, Arkamitra Kar, Anasua Guharay, Naveen James.</b>
12:30 pm-12:45 pm	Free Edge Effects in Piezolaminated Composite Panels under Electric Potential Loading, <b>(SEC- 771) N Dhanesh, Santosh Kapuria</b>	Dynamic Buckling of Laminated Composite Curved Panels Subjected to In-Plane Compression, <b>(SEC- 262) Vasanth keshav, Shuvendu Narayan Patel</b>	Robust Optimal Design of Buried Reinforced Concrete Pipe in Trenchless Construction under Bounded Type Uncertainty Considering Seismic Load, <b>(SEC- 319) S Mukherjee, P K Shaw, G Datta, S Bhattachariya, S Ghosh</b>	Investigation on characteristics of Spinaciaoleracea as an Innovative Internal curing agent in combination with Self-Compacting admixtures, <b>(SEC- 331), Rampradheep G.S, Sivaraja M, Geetha M, Saranya R, Sathish R, VigneshV, Kavin G, Gayathiri K, Balaji M, Divya R</b>
12:45 pm-1:00 pm	A Numerical Study on the Behaviour of Reinforced Concrete Slab Strengthened with FRP Laminates using Finite Element Approach, <b>(SEC- 436) Falguni Shit, Subhashish Roychowdhury</b>	Glass Fibre Reinforced Gypsum Panels for Sustainable Construction, <b>(SEC- 590) Gouri Krishna S R, Philip Cherian, Devdas Menon, A Meher Prasad</b>	Response of RC Structural Elements with Laced Reinforcement, <b>(SEC- 563) V. Sai Venkata Ramanjaneyulu, G. Papa Rao</b>	Recycled Aggregate Concrete: Particle Packing Method (PPM) of Mix Design Approach, <b>(SEC- 431) Subhasis Pradhan, Shailendra Kumar, Sudhirkumar V Barai</b>
1.00 pm – 2:00 pm		Lunch		



2.00 pm – 3.00 pm		Date: 22-12-2016 Technical session -7 (Invited Lectures)		Venue: TDC	
		Hall 1		Hall 2	
		<b>Chair:</b> Prof. Nimal Rajapakse <b>Co-chair:</b> Prof. S.R. Satish Kumar		<b>Chair:</b> Prof. Sri Sritharan <b>Co-chair:</b> Prof. R. Senthil	
2.00 pm – 2.30 pm		Sustainable Civil Infrastructure: The New and the Ageing, <b>Prof. Abhijit Mukherjee, Curtin Univ., Australia</b>		Distress in Concrete Pavements: Causes, Prevention and Remedies, <b>Dr. V. Ramachandra , Ultra Tech, India</b>	
2:30 pm – 3:00 pm		Foster Mega Projects Construction in India through Need Based Contemporary Technology and Research, <b>B.S. Sharma, L&amp;T</b>		Shear behaviour of steel fiber Reinforced Concrete, <b>Prof. K.V.L. Subramaniam, IIT Hyderabad</b>	
<b>3:00 pm – 3:30 pm</b>		<b>Tea</b>			
		22-12-2016 Technical Session 8 ( Contributory Papers)		Venue: TDC	
<b>3.30 pm - 5.30 pm</b>		Hall 1: Wind and Earthquake Engineering-4		Hall 2: Analysis and Design of Steel Structures-1	
		<b>Chair:</b> Prof. K.P. Jaya <b>Co-chair:</b> Prof. Manoj Kumar (BITS, Pilani)		<b>Chair:</b> Prof. S.R. Satish Kumar <b>Co-chair:</b> Prof. H. Jane Helena	
3:30 pm – 3:45 pm		Role of soil Stiffness on Seismic Response of Framed Structures, <b>(SEC- 718) T.Santhi, S.Yogesh , K. Muthumani</b>		Investigation on Cold-Formed Steel Single and Built-up Angles under Axial Compression, <b>(SEC- 138) G. Beulah Gnana Ananthi</b>	
3:45 pm – 4:00 pm		Wind Tunnel Investigations on a Tall Building with Elliptic Cross-section, <b>(SEC- 706) Abraham A, Selvi Rajan S, HariKrishna P, Ramesh Babu G</b>		Behaviour of Cold-Formed Steel Beam-Column Joints Wrapped with Latex, <b>(SEC- 144) Rajiv Gandhi, Joanna P S, Jane Helena H</b>	
4.00 pm- 4:15 pm		Pushover Analysis of RCC Frames based on Stress-Strain Model of Concrete in IS:456-2000 <b>(SEC- 599) Soumyan K, Deepa Balakrishnan</b>		Identification of Semi- Rigid Joints in Steel Frame Structures using Vibration based Technique, <b>(SEC- 801) Joy Pal, Sauvik Banerjee</b>	
4.10 pm- 4:30 pm		Seismic Behaviour of RC Slab-Shear Wall Assemblage using Non-Linear Static and Dynamic Analyses, <b>(SEC- 594) Snehal Kaushik, Kaustubh Dasgupta</b>		Moment Rotation Response for Semi Rigid Connections, <b>(SEC- 371) Venkatesh Patnana, A Y Vyavahare , L M Gupta</b>	
4.30 pm- 4:45 pm		Seismic Earth Pressure Computation: Redistribution Principle Theory, <b>(SEC- 598) Amol Maskar, Suhasini Madhekar, Dipak Phatak</b>		Moment-Rotation Behavior of Stainless Steel Beam-Column Bolted Connection, <b>(SEC- 451) V. S. Bhavsar, B. M. Dawari, B. R. Inani</b>	
