

**International Conference on Recent Advances in Civil Engineering (ICRACE-2021)**  
**September 17 - 19, 2021, Online Mode, Macro Program Schedule**  
**Organised by Department of Civil Engineering, NIT Silchar.**

Day 1 17-09-2021 (Friday)	Time	Program
	9.00 – 10.30	Inauguration
	10.30 – 11.30	Key Note by <b>Prof. Hemanta Hazarika</b> , Kyushu University, Japan.
	11.30 – 13.30	Parallel Sessions – I to V
	13.30 – 15.00	Lunch Break

Day 1: 17-09-2021 (Friday) Time : 11.30 – 13.30

**Session –I : Structural Engineering**

**Google Meeting Link:** <https://meet.google.com/hak-nosb-mht>

**Chair – Prof.G.C.Behera, Co chair – Dr.B.K.Roy , Coordinator – Dr.L.V.Prasad M.**

Sl.No	Paper Id	Authors Name	Paper Title
01.	ICRACE-ID -021	Vijayeta Malla, Prasad K V, Venkatesan R	Social Network Theory in Construction industry :A Scientometric Review
02	ICRACE-ID -082	Varun Aneja, Neelam Rani	Interference Effect Between Tall Buildings with Square Cross-sections
03.	ICRACE-ID -272	Debanjana Dhar, Prasad.M.L.V	A study on Basalt Fiber Reinforced Concrete Utilising Seashells as Replacement to Coarse Aggregate
04	ICRACE-ID -102	Sriman Pankaj Boindala, Kruthi Kiran Ramagiri, Arkamitra Kar	Investigation of crushed concrete aggregates as a replacement for natural aggregates in AAB concrete
05.	ICRACE-ID -141	Abhishek , Paratibha Aggarwal	A Review of Strength and Durability Parameters of Concrete by Partial Replacement of Fine Aggregate with Waste foundry sand

Day 1: 17-09-2021 (Friday) Time : 11.30 – 13.30

**Session –II : Structural Dynamics & Earthquake Engineering**

**Google Meeting Link:** <https://meet.google.com/xdy-csvb-hnj>

**Chair – Prof.xxx , Co chair – Dr.Naveen B , Coordinator – Dr.Arjun Sil**

Sl.No	Paper Id	Authors Name	Paper Title
01.	ICRACE-ID-043	Kiruthika R and Dr.Vasugi V	Seismic hazard assessment of Chennai city using Deterministic approach
02.	ICRACE-ID-106	Shreekiran and K S Babu Narayan	STABILITY ANALYSIS OF LIFT SHAFT TOWER WITH GUYS FOR WIND LOAD
03.	ICRACE-ID-122	Bellamkonda Sai Teja, Vasugi.V, Jegan V	COMPARATIVE ANALYSIS OF DIAGRID STRUCTURAL SYSTEM WITH CONVENTIONAL SYSTEMS FOR TALL BUILDINGS
04	ICRACE-ID-168	Muhammed Zain Kangda, Amir Shaikh, and Gautam Bedmuttha	Optimum Base Isolation System for Blast Induced Vibrations
05	ICRACE-ID-184	Zaid Mohammad, Abdul Baqi, Mohammed Arif	Performance Evaluation of RC Framed Hill Buildings with and without Shear Walls

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Time : 11.30 – 13.30

**Session –III : Geotechnical Engineering**

**Google Meeting Link:** <https://meet.google.com/zmb-ypdk-dgg>

**Chair – Prof. Binu Sharma, Co chair – Dr. Debjit Bhowmik, Coordinator – Dr.Monowar Hussain**

Sl.No	Paper Id	Authors Name	Paper Title
01.	ICRACE-ID-047	Suhail Ahmad khanday, Monowar Hussain, Amit Kumar Das	Ground Granulated Blast Furnace Slag Based Geopolymer Treated Fibrous Peat
02.	ICRACE-ID-080	Amit Golder and Indrajit Roy	Geotechnical Investigation to Predict the Distance between Shovel-Dumper Dump and Dragline Dump
03.	ICRACE-ID-081	Burhan Muzaffar, S. Rupali, Ilyas Bhat	Response of Crumb Rubber Additives on Shear Strength Characteristics of Poorly Graded Soils
04.	ICRACE-ID-185	Zaid Mohammad, Mohd. Anwar, Saad Shamim Ansari, Abdul Baqi	Finite Element Modelling of RC Silo subjected to Thermal Loads

