

## Program Schedule

Date	Program Details	Timing as per Indian Standard Time
Day 1 5 Nov. 2020	Inauguration Function	10:00 to 11:00
	<b>Session 1: Construction Management</b> Key Note speech + Paper Presentation	11:30 to 17:00
	<b>Session 2: Structural Engineering</b> Key Note speech + Paper Presentation	14:00 to 17:00
Day 2 6 Nov. 2020	<b>Session 3: Construction Materials</b> Key Note speech + Paper Presentation	10:00 to 17:00
	<b>Session 4: Transportation Engineering</b> Key Note speech + Paper Presentation	11:00 to 17:00
	<b>Session 5: Water Resource Engineering</b> Key Note speech + Paper Presentation	11:00 to 17:00
Day 3 7 Nov. 2020	<b>Session 6: Environmental Engineering</b> Key Note speech + Paper Presentation	10:00 to 15:00
	<b>Session 7: Geotechnical Engineering</b> Key Note speech + Paper Presentation	11:00 to 15:00
	Valedictory Function	16:00 to 17:00

**Notes:-**

- i. Each author will get 10 minutes for presentation and 5 minutes for question answer.
- ii. Session Coordinators will send link in advance 3 days to authors for their respective session.
- iii. Keynote speeches will be conducted between the sessions as per their timings.
- iv. All the authors should remain present online throughout the session.
- v. Each session will have lunch break during 13:00 to 14:00 hours.

## Details of Sessions

<b>Session 1: Construction Management</b>			
Coordinator		Dr. Mangesh Madurwar, email: <a href="mailto:mangesh_bits@yahoo.com">mangesh_bits@yahoo.com</a> ; Cell No. 9422301167 Dr. Arpita Saha, email: <a href="mailto:arpitasaha2904@gmail.com">arpitasaha2904@gmail.com</a> ; Cell No. 9690806002	
Sr. No.	Paper Code	Title of Paper	Authors
1	ACE052	Utilising BIM in Construction Safety Planning: A Review	Priyanka Prashar, Dr. J. Uma Maheswari
2	ACE042	Exploring Regulation of Entry in the Construction Sector in South Africa	Salome Chiloane-Nwabueze, Tiku Tanyimboh and Alistair Glendinning
3	ACE013	Benefits of BIM in Reducing Errors in Indian Construction Projects	Divyesh Patel,VPS Nihar Nanyam
4	ACE083	Stakeholder management in Public-Private-Partnership Projects: A review	Rakhee Das, L. Boeing Singh, Mohammad Jawed
5	ACE014	The Role of a Quantity Surveyor Throughout the Lifecycle of a Construction Project	Basavaraj Chandrashekar Reddy,VPS Nihar Nanyam and Mithil Haldankar
6	ACE016	Smart cities in development of sustainable infrastructure - Systematic L R of two decades	Reena Bisht, Tharun Dolla, Boeing Laishram
7	ACE023	Assessing the Effect of Audit Compliance, Conflict Management and Bureaucratic Attitude on the Success of Public Projects	Arava Sai Sreekar, Sulakshya Gaur, Abhay Tawalare
8	ACE104	The rhetoric of smart city – A conceptual critique of Indian and US developments	Tharun Dola, Jason von Meding
9	ACE037	COVID-19: Claims and Dispute Management in Construction	NKR Akshayah,VPS Nihar Nanyam
10	ACE056	Factors Affecting Infrastructure Construction Projects	Arun Kumar Ahuja, Awanish Gaurav
11	ACE070	Model to Predict Additional Usable Carpet area in Building Redevelopment Projects of Housing Societies in Mumbai City	Vinod Vanvari, Dr. Sumedh Mhaske
12	ACE072	An Exploratory Study on Mental Well-Being of Employees in Construction Organisations	V. Paul C. Charlesraj and Mokshitha Shri
13	ACE086	Evaluation of Bid in Construction Industrybased onMulti-criteria approach using TOPSIS	Saurabh Gupta, Syam Nair
14	ACE103	Assessing the Critical Success Factors for PWD Projects in Rural Area	Ajinkya Umberje, Sulakshya Gaur, Abhay Tawalare

