



# Second International Conference on Advances in Civil Engineering 2025

02 - 04 April 2025

## Online Conference Schedule

| Date and Day               | Activity             | Time (Indian Std. Time) | Google Meet Links |
|----------------------------|----------------------|-------------------------|-------------------|
| 02 April 2025<br>Wednesday | Inauguration         | 10.30 am to 11.15 am    |                   |
|                            | Keynote Speech 1     | 12.05 pm to 12.50 pm    |                   |
|                            | Session F1           | 01.00 pm to 02.30 pm    |                   |
|                            | Session F2           | 02.30 pm to 04.00 pm    |                   |
| 03 April 2025<br>Thursday  | Keynote Speech 2     | 10.45 am to 11.30 am    |                   |
|                            | Session S1           | 11.30 am to 01.00 pm    |                   |
|                            | Session S2           | 01.00 pm to 02.30 pm    |                   |
|                            | Session S3           | 02.30 pm to 04.00 pm    |                   |
| 04 April 2025<br>Friday    | Session T1           | 10.00 am to 11.30 am    |                   |
|                            | Valedictory Function | 03.00 pm to 03.45 pm    |                   |

❖ All presentations will be conducted online.

## Important Guidelines for Authors

- ❖ All sessions will be online and initiated 10 minutes before scheduled time. All authors are requested to join at least 5 minutes before the start of the session.
- ❖ Authors are requested to attend the full session from the start. The internal session sequence may be subject to change in case of No Show Paper.
- ❖ **Non presented papers will not be considered for the further publication process.**
- ❖ The time allotted for each paper is 10 minutes (8 minutes for presentation and 2 minutes Q & A)
- ❖ Authors are free to select their PPT template. Please add Paper Title, Authors Names and Affiliations in the First slide. Use appropriate font color and size.
- ❖ You are kindly invited to attend the Conference Inauguration on 02 Apr 2025.
- ❖ The session can be attended by all authors. The answers during Q & A can be given by any author. Corresponding authors are requested to share the meeting links with co-authors.
- ❖ Please refer to the conference website for updates. [www.icace.in](http://www.icace.in)
- ❖ Please add the paper ID, Authors, Title and Session during communication so that we can assist you quickly. Email: [info.icace@gmail.com](mailto:info.icace@gmail.com)

## ICACE 2025: Paper Presentation Sessions

Online Session: F1 | Wednesday, 02 April 2025 | 01.00 pm to 02.30 pm (IST)

| Paper ID | Paper Title   | Authors  |
|----------|---|--|
| 1006     | Cost-Efficient High-Performance Concrete: Evaluating Material Replacements for Economic Viability | Sumith Gujjeri and Kalyan M  |
| 1008     | A Comparative Study of GFRP and TMT Rebars in Reinforced Concrete Structures Using Etabs          | Sanat Prabhudessai and Ganesh Hegde  |
| 1010     | Effect of Admixture on Properties of Concrete - A Review  | Kaushal Kumar, Rishabh Bhardwaj, Shoeb Akhtar and Yasir Karim  |
| 1023     | Experimental Investigation of Porous Concrete for Various Conditions                              | Piyush Prakash, Tanmay Katariya, Badal Kumar, Geetanjali , Arpit Kumar and Sarvpriya Sharma                                    |
| 1027     | Comparative Analysis of Self-Compacting Concrete (SCC) with Normal Conventional Concrete (NCC)    | Sarthak Rathi Rathi, Ketan Bhati, Sandeep Singh, Santosh Bhan and Shikha Tyagi   |
| 1047     | A Comparative study on properties of High Performance Alkali Activated Concrete - A Review        | Prabha Predeep and Thejas H K  |
| 1048     | Numerical modelling of corrosion of steel reinforcement in concrete and corrosion mapping         | Aftab Hussain Shaikh and Ganesh Hegde  |
| 1055     | Experimental Investigation on Partial Replacement of Cement By Graphite Powder                    | Kaustubh Aaba Joshi, Mohammed Burhanuddin Bhanpurawala, Tanvi Rajesh More, Prathamesh Nilesh Bhalekar and Sanika Vinay Jaygade |
| 1049     | Influence of Alccofine on Fresh and Hardened Properties of M50 and M60 Grade Concrete             | B. Raj Kumar, K. Swetha Harika , G. Sai Aravind , Ch. Hemalatha and A. Nagaraju  |