Day 1: 17-09-2021 (Friday)

Time : 11.30 – 13.30

**Session –IV : Water Resource Engineering**

**Google Meeting Link:** [meet.google.com/qhy-nwev-rbu](https://meet.google.com/qhy-nwev-rbu)

**Chair – Prof. Dibakar Chakraborty; Co chair – Dr. Prashanth J, Coordinator – Dr.Briti Sundar Sil**

Sl.No	Paper Id	Authors Name	Paper Title
01.	ICRACE-ID-037	C, Ramprasad, Deekshitha, M. K, Gayathri, R; Preethika, M	Estimating the impact of urbanization on Nitrogen dioxide emission over New Delhi region using satellite imaginary model – Pre and During COVID era
02.	ICRACE-ID-125	Koushik Das, P Janardhan and H Narayana	Detection of Oil Spills using Sentinel-1 data
03	ICRACE-ID-194	Tanmoyee Bhattacharya1, Deepak Khare1, Manohar Arora	Modelling glacio-hydrologic processes of Beas within a distributed, water and energy balance based hydrology model
04	ICRACE-ID-253	Ms. Vishakha Naika, Dr. Shilpa Kewate	Intelligent Urban Flood Management ; City of Mumbai

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Day 1: 17-09-2021 (Friday)

Time : 11.30 – 13.30

**Session –V : Transportation Engineering**

**Google Meeting Link:** <https://meet.google.com/qft-xskt-qui>

**Chair – Dr. Ankit Gupta, Co chair – Dr. Ambika Kuity, Coordinator – Dr.Kh Lakshman Singh**

Sl.No	Paper Id	Authors Name	Paper Title
01.	ICRACE-ID-042	Satyananda Sethi, Sudhanshu Sekhar Das	A Characteristics factor based survey influences the Safety of Pedestrian Crossing
02.	ICRACE-ID -053	Abhishek Donga, Keyur Sagathiya, Prasad K V, and Vasugi V,	An Investigation into the Causes of Delays in Construction of Metro Rail Projects in India
03	ICRACE-ID-100	Pinki deb and Kh.Lakshaman Singh	Laboratory study on the long-term mechanical performance of cold mix asphalt with rice husk ash filler
04	ICRACE-ID-189	Soumyadeep Deb, Dr. Kh. Lakshman Singh	UTILIZATION OF BAMBOO FIBRE IN THE APPLICATION OF STONE MATRIX ASPHALT

Day 1  
17-09-2021  
(Friday)

15.00 – 16.00

Key Note by **Prof. Hadi, Muhammad N. S** , University of Wollongong Australia

16.00 – 18.00

Parallel Sessions – VI to X

18.00- 19.00

Key Note by **Prof. Elgawady, Mohamed A.** , Missouri University of Science & Technology, U.S

**Session – VI : Structural Engineering**

Day 1: 17-09-2021 (Friday)

Time : 16.00 – 18.00

**Google Meeting Link:** <https://meet.google.com/hak-nosb-mht>

**Chair – Prof. Paratibha Aggarwal, Co chair – Dr.PSN Giri , Coordinator – Dr.L.V.Prasad M.**

Sl.No	Paper Id	Authors Name	Paper Title
06	ICRACE-ID-175	Er. S. K. Singh Gaur, Dr.Sunil Kumar	Performance of concrete with stone dust as sand and demolished concrete/masonry rubble as coarse aggregate on strength, durability and fire resistance
07	ICRACE-ID-179	Vipul Agarwal	Identification and Analysis of Material Management Issues in Construction Industry using ICT tools
08	ICRACE-ID-270	Nilanjan Tarafder Prasad Raju M. L. V	P-M-M Interaction of Bridges having Different Construction Materials: CC, SCC & FRSCC
09	ICRACE-ID-207	Sandeep Sathe, Sudhir Patil and Vikram Shete	An Experimental Study on flexural strength of corroded reinforced concrete beam with Flyash
10	ICRACE-ID-266	Md Athar Kazmi, Prasad.M.L.V	Properties of concrete made with waste marble as coarse aggregate

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Day 1: 17-09-2021 (Friday)