<b>Session 2: Structural Engineering</b>			
<b>Coordinator</b>		Dr. Manmohan Das Goel, email: <a href="mailto:mdgoel@gmail.com">mdgoel@gmail.com</a> ; Cell No. 7722043252 Dr. Ashish Khatri, email: <a href="mailto:as123khatri@gmail.com">as123khatri@gmail.com</a> ; Cell No. 9823357135	
<b>Sr. No.</b>	<b>Paper Code</b>	<b>Title of Paper</b>	<b>Authors</b>
1	ACE004	Finite element analysis of punching shear in RC column to footing connection considering the material parameters	Tsenat Befkadu, Pandurang B khawal, Shashi Shekhar Singh
2	ACE019	Effect of tapered flatted end tubes of various thickness and angle on axial compression loading	Pravin S Patil, I P Sonar
3	ACE088	Performance assessment of coupled dam-foundation system for recorded accelerograms	Aniket R. Tidke, Shrabony Adhikary
4	ACE107	Development of Computer-Aided Educational Tool for Multi-Degree-of-Freedom System	Suryakant K. Mahajan, Ranjan S. Sonparote
5	ACE093	Effect of Material Models on Dynamic Behavior of Reinforced Concrete Slabs Exposed to Blast Loading	Manmohan Dass Goel, Shivani Verma, Sandeep Panchal and Nikhil Sirdesai
6	ACE064	Structural Health Monitoring Using Multifractal Cross-Correlation Analysis	Ayisha Anwar, Adarsh S

### Session 3: Construction Materials

Coordinator		Dr. Swapnil Wanjari, email: <a href="mailto:swapnil_wanjari@yahoo.co.in">swapnil_wanjari@yahoo.co.in</a> ; Cell No. 9850364530 Dr. Vaidehi Dakwale, email: <a href="mailto:vaidehi.dakwale@gmail.com">vaidehi.dakwale@gmail.com</a> ; Cell No. 9423109310	
Sr. No.	Paper Code	Title of Paper	Authors
1	ACE007	Compressive strength of concrete using recycled glass and red ash as a partial replacement of fine aggregate (experimental investigation)	Muktar Jeylan , Pandurang B.khawal, Shashi Shekhar Singh
2	ACE009	Flow and Strength Characteristics of CLSM Using Gypsum Dry Wall	Minakshi Uchibagle, B Ram Rathan Lal
3	ACE020	Experimental Investigations on Stabilized Mud blocks enriched with steel slag for Sustainable Construction	Vibha N Dalawai, Lakshmi Srikanth, and Ishwarya Srikanth
4	ACE027	Sustainable Construction using Steel FRP Composites	Snehal Abhyankar
5	ACE029	Development of mix design & correlation studies between mechanical properties of ternary blended high strength concrete	Venkateswara Rao. Jampani, Gopishankar. Kaduluri,
6	ACE031	Effect of Aggregate Gradation on Mechanical Properties of Pervious Concrete	Mycherla Chaitanya, G. Ramakrishna
7	ACE033	Artificial Neural Network (ANN) Models for prediction of steel fibre reinforced concrete strength	Dr.A.M.Shende Dr.K.P.Yadav Dr.A.M.Pande
8	ACE041	Recycling Potential of Sugarcane Biomass Ash as an Improved Pozzolanic Binder and Sustainable Masonry Product	Vasudha D. Katare , Mangesh V. Madurwar
9	ACE043	Application of biocementation for augmentation of mechanical properties of fly ash concrete	Snigdha P. Bhutange, M. V. Latkar
10	ACE044	Mechanical properties of polypropylene fiber reinforced geopolymer composites: A review	Amardeep Meena, Navdeep Singh and S P Singh
11	ACE036	Study on energy requirements of building envelope developed from glass powder foamed geopolymer blocks	Khan Asudullah Khan, Ashwin Raut, C. Rama Chandrudu, C. Sashidhara
12	ACE095	Pozzolanic Rendering of Lime Sludge and Sand Stone Reject Blend	Sandeep P. Tembhurkar, Akshaykumar Raut, Dr. Mangesh V. Madurwar
13	ACE096	Use of fly ash and bottom ash in lieu of natural river sand in pavement quality concrete dosed with a new generation superplasticizer (Master FlyAsh)	Abhyuday Titiksh; Swapnil Wanjari
14	ACE046	Effect of Biocementation on Concrete using Different Calcium Sources	Anuja U. Charpe, M. V. Latkar
15	ACE049	Bamboo Reinforced Concrete Lintel – A Sustainable Approach	Vijay R. Wairagade, Dr. Ishwar P. Sonar
16	ACE074	Experimental Investigation on Mechanical and Durability Properties of Basalt Fibre Reinforced Concrete	Panugalla Ramarao, Mycherla Chaitanya <sup>2</sup>
17	ACE057	Using Isothermal Calorimetry to predict setting time of cement-based materials (CBMs)	Arvind Vishavkarma, Kizhakkumodom Venkatanarayanan Harish
18	ACE106	State of the Art : Ultra-high performance concrete: From fundamental to applications	Snehal Abhyankar, R.V.Ralegaokar

