



DEPARTMENT OF CIVIL ENGINEERING

(Accredited by National Board of Accreditation)

P.E.S. COLLEGE OF ENGINEERING

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Following are the department published research papers at various journals and conferences, from January 2020 to June 2021.

- 1) A R Vinod and **R. M. Mahalingegowda** (2020) “An Initiative Batch Experimental Studies on Fibrous Materials as fixed beds for wastewater treatment” Indian Journal of Environmental Protection (IJEP), ISSN: 533-535, Vol. 40, No 5, May 2020,
- 2) **Dr. B S Jayashankar Babu** (2020) “Seismic performance of multi- storied R.C framed structure with corner floating column using IS 1893:2016”, IRJET, Volume 07, Issue 07, July 2020, e-ISSN:2395-0056.
- 3) **Dr. B S Jayashankar Babu** (2020) “Analysis of Buckling Behavior of Concrete filled Steel Tube Column Using Ansys”, IRJET, Volume 07, Issue 08, July 2020, e-ISSN: 2395-0056.
- 4) **Dr. B S Jayashankar Babu** (2020) “Study of Rigid frame, Core and outrigger structural systems under variable heights as per IS: 1893-2016”, IJRASET, Volume 08, Issue VII, July 2020, ISSN: 2321-9653, pp-1616-1664.
- 5) **Dr. B S Jayashankar Babu** (2020) “Seismic Analysis of 20 Story Reinforced Concrete Structure Under Core, Outrigger System and Belt-Truss”, JETIR, Volume 7, Issue 7, July 2020, ISSN- 2349-5162, pp 371-380.
- 6) **Dr. B S Jayashankar Babu** (2020) “Seismic Response of Fixed Base And Base Isolated RC Framed Building On Different Soil Condition”, IRJET, Volume 07, Issue 08, August 2020, e-ISSN: 2395-0056, pp 1-8.
- 7) **H.C Chowdegowda, Dr. R.M Mahalingegowda, Rajeshwari M.S** (2020) “Indoor Air Quality Monitoring at Rural Areas of Mandya District” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, pp. 1949- 1956, ISSN: 2005-4238.
- 8) **H.C Chowdegowda, Dr. R.M Mahalingegowda, Rajeshwari M.S** (2020) “Household Cooking Emissions Monitoring At Mikkere Village In Mandya District” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, pp. 1989- 1993, ISSN:2005-4238.

- 9) **Shambhavi S, Dr. R.M Mahalingegowda**, Dr. K C Manjunath (2020) “An Experimental Study on the Reduction of Temperature of Cool Pavement Specimens” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, ISSN: 2005-4238, pp. 2007- 2019.
- 10) **Abhishek G B** and **Dr. R.M Mahalingegowda** (2020) “Experimental Study on Ferrocement With Coir Fibers” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, pp. 2020- 2032, ISSN: 2005-4238.
- 11) **Naveen Kumar S, T.M.Prakash, Lakshmi P.S** (2020) Experimental Study of Concrete with Steel mesh as reinforcement and value added materials. International Journal of Science and Technology. Vol. 29 No.08 (2020), pp-2033-2044.
- 12) Vinodraj B.S, **Naveen Kumar S** (2020) “Study of strength and durability of steel mesh reinforced concrete with Steel slag and copper slag as value added material in concrete” International Research Journal of Engineering and Technology (IRJET) ISSN: 2395-0056, Vol. 07, Issue 08, pp-01-08.
- 13) **Naveen Kumar S, T. M. Prakash, Lakshmi P.S** (2020) “Experimental Study of Concrete with Steel mesh as reinforcement and value added materials” , Global conference on Advanced Smart & Sustainable Technology in Engineering0, Organised by Mangalore Institute of Technology & Engineering, Moodabidri, Mangalore, India
- 14) **Dr. Gopisiddappa** and **Shivraraj G Nayak** (2020) “Analysis of High Rise G+10 Steel And R.C.C Building Subjected To Blast Loading”, IJRASET, Volume 08, Issue VII, July 2020, ISSN: 2321-9653, pp-2150-2160.
- 15) **Sandeep Kumar D S** (2020) “Seismic Analysis of Buildings Resting On Sloping Ground With Soil Interaction”, IJRASET, Volume 08, Issue VII, July 2020, ISSN: 2321-9653, pp-2135-2149.
- 16) **Sandeep Kumar D S** (2020) “Utilization of SCBA As a Supplementary Cementitious Material In Concrete And Subjected To Elevated Temperature”, IRJET, Volume 07, Issue 07, July 2020, e-ISSN: 2395-0056, pp 1-7.
- 17) **Sandeep Kumar D S** (2020) “Parametric Study on Durability of Bagasse Ash Blended Concrete”, IRJET, Volume 07, Issue 07, July 2020, e-ISSN:2395-0056, pp 5481-5489.
- 18) **Shivaraj G Nayak**, Chethan K (2020) “Dynamic Behavior of Masonry infill 2D and 3D RC frames by Macro Analysis”. International Research Journal Of Engineering and Technology, p-ISSN 2395-0056, Vol. 07, Issue 07.
- 19) **Shivaraj G Nayak**, Amoghavarsha (2020) “Analysis of High Rise Steel and RCC Building subjected to Blast loading”. International Journal for Research in applied science & Engineering Technology, ISSN: 2321-9653, Vol8, Issue VIII.