Online Session: F2 | Wednesday, 02 April 2025 | 02.30 pm to 04.00 pm (IST)

| Paper ID | Paper Title  | Authors  |
|----------|--|--|
| 1009     | Performance-Based Assessment of a Soft-Story RC Frame with Concentric and Gapped Inclined Bracing Systems    | Vaishnavi Ramesh Kadam and Dhiraj Dipak Ahiwale                                  |
| 1018     | Effect of soft storey conditions on the seismic performance of tall concrete structures- A Literature Review | Shreya Pednekar and Gurusvendra Velip  |
| 1013     | Application of 3D Modelling of Historical Structure  | Varad Vishwajit Shirodkar and Ganesh Hegde                                       |
| 1031     | Comparative study of traditional vs modern techniques for historical building preservation                   | Amey Naik and Purnanand Savoikar   |
| 1032     | Pre and Post Disaster Rehabilitation of RCC Structures- A Literature Review                                  | Divya Dilip Naik and Purnanand Savoikar  |
| 1030     | Identifying Factors Affecting For Selection of Supplier in Micro & Small Construction Work                   | AMAN Pandey, Jishnu Gohel and Samir Patel  |
| 1044     | Pushover Analysis of Reinforced concrete Building  | Vyshnavi Gangula , Shiva Udari , Chaitanya Kadambala and Koteswara Venkata R. P. |
| 1028     | World's highest Rail bridge: Case Study of Chenab Rail bridge  | Deepak Sundrani and Utpal Saikhedkar   |
| 1014     | Damage Detection and Quantifying Using Infrared Thermography of a concrete Dome                              | Uddhesh Ulhas Velip and Ganesh Hegde   |

Online Session: S1 | Thursday, 03 April 2025 | 11.30 am to 01.00 pm (IST)

| Paper ID | Paper Title  | Authors  |
|----------|--|--|
| 1090     | A Review on the Effect of Ceramic Waste and Nano- Silica on the Strength and Durability of Geopolymer Brick                | N Hema Gaithri   |
| 1012     | Influence of Various Source Materials on the Strength of Geopolymer Mortar   | Rushikesh Ramesh Khartode and Subhash Vasantrya Patankar                           |
| 1015     | Strength and Durability of Geopolymer Paver Blocks: A Short Review   | Dany Devanesan and Sujatha Unnikrishnan  |
| 1042     | Study on Strength and Durability of Fly Ash Based Geopolymer Concrete  | Kranthi Kumar Kanapuram, Chaitanya Kadambala, Nagaraju Avari and Praveen Oggu      |
| 2005     | A state of art review on the performance of Geopolymer Concrete  | Krunali Jaymin Savalia Savalia and Vimalkumar Patel                                |
| 1036     | A Review on Use of Recycled Materials in Production of Self Compacting Concrete  | Aditya Ranjan Yadav, Badri Vishal Tripathi, Rajeev Krishna and Shikha Tyagi        |
| 1017     | Analysing the Effectiveness of Sacrificial Anodes in Corrosion Control: A FEM Approach                                     | Aidan Mesquita and Madhuraj Naik   |
| 1051     | Effect of Coarse Aggregate to Fine Aggregate Ratio & Solution Binder Ratio on Properties of Alkali Activated Slag Concrete | Nandaram Vaishnavi, Lakkam Prudwith Reddy, Peddolla Harsha Vardhan, Avari Nagaraju |
| 1026     | A study of influence of corrosion of reinforcement on tensile and bond strength  | Shubham Prashant Kamat and Purnanand Savoikar                                      |