4:45 pm- 5:00 pm		Importance of Inclusion of Soil Structure Interaction Studies in Design Codes, <b>(SEC- 633) Nishant Sharma, Kaustubh Dasgupta, Arindam Dey</b>		SVM Based Analysis of Block Shear Strength of Tension Members, <b>(SEC- 527) Ankamreddi Satyaveni, CH. Suryanarayana, Venkat Lute</b>	
5:00 pm- 5:15 pm		Effect of Soil Flexibility on Indian Code Designed RC Buildings, <b>(SEC- 642) R. Barman, L. Halder</b>		Semi-Elliptical LDSS Hollow Stub Columns Under Axial Compression, <b>(SEC- 582) Tekcham Gishan Singh, Konjengbam Darunkumar Singh</b>	
5:15 pm- 5:30 pm		Evaluation of Sloped Bottom Tuned Liquid Damper for Mitigation of Seismic Response of Frame Structure, <b>(SEC- 646) G R Patil, D K Singh, B Nanda</b>		Assessment of Load Carrying Capacity of Thin-webbed Castellated Beams, <b>(SEC- 619) A. Cyril Thomas, K. Baskar</b>	
		<b>Hall 3: Structural Health Monitoring &amp; Condition Assessment and Performance Evaluation-4</b>			
		<b>Chair:</b> Prof. Abhijit Mukherjee <b>Co-chair:</b> Prof. Amlan K. Sengupta			
		Ultrasonic Pulse Velocity Method for Evaluation of Concrete Quality-Limitations and Critical Analysis, <b>(SEC- 452) Vimal Mohan, P. Srinivasan, S. Saibabu</b>			
		Experimental and Numerical Investigations on Flexural Deficient and CFRP Strengthened RC Beams, <b>(SEC- 460) Nawal Kishor Banjara, K. Ramanjaneyulu</b>			
		Reconstruction of Faulty Sensor Data In Time Domain, <b>(SEC-790) Rama Mohan Rao, A., Lakshmi, K., Harshil Khimesara</b>			
		Influence of Corrosion on the Seismic Vulnerability of a Low Rise Poorly Constructed RCC Building, <b>(SEC- 675) Jensen Daniel, Ravi Sinha</b>			
		An Assessment of the Deterioration of Flexural Capacity of Pretensioned Concrete Girder Due to Strand Corrosion, <b>(SEC- 311) Resmi G, Amlan K Sengupta, Radhakrishna G Pillai</b>			
		Seismic Fragility Analysis of Buildings on Steep Slopes, <b>(SEC- 412) M. Surana, Y. Singh, D. H. Lang</b>			
		Seismic Fragility Analysis of Highway Bridges in India Considering Evolution of Codal Provisions - A Case Study, <b>(SEC- 155) Shivang Shekhar, Jayadipta Ghosh</b>			
		Seismic Signal Analysis of Designed FBG Accelerometer, <b>(SEC- 679) Umesh Tiwari, Ripul Ghosh, Vipender Negi, Aparna Akula, Amit Pandey, Ashish Gaurav, Satish Kumar</b>			

22-12-2016 Technical Session 8 ( Contributory Papers) Venue: TDC				
3.30 pm - 5.30 pm	Hall 4: Computational Structural Mechanics-4	Hall 5: Composite Materials and Structures-2	Hall 6: Analysis and Design of Concrete Structures-4	Hall 7: New Building Materials for Sustainable Construction-4
	Chair: Prof. B.N. Rao Co-chair: Prof. Job Thomas	Chair: Prof. Devdas Menon Co-chair: Prof. Rahima Shabeen (Anna Univ)	Chair: Dr. V.N. Heggede Co-chair: Prof. Sree Rama Chandra Devalraju	Chair: Prof. V. Rama Chandra Co-chair: Prof. K.C. Panda
3:30 pm – 3:45 pm	Effect of Support Settlement on the Behaviour of Stone Masonry Arch Bridge, (SEC- 756) <b>T. P. Vijayalekshmi, Job Thomas</b>	Experimental and numerical studies on flexural behaviour of steel-foam concrete composite panels, (SEC- 691) <b>Prabha P, Palani G.S, Senthil R</b>	Stress in Unbonded Tendons for Post-tensioned Concrete Members -Assessment of Prediction Equations and Experimental Investigation, (SEC- 686) <b>R. Manisekar , K. Saravana Kumar</b>	A study on properties of copper slag as partial replacement of fine aggregate with different percentages in concrete, (SEC- 343) <b>J. Ushakranti, K. Srinivasu, A. Nagasai</b>
3:45 pm – 4:00 pm	Uncertainty Analysis of Hygro-Thermo-Mechanical Behaviour of Concrete, (SEC- 468) <b>V. Svetha, D. Harinadha Reddy, Ananth Ramaswamy</b>	Finite Element Analysis of Functionally Graded Plates Under Static Mechanical Load, (SEC- 322) <b>Arnab Roy, D K Jha, G R Reddy, K Srinivas</b>	Various aspects of proportioning reinforced concrete two pile caps, (SEC- 467) <b>Murty Sree Rama Chandra Devalraju, Dinakar Pedapenki</b>	Effect of Silpozz on Fresh and Hardened Properties of Recycled Aggregate Concrete, (SEC- 568) <b>K C Panda.</b>