Time : 16.00 – 18.00

**Session –VII : Structural Dynamics & Earthquake Engineering**

**Google Meeting Link:** <https://meet.google.com/xdy-csvb-hnj>

**Chair – Prof.xxx , Co chair – Dr.Atanu Sahu , Coordinator – Dr.Arjun Sil**

Sl.No	Paper Id	Authors Name	Paper Title
06	ICRACE-ID-158	Ramakant Azad, Saraswati Setia	Seismic Analysis and Design of Different Slab Arrangements in Buildings
07	ICRACE-ID-222	Ali Ghamari, Denise-Penelope N. Kontoni	Parametric Investigation of the Fundamental Period of Reinforced Concrete Frame Buildings considering Masonry Infilled Walls
08	ICRACE-ID-231	Zaid Mohammad, Saad Shamim Ansari, Mohd. Anwar, Abdul Baqi	Structural Behaviour of RC Silo under Gravity and Infill Loads
09	ICRACE-ID-237	Paramathmeka S Rajeswari M	Experimental and Numerical Study on The Behaviour of Grouted Sleeve Coupler Joint Used in Precast Member Connection
10	ICRACE-ID-263	Vaibhav Patel, Hanumant Magarpatil	Comparative Study of Carbon Fibre Reinforced Polymer Cabled Structure Subjected To Seismic Loads

Day 1: 17-09-2021 (Friday)

Time : 16.00 – 18.00

**Session –VIII : Geotechnical Engineering**

**Google Meeting Link:** <https://meet.google.com/zmb-ypdk-dqg>

**Chair – Prof. Sreelakshmi Gopalakrishnan, Co chair – Dr. NirmaliBorthakur, Coordinator – Dr.Monowar Hussain**

Sl.No	Paper Id	Authors Name	Paper Title
05.	ICRACE-ID 139	T V Nagaraju, B M Sunil and M Venkata Rao	Utilization of GGBS based geopolymers lateritic soils for sustainable pavements
06	ICRACE-ID-228	Ali Kheyroddin, Hamed Arshadi, Mehran Gudarzi, and Mahdi Kioumars	Parametrical Study on the Seismic Performance of Post-Installed Anchors Using Injectable Epoxy Mortars
07.	ICRACE-ID-188	Sreelakshmi. G, Nithesh .N, Harshan .H.S, Nisarga .N	Stability analysis of non-homogeneous slopes and assessment of failure characteristics using HYRCAN
08.	ICRACE-ID-282	Baishali Nandi, Debjit Bhowmik, and Monowar Hussain	Effect of distance on bearing capacity of strip footing on slope

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Day 1: 17-09-2021 (Friday)

Time : 16.00 – 18.00

**Session –IX : Water Resource Engineering & others**

**Google Meeting Link: [meet.google.com/ghy-nwev-rbu](https://meet.google.com/ghy-nwev-rbu)**

**Chair – Prof.M.Berlin; Co chair – Dr. D K Ghose, Coordinator – Dr.Briti Sundar Sil**

Sl.No	Paper Id	Authors Name	Paper Title
05	ICRACE-ID-262	Husain Anandwala, Hanumant Magarpatil	Structural Audit of Mutha River Bridge using Institutionally Developed Displacement Sensors
06	ICRACE-ID-145	Tanmoy Chatterjee, Surajit Munshi, Duryadhan Behera	An environmental impact assessment on geomorphic erosion risk analysis using GIS at Jeevna site, Jeypore, Koraput District, Odisha
07	ICRACE-ID-118	Kumar Ashwini, Tinkle Das, and Briti Sundar Sil	Spatio-Temporal Variation of Ground Water Potential Change in Barak River Basin, North East, India
08	ICRACE-ID-275	V.Kumaran1, Sajid K, Manu3, Subba Rao,	Experimental Investigation of Dynamic Pressure on Wall type Breakwater with Slotted Barrier

Day 1: 17-09-2021 (Friday)

Time : 16.00 – 18.00

**Session –X : Transportation Engineering & other**

**Google Meeting Link: <https://meet.google.com/qft-xskt-quj>**

**Chair – Dr. Bhupendra Singh, Co chair – Dr. Debasish Das, Coordinator – Dr.Kh Lakshman Singh**

Sl.No	Paper Id	Authors Name	Paper Title
05	ICRACE-ID-143	Uma Shankar T , Sudeep Biswas, Dr. Monowar Hussain.	Effect of pocket-size of bamboo geocell filled with sand and recycled asphalt pavement over soft clay bed
06	ICRACE-ID-139	T V Nagaraju, B M Sunil and M Venkata Rao	Utilization of GGBS based geopolymer lateritic soils for sustainable pavements
07	ICRACE-ID-052	Hemanta K. Behera, Sudhanshu Sekhar Das and Debabrata Giri	Sustainable Application of Waste Materials in Pavement Construction: A review
08	ICRACE-ID-280	Nabarun Dey, Barnali Debnath and Partha Pratim Sarkar	Finite Element Analysis of Flexible Pavement with Non-linear Material Behaviour