19	ACE071	The potential use of waste paper sludge for sustainable production of concrete – A review	Rajwinder Singh, Mahesh Patel and Karanvir Singh Sohal
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<b>Session 4: Transportation Engineering</b>			
<b>Coordinator</b>		Dr. Udit Jain, email: <a href="mailto:ujain.vnit@gmail.com">ujain.vnit@gmail.com</a> ; Cell No. 7838084010 Dr. Sitarami Reddy, email: <a href="mailto:dsramreddy@gmail.com">dsramreddy@gmail.com</a> ; Cell No. 7981988385	
<b>Sr. No.</b>	<b>Paper Code</b>	<b>Title of Paper</b>	<b>Authors</b>
1	ACE002	Macroscopic Analysis of Traffic Flow Behavior on Multi-Lane Highways under Heterogeneous Traffic Conditions	Kanchumurty Anusha, PoojariYugendar, S.MOESSANTHAKUMAR
2	ACE008	Dynamic Toll Pricing: A Framework for Tollway Operations in India	SWAMI Himanshu, BARI Chintaman and DHAMANIYA Ashish
3	ACE021	Solving fuzzy shortest path problem with decision maker's perspective	Vishnu Pratap Singh, Kirti Sharma, Udit Jain
4	ACE024	Split tensile behavior of HCFA based SCC including CBA and RCA	Pawan Kumar, Navdeep Singh
5	ACE026	Economic Strategies to alleviate traffic congestion: Evidences from an Indian City	Muneera C P, Krishnamurthy Karuppanagounder
6	ACE045	Performance of Geogrid Reinforced Asphalt Layers - A Review	Harishbabu Jallu, B.A.V Ram Kumar
7	ACE048	Study on Operational Characteristics of Hubli-Dharwad Bus Rapid Transit System in Comparison with Heterogeneous Traffic Lane	Shivaraj Halyal, Raviraj H. Mulangi , Harsha M.M and Himanshu Laddha
8	ACE059	Reuse of Crushed Concrete in Granular Sub-Base in Pavements	Sai Krishna. A , Sudhara and Sita Rami Reddy
9	ACE061	Industrial Waste Utilization in Road Construction: A Review	S.S.Patil, Dilip D. Sarode
10	ACE068	Characterization of Shredded Waste Plastic on Warm Stone Mastic Asphalt	Khalida Muntasher, Shivaraj Halyal
11	ACE073	Comparative Study Between Proposed Rigid Pavementand Flexible Perpetual Pavement for Western Alignment of Pune Ring Road	Saurabh Kulkarni, Mahadeo Ranadive
12	ACE076	Urban compatible Roads and Traffic Calming	Jan Riel
13	ACE079	Development of Free Flow Criteria for Divided Rural Highway: A Case Study	Rahul Tanwar, Naynish Pandey and Subhadip Biswas
14	ACE081	Use of lime as filler in Cold Mix Asphalt	Shobhit Jain, Bhupendra Singh and Nikhil Saboo
15	ACE082	Experimental and Numerical Studies on FRC for Use in Dowel Jointed Rigid Pavements	Priya Grace Itti Eipe, Anitha Joseph and Reebu Zachariah Koshy
16	ACE084	Spatial Statistical Analysis of Traffic Accidents Using GIS and Pythonfor Optimum Resource Allocation	Lakshmi Srikanth, Sneha Srikanth , Ishwarya Srikanth