4.00 pm- 4:15 pm	Prediction of Compressive Strength of Concrete: Machine Learning Approaches, (SEC- 474) <b>Dipro Dutta, Sudhirkumar V Barai</b>	Experimental Study on the Behaviour of FRP Confined RCC Columns, (SEC- 602) <b>Balamurugan R, chinnaraju K, Senthilkumar, S.R.R</b>	Influence of Shear Core Curtailment on the Structural Response of Core Wall Structures, (SEC- 521) <b>Nishant Rathi, G. Muthukumar, Manoj Kumar</b>	A Study on Compressive Strength and Corrosion Behaviour of Reinforcing Steel in Chloride Contaminated Fly Ash Based Geopolymer Concrete, (SEC- 494) <b>Sathishraj Mani, Bulu Pradhan</b>
4.10 pm- 4:30 pm	Two-dimensional mesoscale compressive damage analysis of CT images of a concrete cube, (SEC- 605) <b>Vinay Kumar S, Nirjhar Dhang</b>	Shear Behaviour of Hybrid Fibre Reinforced Concrete with Steel and Polypropylene Fibre, (SEC- 344) <b>Lavanya S, Sulphia Beevi U</b>	Comparative Study of Different Foundation and Side Wall Systems for Large Storage Tanks, (SEC- 495) <b>T. Pavan Kumar, G. Papa Rao, P. Veerabhadra Rao</b>	Study on Strength Reduction Factor of Blended Concrete Exposed to Sea Water, (SEC- 537) <b>T. Jena K. C. Panda</b>
4.30 pm- 4:45 pm	Estimation of Modal Characteristics of a Reduced Order Fluid Structure Interaction System, (SEC- 668) <b>Hridya P Lal, W. Dheelibun Remigius, Sayan Gupta, Sunetra Sarkar</b>	Flexural Behaviour of Hybrid Fibre Reinforced Concrete with Steel and Carbon Fibres, (SEC- 351) <b>Subi S, Sulphia Beevi U</b>	Assessment of Strut-and-Tie Methods to Estimate Ultimate Strength of RC Corbels, (SEC- 544) <b>Adrija D, Indu Geevar, Devdas Menon, A. Meher Prasad</b>	Influence of Fly Ash and Silpozz on the Concrete Containing Crusher Dust as Sand Replacement Material, (SEC- 556) <b>S. Jena, K. C. Panda</b>
4:45 pm- 5:00 pm	A Simple NURBS Finite Element for 2D Sloshing Analysis, (SEC- 698) <b>Mrityunjoy Mandal, Shaikh Jahangir Hossain</b>	A Three-dimensional Numerical Model for Failure Behavior and Bearing Strength Analysis of Multi-Bolt FRP Composite Joints, (SEC- 367) <b>B. Mandal, A. Chakrabarti</b>	Locations of Balance Points on Design and Actual P-M Interaction Curves for RC Sections, (SEC- 593) <b>Piyush Mehta, Sumit Kumar, Vikash Kumar, Sunil Bandawala, Kaustubh Dasgupta</b>	Influence of Metakaolin and Silpozz on development of High Strength Concrete, (SEC- 564) <b>P. Sarangi, K.C. Panda</b>
5:00 pm- 5:15 pm	Coherency Model for Dense Seismic Array, (SEC- 736) <b>Gopala Krishna Rodda, Dhiman Basu</b>	Analysis of Laminated and Sandwich Shells Using a Higher-Order Layerwise Theory, (SEC- 441) <b>Shashank Pandey, S Pradyumna.</b>	Seismic retrofitting using the concept of coupling two adjacent buildings, (SEC- 174) <b>M. Abdeddaim, A.Ounis, S. D. Bharti, M.K. Shrimali</b>	Influence of Particle Packing Method on Sustainable Concrete Using Fly Ash and Recycled Aggregates, (SEC- 577) <b>Sushree Sunayana, Sudhirkumar V Barai</b>
5:15 pm- 5:30 pm	Seismic Performance of Yielding Shear Panel Device (YPSD), (SEC- 823) <b>Mrinmoy Nath, Anjan K Bhowmick</b>	Exact Analysis of Layered Plates Using Mixed Form of Hooke's Law, (SEC- 796) <b>Ambadas Waghmare, Daniel Koothoor, Dhruv Shah, Kinal Bid, Raghav Agarwal, Rahul Ghadwal, Snehal Sonawane, Viraj Sanghvi, Abhay Bambole</b>	Detailing of Stirrup Reinforcement along the Span and Across the Width of Reinforced Concrete Beams, (SEC- 446) <b>Gorle PapaRao</b>	Role of Self Curing Compounds in Self Compacting Concrete, (SEC- 432) <b>M. Sri Rama Chand, P. Rathish Kumar, P.S.N.R. Giri, G. Rajesh Kumar</b>



DAY 3: 23-12-2016		
9.00 am - 11.15 am	Date: 23-12-2016 Technical session -9 (PLENARY Lectures) Venue: Vigyan Auditorium	
Chair: Prof. Sri Sritharan Co-chair: Prof. Amlan K. Sengupta		
9.00 am- 9.45 am	Prof. V. Kalyanaraman, IITM Chennai	Research in Structural Steel in the Past Decade – an Experience