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Day 2 18-09-2021 (Saturday)	9.30 – 10.30	Key Note by <b>Prof. B. Bhattacharjee</b> , Emeritus Professor, IIT Delhi
	10.30 – 12.30	Parallel Sessions – XI to XV
	12.00 – 13.30	Key Note by <b>Prof. Ganeshan N.</b> Emeritus NIT Calicut, India
	13.30 – 15.00	Lunch Break

Day 2: 18-09-2021 (Saturday) Time : 10.30 – 12.30

**Session –XI : Structural Engineering**

**Google Meeting Link: <https://meet.google.com/hak-nosb-mht>**

**Chair – Prof. Arkamitra Kar, Co chair – Dr.M.Sriram Chand .M, Coordinator – Dr.L.V.Prasad M.**

Sl.No	Paper Id	Authors Name	Paper Title
11	ICRACE-ID-210	Varunkumar Veerapandian, Gajalakshmi Pandulu, and Revathy Jayaseelan	REVIEW ON BEHAVIOR OF CONCRETE IN- FILLED CONFINED FRP TUBULAR COLUMNS
12	ICRACE-ID-092	Soorya M Nair, Parthiban P and Anju M	UHPC Steel Composite Girder: Numerical Studies on Flexural Behaviour in Negative Moment Region
13	ICRACE-ID-166	Gokul Santhosh S, A P Singh, M Abdul Akbar	Parametric studies and optimization of grid shell structures using genetic algorithm
14	ICRACE-ID-163	MAHESH, V P SINGH	An Analytical Study of Concrete Filled Steel Tube (CFST) Composite Column
15	ICRACE-ID-004	G.C.Behera M.L.V. Prasad	Determination of Ultimate Torque and Twist of High Strength RC Beams with Ferrocement “U” Wraps: Different Approaches G.C.

Day 2: 18-09-2021 (Saturday) Time : 10.30 – 12.30

**Session –XII : Structural Dynamics & Earthquake Engineering**

**Google Meeting Link: <https://meet.google.com/xdy-csvb-hnj>**

**Chair – Prof.xxx , Co chair -Dr Nitesh Ahir, Coordinator – Dr.Arjun Sil**

Sl.No	Paper Id	Authors Name	Paper Title
11	ICRACE-ID-126	Rahul Yumlembam, S.S. Ningthoukhongjam	A Review on Seismic Performance of RC Building Frames Resting on the Hilly Terrain
12	ICRACE-ID-265	Rushikesh Hiralal Bichhal, Dr. H. R. Magarpatil	Structural audit and assessment of application of external post tensioning method on bridge girder
13	ICRACE-ID-269	Anand Kumar, Shailja Bawa, M Abdul Akbar	Analysis of I-Section Composite Beam with Winding Wire and Metal Strap for Development of Effective Bond
14	ICRACE-ID-298	Pradeep K. Goyal,Naveen Suthar	Comparison of Response on Building due to wind load as per wind codes [IS 875 – (Part 3) – 2015] and AS/NZ1170.2- 2011]
15	ICRACE-ID-233	Kavyashree, Shantharam Patil, and Vidya S Rao	Structural Response Enhancement by Optimized Outrigger Location