- 20) Shubha Vinaya A.S , Sachitha H.D , Ravindra M.L, Darshan P, **Lakshmi P.S** (2020) “ Experimental Investigation of Sugarcane Bagasse Ash As Value Added Material on Strength of Masonry Prism”,
- 21) **Naveen Kumar S, T. M. Prakash, Lakshmi P S** (2020) “Experimental Study of Concrete with Steel Mesh as Reinforcement and Value Added Materials”, International Journal of Advanced Science and Technology Vol. 29, No. 08, (2020), pp. 2033- 2044.
- 22) **Abhishek G B and Dr. R.M Mahalingegowda** (2020) “Experimental Study on Ferrocement with Coir Fibers”, International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, pp. 2020- 2032, ISSN: 2005-4238.
- 23) Gayathri G, Mamatha P G, Beulah M, **Poorna Prajna S** (2020), “An Assessment of Ground Water Quality Index in Mandya City, Karnataka”, Journal of Indian Water Works Association, LII, No. 1, 33-41.
- 24) Spoorthi S, **Divyashree M, T M Prakash** (2020), An Experimental Study On The Influence Of Sisal Fiber & Combination Of Sisal And Steel Fiber Reinforcement On The Properties Of Self Compacting Concrete & Conventional Concrete, International e-conference,Recent Advancement on Civil Engineering, Construction Techniques and Materials, JIET Jodhpur on 21-22 July 2020
- 25) Divya P, **Divyashree M, T M Prakash** (2020), Investigating The Effect Of Steel Fiber Reinforcement And The Combination Of Steel & Sisal Fibers On The Properties Of Self Compacting Concrete, International e-conference, Recent Advancement on Civil Engineering, Construction Techniques and Materials, JIET Jodhpur on 21-22 July 2020
- 26) **Dr.T M Prakash** (2020) “Study of floating column in multistory building subjected to seismic load using pushover analysis”, IJRASET, Volume 07, issue 08, August 2020.e-ISSN:2395-0056, p-ISSN:2395-0075.
- 27) **Shambhavi S, Dr R M Mahalingegowda, Dr K C Manjunath** (2020). An Experimental Study on the Reduction of Temperature of Cool Pavement Specimens. International Journal of Advanced Science and Technology Vol. 29, No. 08, (2020), pp. 2007- 2019. (Scopus Indexed)
- 28) Tejaswini. R, Monica. M, **Ashwini B** (2020) “Design of Water Supply Distribution Network Using Epanet Software – A Case Study of V V Nagar, Mandya”. IRJET, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol.07, Issue 08, pp.3286-3291.
- 29) Tejaswini. M V, Grace Lalremdiki Sailo, **Ashwini B** (2020) “Design of Water Supply Distribution Network Using Epanet Software – A Case Study of Kuvempu Nagar, Mandya”. IRJET, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol.07, Issue 08, pp.1582-1587.