9.45 am-10.30 am	Dr. S. Gomathinayagam, NIWE Chennai	Structural Design Challenges and Opportunities in Wind Power Plants
10:30 am-11:15 am	Mr. G. Kanappan, L&T Chennai	Industry's Expectation of R&D in Structural Engineering
11.15 am - 11.45 am	Tea	

23-12-2016 Technical Session 10 ( Contributory Papers)			Venue: TDC
11.45 am - 1.30 pm	<b>Hall 1: Behaviour of Structures under Blast/Impact Loading-1</b>	<b>Hall 2: Analysis and Design of Steel Structures-2</b>	<b>Hall 3: Condition Assessment and Performance Evaluation-1</b>
	Chair: Prof. Abhijit Mukherjee Co-chair: Prof. R. Vidjeapriya (Anna Univ.)	Chair: Prof. Arul Jayachandran Co-chair: Prof. G.Beulah Gnana Ananthi	Chair: Prof. Rupen Goswami Co-chair: Prof. Radhika Bayya
11:45 am- 12:00 pm	Numerical Simulation of Underwater Explosion at Near Free Surface, (SEC- 622) <i>Eswaran M, Amey L, GR Reddy</i>	Comparative Study of Fire resistant Design of Steel Structures as per IS800:2007, AS4100:1998, AISC360:2010 AND EN1993-1-2 (SEC- 167) <i>Dhara Shah, Janak Shah</i>	Partial Factors for Safety Assessment of T-Girder of RC Bridges Subjected To Chloride Induced Corrosion against Shear Limit State, (SEC- 592) <i>Yogalakshmi N J, K Balaji Rao, M B Anoop</i>
12:00 pm- 12:15 pm	Studies on Low Velocity Impact Behaviour of Fibre Reinforced Cementitious Composite Structural Elements, (SEC- 683) <i>Amar Prakash, Anandavalli N, Rajasankar J.</i>	Identification of Parameter of Truss Structure by Limited Static Strain Measurement, (SEC- 819) <i>Debasish Bandyopadhyay, Sumit Saha, Tanvir Sohail</i>	Evaluation of IS-1893 Based Design Using the Performance Based Earthquake Engineering Framework, (SEC- 356) <i>Bharat Reddy G, Radhika B</i>
12:15 pm- 12:30 pm	Numerical Investigation on the flexural performance of Laced Steel Concrete Composite (LSCC) one-way slab system, (SEC- 687) <i>Gobinath G, Mohit Verma, Anandavalli N</i>	Steel-Concrete Composite Construction in Indira Pariyabaran Bhawan at New Delhi – A Case Study, (SEC- 437) <i>A Guha</i>	Seismic Fragility of Reinforced Concrete Frames with Vertical Irregularities, (SEC- 469) <i>T. Choudhury , H.B. Kaushik</i>
12:30 pm- 12:45 pm	Influence of Fluid-Structure Interaction in the Dynamic Response of the Free Standing Submerged Cluster Members under Transient Loading, (SEC- 670) <i>R. Suresh Kumar, P. Chellapandi, P. Puthiyavinayagam</i>	Behaviour of Cold Formed Steel Modified Channel Sections under Eccentric Compressive Load, (SEC- 524) <i>Rahima Shabeen S, Gowtham S</i>	Seismic Damage Evaluation of Indian Code Designed RC Buildings Using Non-Linear Static Method, (SEC- 462) <i>Santanu Paul, Lipika Halder</i>
12:45 pm- 1:00 pm	Study of reinforced concrete column subjected to blast loading, (SEC- 190) <i>P J Shukla, A K Desai, C D Modhera</i>	Behaviour of Cold-Formed Steel Box and Built-up I-section under Compression, (SEC- 143) <i>G. Beulah Gnana Ananthi</i>	Effect of soil-foundation nonlinearity on capacity spectrum of a RC building with isolated foundations, (SEC- 487) <i>Dhiraj Raj, Yogendra Singh</i>
1:00 pm - 1:15 pm	Analytical Model for Failure of Clamped Beam Subjected to Projectile Impact, (SEC- 538) <i>S. Sen, A. Shaw</i>	Effects of column to beam strength ratio on behavior of beam to column moment joints, (SEC- 173) <i>Arnav Anuj Kasar, S. D. Bharti, M. K. Shrimali, Rupen Goswami</i>	Change in microstructure properties of concrete on accelerated carbonation, (SEC- 305) <i>VVineet Shah, Geetika Mishra, Anuj Parashar, Shashank Bishnoi.</i>
1:15 pm - 1:30 pm	Crushing analysis of tapered circular corrugated tubes subjected to impact loading, (SEC- 588) <i>Sharad Rawat, A K Upadhyay, K K Shukla</i>	Twilight-IITM- a computational utility for elastic buckling stress predictions of cold-formed steel elements, (SEC-820) <i>Ajeesh SS, Arul Jayachandran</i>	Cyclic Behavior of Retrofitted Reinforced Concrete Coupling Beams, (SEC- 529) <i>Romanbabu M. Oinam, P. C. Ashwin Kumar, Dipti Ranjan Sahoo, Kaushik Maran</i>

23-12-2016 Technical Session 10 ( Contributory Papers)					Venue: TDC				