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Day 2: 18-09-2021 (Saturday) Time : 10.30 – 12.30 <b>Session –XIII : Geotechnical Engineering</b> <b>Google Meeting Link: <a href="https://meet.google.com/zmb-ypdk-dgg">https://meet.google.com/zmb-ypdk-dgg</a></b> <b>Chair – Prof.A.K.Dey , Co chair – Dr.Parbin Sultana, Coordinator – Dr.Monowar Hussain</b>			
Sl.No	Paper Id	Authors Name	Paper Title
09	ICRACE-ID-234	Bhagyashree, Dr. H N Udayashankara and Dr. Purushotham G	Evaluation of Engineering Properties of Laterite Blocks for Construction Purposes from Selected Zones of Coastal Karnataka Region – A Case Study
10	ICRACE-ID-136	T V Nagaraju, B M Sunil and Babloo Chaudhary	A study on aquaculture waste leachate transport through soil
11.	ICRACE-ID-191	Gautam, Sudeep Biswas, Monowar Hussain	Performance analysis of Different Geosynthetic Reinforcements in Unpaved Roads of Soft Subgrade
12.	ICRACE-ID-097	Anikat Mahajan, S. Rupali, Ankush Kumar Dogra	Numerical Analysis of Stability in Gabion Walls Under the Effect of Surcharge Load
Day 2: 18-09-2021 (Saturday) Time : 10.30 – 12.30 <b>Session –XIV : Water Resource Engineering</b> <b>Google Meeting Link: <a href="https://meet.google.com/qhy-nwev-rbu">https://meet.google.com/qhy-nwev-rbu</a></b> <b>Chair – Prof. U Kumar, Co chair – Dr.Pulendra Dutta , Coordinator – Dr.Briti Sundar Sil</b>			
Sl.No	Paper Id	Authors Name	Paper Title
09	ICRACE-ID-288	Mrunalini Deshmukh and Rajendra Magar	ANALYSIS OF GRAVITY DAM USING PARTICLE SWARM OPTIMIZATION
10	ICRACE-ID-281	Neethu Ann Paul and Anitha Joseph	Hydrodynamic Analysis of a Fixed Offshore Wind Tower Using ANSYS Aqwa
11	ICRACE-ID-284	Shanthi P Selvam and V. M. Topkar	Study on Variability of Influent Characteristics Concentrations of CETP
12	ICRACE-ID-225	Shreenivas Londhe, Pradnya Dixit, Shantanu Mulay, Anjali Thorat	STREAMFLOW PREDICTION USING DATA DRIVEN TECHNIQUES FOR UPPER KRISHNA SUBBASIN STATIONS OF MAHARASHTRA, INDIA.

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Day 2: 18-09-2021 (Saturday)

Time : 10.30 – 13.30

**Session –XV : Transportation Engineering**

**Google Meeting Link: <https://meet.google.com/qft-xskt-quj>**

**Chair – Dr. Ankit Gupta, Co chair – Dr. Ambika Kuity, Coordinator – Dr.Kh.L.Singh**

Sl.No	Paper Id	Authors Name	Paper Title
09	ICRACE-ID-283	Priyam Nath Bhowmik, Krishna Ch Das and Mokaddes Ali Ahmed	Reduction of carbon dioxide emission from pavement by the use of Hydroxyapatite-Encapsulated Cobalt Ferrite (HAP/CoFe <sub>2</sub> O <sub>4</sub> ) nanocomposite in bitumen: A step towards greener roads
10	ICRACE-ID-252	Prasad K V, Raja Sehar Mamillapalli and Hanumantha Rao Pusarla	Risk Management in Public Private Partnerships (PPP) - An Indian case study
11	ICRACE-ID-72	R.Sathish Kumar	Planning, Scheduling and Construction of a Highway Project-A Live Case Study on Nh-161 From Mangloor (Telangana) to Maharashtra Border
12	ICRACE-ID-058	Sandeep Singh, Anisha Biswal, Rajesh Kumar Panda, and S. Moses Santhakumar	A Comparison of Macroscopic Traffic Stream Models under Non-Lane-Based Heterogenous Highway Traffic

Day 2  
18-09-2021  
(Saturday)

15.00 – 16.00

Key Note by **Prof. Rajib Kumar Bhattacharjya**,  
IIT Guwahati, India

16.00 – 18.00

Parallel Sessions – XVI to XX

18.00- 19.30

Key Note by **Prof. Krishna R. Reddy**,  
University of Illinois at Chicago, USA

Day 2: 18-09-2021 (Saturday)