<b>Session 5: Water Resource Engineering</b>			
<b>Coordinator</b>		Dr. Ashwini Mirajkar, email: <a href="mailto:ashmirajkar@gmail.com">ashmirajkar@gmail.com</a> ; Cell No. 9850837937 Dr. Swati Bhave, email: <a href="mailto:swatibhave19@gmail.com">swatibhave19@gmail.com</a> ; Cell No. 9146498667	
<b>Sr. No.</b>	<b>Paper Code</b>	<b>Title of Paper</b>	<b>Authors</b>
1	ACE018	3-D Geomodelling for Dam Site Characterization	Aswar D.S., Ullagaddi P. B.
2	ACE035	Comparison of Morphometric Parameters for Jonk Watershed Derived from Integrated Tool Developed in ArcGIS and QGIS Platform	Vinit Lambey,Indrajeet Sahuand A D Prasad
3	ACE039	Generation of Thematic Layers for Flood Hazard Zonation along the Banks of Koyna River near Patan	Gaurav Sanjay Ghare, Purushottam Kashinath Deshpande, Abhijeet Arun Bhondwe
4	ACE040	Flood Hazard Mitigative Protection Measures along the Banks of Koyna River near Patan Based on Spatial Data	Gaurav Sanjay Ghare, Purushottam Kashinath Deshpande, Abhijit Arun Bhondwe
5	ACE060	Optimization of the location of check valve to minimize the water hammer effects in a pipeline	P. D. Jiwane, A. D. Vasudeo, A. K. Singh
6	ACE053	Reduction in Live Storage Capacity of a Reservoir due to Sedimentation using Satellite Imageries	Tulshidas Jibhakate, Ashwini Mirajkar
7	ACE058	Application of Remote Sensing and GIS for Tidal Power Potential Assessment	Vishvesh Hanumantrao Kodihal ,Harsha Satish Maheshwari, Prathamesh Avinash More, Purushottam Kashinath Deshpande
8	ACE087	Rainfall Trend Anomalies over Wainganga basin, Central India	Saranya c Nair, Ashwini B Mirajkar
9	ACE003	Steady and Unsteady Hydrodynamic Simulation of Pili River as a Potential Flood Warning System using HEC-RAS	Siddhant Dash, Ritesh Vijay, and Rajesh Gupta
10	ACE101	Performance Evaluation of Groundwater Recharge infrastructure in Junewani Watershed, Nagpur, Maharashtra using and Spatial Approach	Y B Katpatal, Digambar S Londhe, Mukesh M S, Priyesh Biroju
11	ACE102	Feasibility assessment of inter basin water transfer using geospatial approach: A case study of Shivnath basin, India	Chandan Kumar Singh, Y B Katpatal
12	ACE105	Application of Modified Penman Method for Assessment of Crop Water Requirement in Venna Basin, Maharashtra India	Sarang V. Paranjpe, Y.B. Katpatal, M.S. Kadu
13	ACE110	Development of IBWT based Common Drainage Broker Canal Network towards Integrated Floodplain Management across East Flowing Rivers Region of India	Gurusamy B. T, Godbole S. P and Vasudeo A. D
14	ACE111	Integrated Use of Remote Sensing and GIS Techniques for the Assessment of Groundwater Potential Zone Using Multi-Influencing Factors in Kulhan Watershed, Chhattisgarh, India	Tanushri Jaiswal, Suvendu K. Sahu, N.P. Praveen, T. Ramkumar and D.C. Jhariya