11.45 am - 1.30 pm		Hall 4: Computational Structural Mechanics-5		Hall 5: Composite Materials and Structures-3		Hall 6: Analysis and Design of Concrete Structures-5		Hall 7: New Building Materials for Sustainable Construction-5	
		Chair: Prof. B.N. Rao Co-chair: Prof. Saravanan		Chair: Prof. Satish kumar Co-chair: Prof. G. Jyothi Kumari		Chair: Prof. Devdas Menon Co-chair: Prof. K. Chinnaraju		Chair: Prof Rajamane Co-chair: Prof. K. Ramujee	
11:45 am-12:00 pm		A Quadrilateral Finite Element Based on Third Order Theory for Free Vibration Analysis of Composite Beams and Plates Containing Delaminations, (SEC- 719) <b>Adnan Ahmed, Santosh Kapuria</b>		Flexural Behavior of Concrete Sandwich Panels under Punching Load and Four-Point Bending – Experimental and Analytical Study, (SEC- 502) <b>J. Daniel Ronald Joseph, J. Prabakar, P. Alagusundaramoorthy</b>		Effect of Skewness on Shear Lag Effect in RC Box Girder Bridges, (SEC- 653) <b>Manoj Kumar, Nitin Gulhane, Tanmay Gupta</b>		Recycling of Plain Cement Concrete Waste, (SEC- 613) <b>P.P. Vadnere, I. A Shah</b>	
12:00 pm-12:15 pm		Three Dimensional Analytical Solution For FGM Plate With Varying Material Properties Inplane Directions Using Extended Kantorovich Method, (SEC-754) <b>Poonam Kumari, Agyapal Singh</b>		Bond Behaviour of Externally Bonded FRP under Cyclic Loading, (SEC- 589) <b>G. Ramesh, Ravindra Gettu, B.H. Bharatkumar</b>		Precast Large Concrete Panel (PLCP) Building System for Tall Buildings - Structural Design Challenges, (SEC- 746) <b>Amit Barde, Rahul Chandrashekar, Chaitali Rathod</b>		Effect of Three Different Particle Sized Calcium Carbonate on the Properties of High Strength Concrete, (SEC- 498) <b>S. Maheswaran, A. Ramachandra Murthy, V. Ramesh Kumar Arthi Karunanithi</b>	
12:15 pm-12:30 pm		Patient-Specific Analysis of Neglected cases of Development Dysplasia of Hip, (SEC- 759) <b>DK Agrawal, R Poudel, SA Khan, A Prasad</b>		Study on Microstructure of High Strength (M100) Hybrid Fiber Self Compacting Concrete Containing Quartz Materials Subjected to Corrosion and Chloride Ingression, (SEC-392) <b>Narendra Kumar B, Krishneswar R</b>		Biaxial Effects in Unreinforced Masonry (URM) Load Bearing Walls, (SEC- 817) <b>Jacob Alex, Arun Menon</b>		Mechanical and Dynamic Properties of Fiber Reinforced Geopolymer Concrete, (SEC- 639) <b>D. Ravi Prasad</b>	
12:30 pm-12:45 pm		Numerical evaluation of cyclic performance of damaged RC frames using passive devices, (SEC- 523) <b>Romanbabu Meetei Oinam, Dipti Ranjan Sahoo</b>		Shear lag effect on buckling stress of FRP box beams, (SEC- 472) <b>Kasiviswanathan M , Akhil Upadhyay</b>		Evaluation of Minimum Flexural Reinforcement in Design of Reinforced Concrete Beams, (SEC- 464) <b>Nagesh H.E , G Appa Rao</b>		Cementitious composites for the development of alternatives to Conventional concrete, (SEC- 611) <b>Sutapa Deb, Nilanjan Mitra, Swati Roy Maitra, Subhashish Basu Majumder</b>	
12:45 pm-1:00 pm		Influence of Bracing Systems on the Seismic Pounding of High Rise Structure, (SEC-713) <b>Pallerla Sai Krishnaa, Kalyana Rama J S</b>		Study of Mechanical Properties of HSSCC with Varying Packing Factors, (SEC- 499) <b>G. Jyothi Kumari, M.V.Sheshagiri Rao, B. Chandra Sekhar</b>		Effects Of Plastic Hinge Properties In Nonlinear Static Pushover Analysis On Low-Rise Reinforced Concrete Buildings, (SEC- 285) <b>Saurav Kar, C K Kundu</b>		High Temperature Studies on the Effect of Addition of Zirconia in Alkali Activated Fly Ash (Geopolymer) and Fly Ash Blended Ordinary Portland Cement Mortar, (SEC- 618) <b>Sivasakthi M, Jeyalakshmi R, Rajamane NP, Revathi T, Dhinesh M</b>	
1:00 pm - 1:15 pm		A novel method for vibration-based damage detection in structures using marginal Hilbert spectrum, (SEC-825) <b>Timir Baran Roy, Srishti Banerji, Soraj Kumar Panigrahi, Ajay Chourasia, Lucia Tirca, Ashutosh Bagchi</b>		Effect of FRP Confinement on Behaviour of Soft Cylinders under Compression, (SEC- 789) <b>Monik Gupta, Suriya Prakash S</b>		Effect of Modeling Assumptions on Seismic Performance of RC Building, (SEC- 279) <b>Onkar G. Kumbhar, Ratnesh Kumar</b>		A Study on the strength and performance of Geopolymer Concrete subjected to Elevated temperatures, (SEC- 663) <b>G. Mallikarjuna Rao, T.D.Gunneswara Rao, M. Siva Nagi Reddy, Rama Seshu D</b>	