Time : 16.00 – 18.00

**Session –XVI : Structural Engineering**

**Google Meeting Link: <https://meet.google.com/hak-nosb-mht>**

**Chair – Prof. M.Abdul Akbar, Co chair : Dr.Nirmalendu Debnath, Coordinator – Dr.L.V.Prasad M.**

Sl.No	Paper Id	Authors Name	Paper Title
16	ICRACE-ID-278	Pavan Pohekar, Archana Tanawade	Study of Moment Curvature Response of Beam as per IS456 Code and Hognestad's Stress Strain Curve
17	ICRACE-ID-201	Mr. J. S. Salunkhe, Miss. Damini Pawar	Assessment of Ultrasonic Pulse Velocity (V <sub>p</sub> and V <sub>s</sub> ), Dynamic Young's Modulus, Poisson's Ratio, Cohesion, Angle of Internal Friction and other Engineering Properties of Granite and Basalt Rock
18	ICRACE-ID-031	Kushal Ghosh, Subhashis Bose, Bikram Paul and Partha Ghosh	EFFECT OF SILICA SAND ON THE MECHANICAL AND DURABILITY CHARACTERISTICS OF CONCRETE
19	ICRACE-ID-297	Sirangi Bhavani L V Prasad M	COMPARATIVE STUDIES ON SELF-HEALING SELF COMPACTING CONCRETE
20	ICRACE-ID-279	Raghavendra shrishail Biradar , Archana Tanawade	Progressive Collapse Analysis of RCC Buildings By using Linear Static Method



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**Session –XVII : Structural Dynamics & Earthquake Engineering**

Day 2: 18-09-2021 (Saturday)

Time : 16.00 – 18.00

**Google Meeting Link:** <https://meet.google.com/xdy-csvb-hnj>

**Chair – Prof.xxx , Co chair – Prof. Dr. Denise-Penelope N. Kontoni, Coordinator – Dr.Arjun Sil**

Sl.No	Paper Id	Authors Name	Paper Title
16	ICRACE-ID-096	Atul Pandey, Hari Krishan Sharma	Strengthening Measures for Reinforced Concrete Column against Blast Loading - A review
17	ICRACE-ID-193	Nipun B. Harigopal, and Mini Remanan	Variation of Progressive Collapse Resistance of Diagrid Structures Based on Plan Geometry and Section
18	ICRACE-ID-108	Shanku Mandal, Sujit Kumar Dalui, Soumya Bhattacharjya	Influence of Side Ratio on Wind Induced Responses of U Plan Shape Tall Building
19	ICRACE-ID-030	Amlan Kumar Bairagi, Sujit Kumar Dalui	Wind effects on the top roof of different type setback building models using CFD method
20	ICRACE-ID-112	Makam Jeevan kumar, S.M. Gupta	Comparative Study of Time History Analysis of Outrigger and Tube in Tube Structures using ETABS

**Session –XVIII : Geotechnical Engineering**

Day 2: 18-09-2021 (Saturday)

Time : 16.00 – 18.00

**Google Meeting Link:** <https://meet.google.com/zmb-ypdk-dgg>

**Chair – Dr. ArindamDey, Co chair – Dr. Amit Kumar Das, Coordinator – Dr.Monowar Hussain**

Sl.No	Paper Id	Authors Name	Paper Title
13.	ICRACE-ID-248	Nirmala Vasudevan, Kaushik Ramanathan, Anunandh G	The June 2018 Karinchola Landslide, Kerala State, South India
14.	ICRACE-ID-271	Abhir Sarkar, Debjit Bhowmik	Prediction of Seismic Wave Velocity using Artificial Intelligence
15	ICRACE-ID-212	Divya V, Balaji M , Chandan Gowda N, Chandana C, Jamuna G M	Evaluation of Stability of Embankment Dams
16	ICRACE-ID-62	Indrashis Saha and Richa Pandey	Oxidative Degradation of Rhodamine B dye in wastewater using Microwave-assisted Fentons reaction

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Day 2: 18-09-2021 (Saturday)

Time : 16.00 – 18.00

**Session –XIX : Water Resource Engineering**

**Google Meeting Link: <https://meet.google.com/qhy-nwev-rbu>**

**Chair – Prof. BibhashSarma, Co chair – Dr. Susmita Ghosh, Coordinator – Dr.Briti Sundar Sil**

Sl.No	Paper Id	Authors Name	Paper Title
13.	ICRACE-ID-146	Partha Pratim Sarkar, Prashanth Janardhan Parthajit Roy	Analyzing the changing variations of Indian Ocean Dipole (IOD) – Indian summer monsoon rainfall (ISMR) relationship across North East India.
14.	ICRACE-ID-133	Chinmay Deore, Rohini More and Dr. Sameer Shastri	Effect of seasonal changes on water quality of River Mutha.
15	ICRACE-ID-183	K. Senthil, S.Rupali, R. Sharma, A. Sharma, N. Singh	Evaluation of Deformation in Ti-6Al-4V and Al2024-T3 Plate against Lead Projectiles
16	ICRACE-ID-292	Sajith and Raghavan Ramalingam	Effect of Shear Connectors in the Deformability of Circular Plated Joints in Single Layered Lattice Structure