Online Session: S2 | Thursday, 03 April 2025 | 01.00 pm to 02.30 pm (IST)

| Paper ID | Paper Title  | Authors   |
|----------|--|---|
| 3004     | Simulation modelling in Furrow Irrigation system using WinSRFR                           | Inayatali L Shah and T.M.V. Suryanarayana   |
| 3011     | Network Performance Analysis of Rural Water Distribution Systems Using EPANET            | Indrajeet Sahu, Boga Ganesh, Ramavath Poorna Chandar and Gunji Ajay Kumar                               |
| 3012     | Assessing the Impacts on Water Quality of A Newly Built Dam in Mauritius                 | Deejaysing Jogee, Meghnah Guptar and Manta Devi Nowbuth   |
| 3005     | Parametric Study on the Design of Reinforced Earth Retaining Wall                        | Pasham Bhasker, Tarini Jahnavi, Siddenki Yamini and Manche Rahul  |
| 3006     | Effect of Rice Husk Ash on Mechanical and Shear Strength Properties of Black Cotton Soil | Amgoth Venkatesh, Tarini Jahnavi, Balerao Kamaldas and Nenavath Prem Kumar                              |
| 3007     | Vibration Isolation Using Partially Filled Trenches                                      | Ankita Mazumdar and Ankurjyoti Saikia   |
| 3010     | Study on Strengthening of Sand using Reinforcement                                       | Rajesh Kumar Peddinti , Jahnavi Tarini , M Venkata Chaitanya, Praveen Voddiveni and Chaitanya Kadambala |

Online Session: S3 | Thursday, 03 April 2025 | 02.30 pm to 04.00 pm (IST)

| Paper ID | Paper Title   | Authors   |
|----------|---|---|
| 2010     | Resource Management in Construction Using IOT   | Tejkumar Patel, Samir Patel, Jishnu Gohel   |
| 2011     | Integrated Project Delivery Using Building Information Modelling: A Case Study of Building Project  | Krupaxi Poshiya, Jishnu Gohel and Samir Patel   |
| 4002     | An approach of Maintenance Management system of Rigid Pavement in India   | Tanu Chaturvedi, S S Goliya and P K Agrawal   |
| 4005     | Development of Hazard Perception Test for Motorized Two- Wheeler Drivers  | Nishant Mukund Pawar, Nishant Raj, Neetika Gupta, Mohammad Shoaib and Srilakshmi Thankappan |
| 4009     | Identification Of Black Spots On NH-40 (Kadapa-Kurnool) and NH-65 (Vijayawada-Machilipatnam) Using Weighted Severity Index Method In Andhra Pradesh | Pulla Reddy Bellaganti, Bangaram Naga Kiran   |
| 2021     | The Role of AI and BIM in Tomorrow's Smart Cities   | Harsh Kambli  |
| 2016     | Cost Optimization through Construction Waste Management   | Romil Raj Bhatia, Samir Patel, Jishnu Gohel, Aman Pandey                                    |

Online Session: T1 | Friday, 04 April 2025 | 10.00 am to 11.30 am (IST)

| Paper ID | Paper Title   | Authors   |
|----------|---|---|
| 1020     | Performance based seismic design and analysis of a multi storied building for different seismic zones in India- A Literature Review       | Saidutt Naik and Guruvendra Velip   |
| 1021     | Effect of shear wall position and thickness variation on tall concrete structures- A Review   | Jatin Rama Kurtikar and Guruvendra Velip  |
| 1029     | Dynamic soil-structure interaction analysis of a 20-storey building frame: a comparative study of parallel and series pile configurations | Radhika R. Jadhav, S A. Rasal and H. S. Chore   |
| 1040     | Comparative Seismic Performance Assessment of Regular and Irregular (G+15) RC Buildings Across Seismic Zones III, IV, and V in India      | Vaishnavi Vishnu Battul, Siddhi Kalamkar, Shraddha Kamble, Dimpal Patil, Sakshi Admane and Shubham Keskar |
| 1045     | Evaluation of Seismic Response of Irregular RC Buildings  | Mo Sharik and Nisha P Naik  |
| 1034     | CFD Analysis of Aerodynamic Performance of High-Rise Buildings with Re-entrant corners  | Saumya Yadav and Neelam Rani  |
| 1059     | Ancient Construction Methods and Their Carbon Footprint: Lessons for Sustainable Modern Architecture                                      | Ruisha Chari and Purva Kankonkar  |
| 1039     | Structural Evaluation and Feasibility Analysis of Offshore Wind Turbines in the Konkan Region   | Farhan Kachhawa, Nisha Naik   |