1:15 pm - 1:30 pm		Size Dependent Wave Propagation Response in Nanoscale Beams using Spectral Finite Element Method Incorporating Surface Energy Effects, (SEC-721) <b>Nitin Khandelwal, S. Kapuria</b>		Methods of Modifying the Microstructure of Interfacial Transition Zone, (SEC- 314) <b>Meenakshi Sharma, Shashank Bishnoi</b>		Effect of fire on Reinforced Concrete Slab – Numerical Simulation, (SEC- 236) <b>M.K. Haridharan, C Natarajan</b>		Influence on blended cement on the fresh properties of self-compacting concrete incorporating recycled aggregate, (SEC- 711) <b>Senthamilselvi R, Revathi P.</b>	
1.30 pm – 2.30 pm		Lunch							

		23-12-2016 Technical Session 11 ( Contributory Papers)		Venue: TDC
2.30 pm – 4.00 pm	Hall 1: Mitigation of Structures against Natural Hazards-1	Hall 2: Analysis and Design of Steel Structures -3	Hall 3: Durability and Performance Based Design of Structures-1	
	Chair: Dr. S. Gomithinayagam Co-chair: Prof. Surendra Nath Somala	Chair: Prof.Arul Jaychandran Co-chair: Prof. Nagamani	Chair: Prof. Amalan Sengupta Co-chair: Dr. Ananth M.	
2:30 pm – 2:45 pm	Seismic Vulnerability Assessment of Open Ground Storey Buildings, (SEC- 471) <b>G.V. Rama Rao, N. Gopalakrishnan, K. Sathish Kumar.</b>	Evaluation of Seismic Performance of Steel Plate Shear Walls arranged in Staggered Configuration, (SEC- 729) <b>Abhishek Verma, Dipti Ranjan Sahoo</b>	Degradation Kinetics of Cement-based Materials in Citric Acid, (SEC- 692) <b>Ramaswamy K P, Manu Santhanam</b>	
2:45 pm – 3:00 pm	The Effect of Macroroughness in Front of Building for Tsunami Pressure Dissipation - A Numerical Study (SEC- 237) <b>D. Ghosh, A. K. Mittal, S. K. Bhattacharyya, S. Behera</b>	Experimental studies on galvanically corroded steel angle members, (SEC- 702) <b>Cinitha A, P.K. Umsha, G.S. Palani</b>	Control of Shrinkage Cracks in Concrete - Performance Specification, Design Consideration and Construction Practice, (SEC- 760) <b>Subash T R, Dhana Sekaran B, Manoj Kumar S A, Ananth M</b>	
3:00 pm – 3:15 pm	Performance of Base Isolated Building For Extreme Earthquakes, (SEC- 267) <b>M. Bhandari, S. D. Bharti, M. K. Shrimali, T.K.Datta</b>	Limit State Design of Cold-Formed Steel Structures – Research Bases for IS: 801, (SEC-822) <b>Arul Jayachandran, V. Kalyanaraman</b>	Durability of Fly Ash Added Reinforced Concrete in Chloride and Composite Chloride-Sulfate Environment, (SEC- 489) <b>Arya Anuj Jee, Bulu Pradhan</b>	
3:15 pm – 3:30 pm	Study of Failure Behaviour using Seismic Vulnerability analysis of Urban Bridges due to Liquefaction, (SEC- 553) <b>Kashif Quamar Inqalabi, R.K. Garg, K. Balaji Rao</b>	Numerical study on cyclic response of self-centering steel buckling-restrained braces, (SEC- 705) <b>Ahmad Fayeq Ghowsi, Amanollah Faqiri, Dipti Ranjan Sahoo</b>	Corrosion Performance of Steel in Self-Compacting Concrete Exposed to Chloride Environment, (SEC- 390) <b>Smrati Jain, Bulu Pradhan</b>	
3:30 pm – 3:45 pm	Analytical Seismic Fragility Analysis of Existing Building Frame in the North Eastern India, (SEC- 334) <b>Subhojit Mukherjee, Swarup Ghosh, Shyamal Ghosh, Subrata Chakraborty</b>	Flow Characteristics of Polymer Modified Sisal Fibre Reinforced Mortar, (SEC- 739) <b>S. Priyadharshini, G.Ramakrishna</b>	Mechanical & Durability Characteristics of Self Compacting Geopolymer Concrete using Quartz Sand, (SEC- 640) <b>K. Ramujee, M. Phani Bharadwaj</b>	
3:45 pm – 4:00 pm	Jumping Ruptures for Hazard Analysis, (SEC- 747) <b>Surendra Nath Somala</b>	Effect of Graded Fibers on the Strength and Post Peak Deformation Capacity of Glass Fiber Reinforced Concrete, (SEC- 774) <b>Hanuma Kasagani, C B K Rao</b>	Performance Assessment of Reinforced Concrete Buildings with Shear Wall under Seismic Loading, (SEC- 184) <b>Prahlad Prasad, Charugulla S K Chakravarthy</b>	