Day 2: 18-09-2021 (Saturday)

Time : 16.00 – 18.00

**Session –XX : Transportation Engineering**

**Google Meeting Link: <https://meet.google.com/qft-xskt-qui>**

**Chair – Dr.Partha Pratim Sarkar, Co chair – Dr.Suprava Jena, Coordinator – Dr.Kh.L.Singh**

Sl.No	Paper Id	Authors Name	Paper Title
13	ICRACE-ID-024	Varun Singh, Anurag Upadhyay and Asit Kumar	Integrated Sensor Based Approach for Traffic Congestion Prediction using Probe Vehicle
14	ICRACE-ID-046	Ankit Karan, Neelam Rani, M. Abdul Akbar	Structural and Economic Characteristics of Buildings with Different Fire Ratings as per Indian Codes
15	ICRACE-ID-007	Waikhom Victory, Mokaddes Ali Ahmed	Paratransit utility and mode choice modelling; A review
16	ICRACE-ID-296	K. Lakshmi and Prathamesh Apte	A Damage detection technique using Bridge Influence Surfaces for structural health monitoring of bridges

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Day 3 19-09-2021 (Sunday)	9.30 – 10.30	Key Note by <b>Prof.Mohd Rosli bin Hainin</b> , Universiti Malaysia Pahang, Malaysia
	10.30 – 12.30	Parallel Sessions – XXI to XXV
	12.30 – 13.30	Key Note by <b>Prof. Dr. Denise-Penelope N. Kontoni</b> , University of the Peloponnese, Greece.
	13.30 – 15.00	Lunch Break

Day 3: 19-09-2021 (Sunday)

Time : 10.30 – 12.30

**Session –XXI : Structural Engineering**

**Google Meeting Link: <https://meet.google.com/hak-nosb-mht>**

**Chair – Dr. V. Vasugi , Co chair – Prof.xxxx , Coordinator – Dr.L.V.Prasad M.**

Sl.No	Paper Id	Authors Name	Paper Title
21	ICRACE-ID-273	Endow Mazumder and L.V Prasad M	Impact of Optimum Waste Content and NaOH Molarity Dosage on Self Compacting Geopolymer Concrete Efficiency
22	ICRACE-ID-003	Ankur Thakur, M Abdul Akbar	Ductile Detailing Practices Using Confined Masonry – A Case Study of Himachal Pradesh
23	ICRACE-ID-277	Praful Patel, Tejas Pathak, Shardul Joshi	STUDY AND ANALYSIS OF IRREGULARITIES IN RC BUILDINGS
24	ICRACE-ID-264	Prasad Mlv , Gopal Behera and Kibiro Essa	Behaviour of Self Compacting Concrete and Vibrated Concrete RC Beams under Static and Cyclic Loading
25	ICRACE-ID-199	Geethu Elsa Thomas, P. V Indira and Sajith A. S	Enhancement of Mechanical Properties of Cement Mortar Using Ground Granulated Blast Furnace Slag as a Partial Replacement

Day 3: 19-09-2021 (Sunday)

Time : 10.30 – 12.30

**Session –XXII : Structural Dynamics & Earthquake Engineering**

**Google Meeting Link: <https://meet.google.com/xdy-csvb-hnj>**

**Chair – Prof.xxx , Co chair – Prof.xxxx , Coordinator – Dr.Arjun Sil**

Sl.No	Paper Id	Authors Name	Paper Title
21	ICRACE-ID-182	Mehdi Ebadi-Jamkhaneh, Denise-Penelope N. Kontoni, Masoud Ahmadi	Evaluation of the Behavior of Gusset Plates in Concentrically Braced Steel Frames under Cyclic Loading
22	ICRACE-ID-144	Rama Neeraja K, Vineetha S, C Navyatha and C Rajaram	Seismic Damage of Regular and Irregular Buildings Using Fragility Curves
23	ICRACE-ID-219	M I Khodakarami, Marzieh Dehghan and Denise-Penelope N. Kontoni	Modeling of Soil-Structure Interaction in Liquefiable Soils using an Equivalent Linear Approach including Shear Modulus Updating
24	ICRACE-ID-204	Masoud Ahmadi, Mehdi Ebadi-Jamkhaneh, and Mahdi Kioumars	Shear Behavior Prediction of Fibrous RC Members: An Artificial Intelligence Approach
25	ICRACE-ID-196	Ashis Kumar Dutta, Debasish Bandyopadhyay, Jagat Jyoti Mandal	ANALYSIS OF GRID TYPE STRUCTURE ON ELASTIC FOUNDATION