- 30) Parvathi C, **Shaym Prasad H R**, Dr. H J Puttabasave Gowda “Comparative study on seismic behavior of multi- storied structures with composite column on sloping ground”, IRJET, Volume 07, Issue 08, August 2020, e-ISSN: 2395-0056, pp 830-836
- 31) Guru Lingappa, Ireen Jose, Nischitha M, Prashanth B M, **Rashmi M P**, Sowjanya S V (2020) “An Experimental Study on Bacterial Concrete using Bacillus Subtilis and Bacillus Megaterium” IRJET Volume 7, Issue 08, Impact factor 7.529 on August 2020.
- 32) **Madhusudhan M S**, Vandana P, Tahir Arif Peer, Manoj G. (2020) “Dam Break Analysis of Krishnarajasagara Dam due to Overtopping Failure by HEC-RAS” at International Research Journal of Engineering and Technology (IRJET), Vol. 7, Issue 8, pp. 476-480, August 2020.
- 33) **Madhusudhan M S**, Anand V Shivapur, Basavaraj D Badiger. (2020) “Design of Water Supply Distribution Network using EPANET Software for Palahalli Village, Mandya District, Karnataka.” at International Research Journal of Engineering and Technology (IRJET), Vol. 7, Issue 8, pp. 44-49, August 2020.
- 34) **R. K. Kumaraswamy** , Poornima, R. K , A. S. Ravikumar (2021) “Quantitative Analysis of Morphometric and Hypsometric using RS and GIS Techniques”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 9, Issue 1, pp: 27-31, Special Issue – 2021.
- 35) **S. Poorna Prajna**, Mohamed Ilyas Anjum, **P S Lakshmi**, G Gayathri, M Beulah, M R Sudhir (2021) “A comprehensive investigation of the effect of mineral additives to bituminous concrete” *Materials Today: Proceedings*, Science Direct Journal, Elsevier Publication, Volume 46, Part 1, Pages 714-721, 2021, ISSN: 22147853, <https://doi.org/10.1016/j.matpr.2020.12.090>.
- 36) **S Poorna Prajna, P S Lakshmi**, G Gayathri, M Beulah, M R Sudhir (2021) “Transitions in rheological properties of modified bitumen containing chemical additives”, presented and published at 3rd International Conference on Advances in Civil Engineering at KL University, Andhra Pradesh during 25th – 26th June 2021.
- 37) **Madhusudhan M S**, H J Ningaraju, Shashank Patil M R (2021) “Analysis of Rainfall Trend Series using Mann-Kendall and Sen’s Slope Estimator Statistical Test in Mandya District, Karnataka”, International Research Journal of Engineering and Technology (IRJET), Vol. 8, Issue: 5, pp: 3387-3393, May 2021.
- 38) **Madhusudhan M S**, Vinay S N, Savitha J C, Nazeer M Gadad, Srikanth M N (2021) “Crop Water and Net Irrigation Requirement of Major Crops Grown in Mandya City using Cropwat 8.0”, International Journal of Engineering Research & Technology (IJERT), Vol. 10 Issue 06, pp: 45-50, June-2021.

- 39) **Madhusudhan M S**, Yogeesh K C, Sahana M S, Prakruthi R, Varun L (2021) “Application of SWAT model in estimating Surface Runoff values for Shimsha Watershed” International Journal of Engineering Development and Research , Volume 9, Issue 3, ISSN: 2321-9939, 2021.
- 40) **Sandeep Kumar D.S**, Chethan, K., & Kumar, B. C. (2021). Effect of Elevated Temperatures on Sugarcane Bagasse Ash-Based Alkali-Activated Slag Concrete. Sugar Tech, 23(2), 369-381.
- 41) **Sandeep Kumar D.S**, Chethan, K., & Kumar, B. C. (2021). Effect of Alkali Solution Dosage on Sugarcane Bagasse Ash Based Sustainable Alkali Activated Slag Concrete. Ecology, Environment and Conservation, 27(2), 331-336.