23-12-2016 Technical Session 11 ( Contributory Papers)					Venue: TDC				
2.30 pm – 4.00 pm		Hall 4: Static and Vibrational Testing of Structures-1		Hall 5: Fatigue and Fracture-1		Hall 6: Advances in Construction Techniques-1		Hall 7: New Building Materials for Sustainable Construction-6	
		Chair: Prof. K.P. Jaya Co-chair: Dr. Senthil Kasilingam		Chair: Prof. R. Senthil Co-chair: Prof. Amalan Sengupta		Chair: Dr. B.S. Sarma Co-chair: Prof. Lakshmi Keshav		Chair: Prof. N.P. Rajamane Co-chair: Prof. Vijaya Bhaskara Reddy	
2:30 pm – 2:45 pm		Dynamic behaviour of freestanding spent fuel trays-stack without base locator during earthquake event, <b>(SEC- 445) Binu Kumar, OP Singh, GR Reddy, KM Singh, K Agarwal, N Gopalakrisanan</b>		Investigations on Static and Fatigue Behaviour of Concrete Beams Reinforced with GFRP Rebars, <b>(SEC- 689) P. Gandhi, DM. Pukazhendhi, S. Vishnuvardhan, M. Saravanan, G. Raghava.</b>		AAC Block Masonry with Ready Mix Mortar - An Experimental and Numerical study, <b>(SEC- 220) Deepa Doddamani, Mangala Keshava</b>		Interpretation of ASME Code Rules for Assessment of Graphite Components, <b>(SEC- 791) Deepak Kanse, I A Khan, V Bhasin, A. Rama Rao</b>	
2:45 pm – 3:00 pm		Experimental Estimation of Time Variant Structural Reliability Via Intelligent Sampling, <b>(SEC- 244) Sonal Dhanvijay, C S Manohar.</b>		Fracture Studies on Circumferentially Cracked Bi-Metallic Pipe Weld Joints under Quasi-static Cyclic Loading, <b>(SEC- 699) S. Vishnuvardhan, G. Raghava, M. Saravanan, P. Gandhi, Suranjit Kumar, P. K. Singh, S. K. Gupta, V. Bhasin</b>		Steel Fibers as Partial Shear Reinforcement in Self Compacting Concrete, <b>(SEC- 769) K Praveen, S Venkateswara Rao</b>		Performance of Mineral Admixtures on Strength Properties of Ternary Blended Concrete, <b>(SEC- 707) S Vijaya Bhaskara Reddy, P Srinivasa Rao</b>	
3:00 pm – 3:15 pm		Dynamic behaviour of turbo machinery foundation subjected to kathamandu earthquake loading, <b>(SEC- 369) Sungyani Tripathy, Atul K Desai</b>		Ratcheting Studies on Stainless Steel Straight Pipes and Elbows under Combined Internal Pressure and Cyclic Bending, <b>(SEC- 750) Raghava G., Saravanan M., Vishnuvardhan S., Gandhi P.</b>		A co-relation study between lime reactivity strength test and calorimeter for different SCMs, <b>(SEC- 308) Anuj Parashar, Vineet Shah, Geetika Mishra, Shashank Bishnoi</b>		Use of Steel Scrap Waste in High Strength Portland Pozzolana Cement based Composites, <b>(SEC- 818) Shubham Goyal, Harish K Venkatanarayanan</b>	
3:15 pm – 3:30 pm		Free Vibration Analysis of Functionally Graded Plates Using New Discrete Kirchhoff Quadrilateral Element Based on Reddy's Third Order Shear Deformation Theory Under Thermal Environment, <b>(SEC- 510) G.A. Deshpande, S.D. Kulkarni</b>		Experimental Determination of Stress Field Parameters using Digital Image Correlation, <b>(SEC- 714) Abhishek Kumar, S Vishnuvardhan, G Raghava</b>		Artificial Neural Network And Experimental Analysis Of Masonry Model Under Shaking Loading, <b>(SEC- 814) Lakshmi Keshav, V.G. Srisanthi.</b>		Shear Behaviour of Glass Fibre Reinforced Geopolymer Concrete, <b>(SEC- 808) Nithyapriya K, Subramanian K, John Britto, Muthuraj M P</b>	
3:30 pm – 3:45 pm		Cyclic Testing of Exterior Beam - Column Joint with Welded and Threaded Headed Reinforcement, <b>(SEC- 219) Vaibhav R. Pawar, Y.D. Patil, H.S. Patil, P.D. Dhake</b>		Low Cycle Fatigue and Creep-Fatigue Interaction of F-M Steels from Design and Material Perspective, <b>(SEC- 813) Vani Shankar, K Mariappan, R Sandhya, K Laha, A.K Bhaduri.</b>		Predictive Model for Ground Motion Parameters Using Artificial Neural Network, <b>(SEC- 378) Dhanya J, Dwijesh Sagar, STG. Raghukanth</b>		On the Toughness Characterization of Fibre Reinforced Concrete using Notched Beam Tests, <b>(SEC- 788) Sujatha Jose, Ravindra Gettu</b>	