**International Conference on Recent Advances in Civil Engineering (ICRACE-2021)**  
**September 17 - 19, 2021, Online Mode, Macro Program Schedule**  
**Organised by Department of Civil Engineering, NIT Silchar.**

Day 3: 19-09-2021 (Sunday) Time : 10.30 – 12.30

**Session –XXIII : Geotechnical Engineering & others**

**Google Meeting Link:**

**Chair – Dr. Monowar Hussain, Co chair – Dr. A. Paul, Coordinator – Dr.Monowar Hussain**

Sl.No	Paper Id	Authors Name	Paper Title

Day 3: 19-09-2021 (Sunday) Time : 10.30 – 12.30

**Session –XXIV : Water Resource Engineering & others**

**Google Meeting Link: <https://meet.google.com/qhy-nwev-rbu>**

**Chair – Prof. U Kumar, Co chair – Dr. V V Kulkarni, , Coordinator – Dr.Briti Sundar Sil**

Sl.No	Paper Id	Authors Name	Paper Title
17	ICRACE-ID-259	Ankur Sharma, Ruchi Khare, M.K. Chaudhary	Development of Decision Support System for Bina River Basin using WEAP Model
18	ICRACE-ID-299	Rupam Gayan and Parthajit Roy	One dimensional steady flow hydraulic model for flood inundation mapping
19	ICRACE-ID-02	Neethu Elsa Anil , Reshma Kassim and Sinu Philip Varghese	A PRAGMATIC APPROACH TO TIME AND COMPENSATION FOR DELAY AND SETTLEMENT OF DISPUTES IN CONTRACT CLAUSES

Day 3: 19-09-2021 (Sunday) Time : 10.30 – 12.30

**Google Meeting Link:**

**Session –XXV : Transportation Engineering & others**

**Chair – Prof.xxx , Co chair – Prof.xxxx , Coordinator – Dr.**

Sl.No	Paper Id	Authors Name	Paper Title

Day 3  
19-09-2021  
(Sunday)

15.00 – 16.00

Key Note by **Prof.P.Rathish Kumar**  
NIT Warangal, India

16.00 – 17.00

Valedictory

**International Conference on Recent Advances in Civil Engineering (ICRACE-2021)**  
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**Organised by Department of Civil Engineering, NIT Silchar.**

**International Conference Virtual meet Link Details: 17<sup>th</sup> September to 19<sup>th</sup> September 2021**

Sl.No	Program	meet link
01	Inauguration	<a href="https://nits.webex.com/nits/j.php?MTID=m99ce36a7b9abea4717da93799138e20b">https://nits.webex.com/nits/j.php?MTID=m99ce36a7b9abea4717da93799138e20b</a>
02	Keynote by Experts	
03	Valedictory	
04	Structural Engineering Sessions	<a href="https://meet.google.com/hak-nosb-mht">https://meet.google.com/hak-nosb-mht</a>
05	Structural Dynamics & Earthquake Engineering Sessions	<a href="https://meet.google.com/xdy-csvb-hnj">https://meet.google.com/xdy-csvb-hnj</a>
06	Geotechnical Engineering Sessions	<a href="https://meet.google.com/zmb-ypdk-dqg">https://meet.google.com/zmb-ypdk-dqg</a>
07	Water Resource Engineering Sessions	<a href="https://meet.google.com/qhy-nwev-rbu">https://meet.google.com/qhy-nwev-rbu</a>
08	Transportation Engineering Sessions	<a href="https://meet.google.com/qft-xskt-quj">https://meet.google.com/qft-xskt-quj</a>

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Director, NIT Silchar

**Convener**



Dr Parthajit Roy,  
HOD CED, NIT Silchar.

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Assistant professor



Dr. Briti Sundar Sil,  
Assistant professor



Dr.L.V.Prasad M.,  
Assistant professor



Dr.M. Hussain  
Assistant professor



Dr.Kh.L.Singh  
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**Conference Chairman: Prof. Satyabrata Choudhury**

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