### Session 6: Environmental Engineering

Coordinator		Dr. Shilpa Dongare, email: <a href="mailto:shilpa_dg@rediffmail.com">shilpa_dg@rediffmail.com</a> ; Cell No. 9960391401 Dr. Karthik B. email: <a href="mailto:emailkb0@gmail.com">emailkb0@gmail.com</a> ; Cell No. 7607457866	
Sr. No.	Paper Code	Title of Paper	Authors
1	ACE011	Monitoring heavy metals concentrations in a natural wetland and aquatic plant Eichhornia crassipes for assessment of its biomonitoring potential	Siddhant Dash, and Ajay S. Kalamdhad
2	ACE025	Removal ofPb(II) Ion from Aqueous Phase under Uncontrolled and Controlled pH Conditions by Granular Activated Alumina	Ravindra Jaysing Patil, and Mohammad Jawed
3	ACE062	Assessment of particulate exposure in different transport medium at two contrasting land uses of Bangalore	Smaranika Panda
4	ACE108	Adsorption of 2- picoline on tea waste: Studies on characteristics of adsorbent and effects on various adsorption parameters	Upendra R. Darla, Dilip H. Lataye
5	ACE109	Evaluation of groundwater quality using water quality index (WQI) in Ambedkar Nagar city, Uttar Pradesh, India	Vijayendra Pratap Dheeraj , Ashwani Kumar Sonkar , C.S Singh
6	ACE065	Performance evaluation of electrocoagulation with hybrid electrodes in the decolourisation of methyl orange dye	Anjali Cletus, Athira S., Anjana G. Ramesh, Priya K. L., Indu M.S.
7	ACE069	Spatial and Temporal Distribution of Ions in Groundwater of the Dimoria Block of Kamrup Metropolitan District of Assam, India Using Geographic Information System	Priyanka Kotoky, Ajay S. Kalamdhad and Bimlesh Kumar
8	ACE075	Fuzzy Random Uncertainty Based Design of Water Distribution Network Using Cross Entropy Optimization	Prerna Pandey, Shilpa Dongre, and Rajesh Gupta
9	ACE077	Efficient Division of Water Distribution Network into District Metered Areas: Application to Ramnagar subzone of Nagpur City	Aniket N. Sharma, Shilpa R. Dongre, Rajesh Gupta
10	ACE089	Impact of Lockdown on Ambient Air Quality in Nagpur Due to COVID-19 Pandemic	Divyanshu Saini, Upendra R. Darla Dilip H. Lataye, Vidyanand M. Motghare and E. Ravendiran
11	ACE097	Experimental assessment of natural ventilation as a mitigation measure for indoor air pollution problem	Sangita (Ghatge) Goela, Rajesh Guptab
12	ACE099	Impact of Different Mode of Electrode Connection on Performance of Hybrid Electrocoagulation Unit Treating Greywater	Khalid Ansari, Avinash N. Shrikhande

<b>Session 7: Geotechnical Engineering</b>			
<b>Coordinator</b>		Dr. Amit Padade, email: <a href="mailto:amit51085@gmail.com">amit51085@gmail.com</a> ; Cell No. 7387674170 Dr. Srinivasan V. email: <a href="mailto:srinivasan25civil@gmail.com">srinivasan25civil@gmail.com</a> ; Cell No. 9532095025	
<b>Sr. No.</b>	<b>Paper Code</b>	<b>Title of Paper</b>	<b>Authors</b>
1	ACE098	Numerical simulation of Drive-Drill-Drive techniques for open ended pile installations	Joaquin Goycoolea Castillo, Sparsha Nagula, Christoph Schallück and Prof. Dr-Ing. Jürgen Grabe
2	ACE022	Effect of Anthropogenic and Natural activities on a Rock Slope Failure using Rate, State, Temperature and Pore Pressure Friction	Nitish Sinha, Arun K. Singh and Avinash D. Vasudeo
3	ACE032	Investigation on behaviour of open-ended driven piles in different cohesionless soils using image-based measurements	Sreelakshmi. G, Asha. M. N
4	ACE034	Investigation of Gabion wall failures and recommendations	Ganesh Chikute, Ishwar Sonar
5	ACE038	Determination of Resilient Modulus of Layered Bio-Stabilized Soil	Divya V, aand Asha M N
6	ACE051	Development of a Plastic coated Natural Fiber Reinforcement for Geotechnical Applications	K.V.S. Durga Prasad, and Anjan Patel
7	ACE066	An Experimental Study of Unreinforced and Reinforced Soil Slope under Static Loading	Vishal S. Ghutke, Simran Sheikh and Anirban Mandal
8	ACE100	EPS based Lightweight Geomaterial- A Review	Anupam Pande, Amit Padade
9	ACE090	Laboratory investigation on dynamic small-strain shear modulus of fly ash stabilized expansive soil	Ritesh Ingale and Srinivasan V