3:45 pm – 4:00 pm		Behavior of Fibrous Reinforced Concrete Systems Subjected to Monotonic and Cyclic Loading, <b>(SEC- 416) Kasilingam Senthil, K.S. Satyanarayanan, S. Rupali</b>		Service Load Reliability Assessment of Steel Girder Bridges under Coupled Corrosion and Fatigue Problems, <b>(SEC- 205) Bhaskar Panchireddi , Jayadipta Ghosh</b>		Effect of Topography on Earthquake Ground Motions, <b>(SEC- 379) Anjali Dhabu, Dhanya J, STG. Raghukanth</b>		Performance Study on Ternary Blended Self Compacting Concrete for use in Repair Works, <b>(SEC- 792) Mohammed Rayyan, Jeelan Basha, M. S Haji Sheik Mohammed</b>	
4.00 pm -4.30 pm		Closing Ceremony							
		Venue: Vigyan Auditorium							
4:30 pm		High Tea							

**Poster Presentations**  
**Venue: TDC 2<sup>nd</sup> floor**

S.No	Poster ID	Theme	Title of the paper, Author
1	SEC- 222	CSM	Analytical Soil-Structure Interaction Formulations in Frequency Domain for Structures Founded on Flexible Bases, <b>Vishwajit Anand, S R Satish Kumar</b>
2	SEC- 295	CSM	Trigonometric Shear Deformation Theory For Thermal Stress Analysis Of Isotropic Deep Beam, <b>P.H. Dinkar, G.R. Gandhe, D.H. Tupe</b>
3	SEC- 297	CSM	A Hyperbolic Shear Deformation Theory for Static Flexural Analysis of Thick Isotropic Beams, <b>P. M. Pankade, D. H. Tupe, G. R. Gandhe</b>
4	SEC- 648	CSM	Force-based Seismic Evaluation of URM walls in out-of-plane action, <b>P. Pravin Kumar Venkat Rao, Yogendra Singh, Sreekanta Das</b>
5	SEC- 301	CSM	Comparison of Various Displacement Fields for Static Flexural Analysis of Thick Isotropic Beams, <b>D. H. Tupe, A. G. Dahake</b>
6	SEC- 147	CMS	Nonlinear Dynamic Analysis of Laminated Composite Plates Subjected to In-Plane Harmonic Edge Loading, <b>Shuvendu Narayan Patel, Vasanth Keshav</b>
7	SEC- 303	ADCS	Nonlinear analysis of reinforced concrete slabs subjected to fire, <b>Avinash N M G, Rao B N</b>
8	SEC- 417	ADCS	Performance of RC Shear Walls with Geometric Discontinuities– A Review, <b>V Sivaguru, G Appa Rao</b>
9	SEC- 795	ADCS	Forensic Investigation of Collapse of Building Structure: A Case Study, <b>Ambadas Waghmare, Daniel Koothoor, Dhruv Shah, Kinal Bid, Rahul Ghadwal, Raghav Agarwal, Snehal Sonawane, Viraj Sanghvi, Abhay Bambole</b>
10	SEC- 532	ADSS	Ready Reckoner for Bracket and Column Splices, <b>Vanapalli Naveen Kumar, A Satyaveni, Venkat Lute</b>
11	SEC- 435	WEE	Study of Earthquake Forces by Changing Location of Lift Core, <b>Shashwati Sanjay Vahadane, Manoj Ashok Baraskar</b>
12	SEC- 477	WEE	Latency of IS 875(Part-3):2015 Provisions on Low Rise Buildings, <b>B.Santhosh kumar, Balaji, KVG D, Chandan kumar Patnaikuni</b>
13	SEC- 578	SVTS	Free Vibration Analysis of Isotropic Cylindrical Skew Shell Using A Four node Discrete Kirchhoff Quadrilateral Element, <b>V.A. Dagade, S.D. Kulkarn</b>
14	SEC- 645	SVTS	Experimental Assessment of Masonry Walls Under Seismic out-of-Plane Action, <b>P. Pravin Kumar Venkat Rao, Yogendra Singh, Sreekanta Das</b>
15	SEC- 800	RRRS	An Experimental Study on Structural Performance of Rectangular RC Columns Strengthened with CFRP Wrap, <b>Sagar Doshi, Yogesh Lendave, Abhay Bambole</b>
16	SEC- 142	FF	Fracture Characterization of Bone using Crack Equivalent Concept, <b>B. Kesava Rao, A. S. Balu</b>
17	SEC- 159	SHM	Damage Identification in a Multi - Storeyed Building using Modal Based Health Monitoring Techniques, <b>Swagato Das, Purnachandra Saha</b>
18	SEC- 424	NBMSC	Prediction of Strength of 3D sandwich walls under general loading: A review, <b>P. Poluraju, G. Appa Rao</b>
19	SEC- 136	MSNH	Seismic Performance And Retrofitting Of Masonry Heritage Building, <b>Shakeel Ahmad</b>
20	SEC-401	ADCS	Dynamic Time History Response of Shear Wall under Earthquake Ground Motion, <b>Muthukumar G., Manoj Kumar</b>
21	SEC-166	ADSS	Comparative study of fatigue design of steel structures as per IS 800:2007, EN 1993-1-9:2005, AS4100:1998 and AISC 360:2010, <b>Dhara Rushir Shah</b>
22	SEC-442	ADSS	Corrugated web steel girder - A state of the art review, Prathebha Padmanaban, Jane Helena H

