



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, INDIA
Approved by All India Council for Technical Education, New Delhi
UG programs accredited by NBA: CIVIL, CSE, ECE, E&IE, ISE, IEM & MECHANICAL ENGG.

DEPARTMENT OF CIVIL ENGINEERING

Faculty Pursuing PhD:

Faculties are encouraged to do Ph.D. and currently seven faculties have registered and pursuing their Ph.D.

Laboratory Facilities for Research Activities

















PUBLICATIONS

1. Dr.Nagabhushana “Effect of Salt Water on Compressive strength of Concrete”, International Research Journal of Engineering and Technology (IRJET), Vol. 4(May- 2017).
2. S.V.Tarun, G.M.Swamy, Dr.Rathnakar and Dr.Nagabhushana “Application of Processed blast furnace slag as fine aggregate in mortar and plastering”, International journal of innovative research in science,engineering and technology, ISSN : 2319-8753(online), Volume No. 4, Page No 11116-11123.

3. C. S. Shashikumar, M. Keshavamurthy and B. S. Santhosh, "Evaluation of strength properties of high volume fly ash concrete incorporating nanomaterials", AIP Conference Proceedings 2204, 020021 (2020); <https://doi.org/10.1063/1.5141558> , Published Online: 10 January 2020, pp 020021-1-020021-8.
4. Santhosh B S, "Determining the Rheological properties of Fresh Concrete using Concrete Shear Box", Published in "International Journal of Engineering and Advanced Technology (IJEAT)", ISSN: 2249 8958, Volume No.9, Issue No.1, October 2019, pp 351-360.
5. Santhosh B S, Madhukar B R, Priyanka B K, Meghana K C, Paper titled, "Design of Total Water Management Solutions to JSSATE Campus" , Published in "International Journal of Advance Research and Innovative Ideas in Education", ISSN 2395 4396, Volume 5, Issue 03, June 2019 pp 1660-1669.
6. Santhosh B S, Chitra K R, Deepthi K P Prabhavati, Santhoshakumar, Paper titled, "Effect of Sea Water on Fresh and Hardened Properties of Concrete", Published in "Journal of Emerging Technologies and Innovative Research", ISSN 2349 5162, Volume 6, Issue 5, May 2019, pp 178-183.
7. Santhosh B S, Bhavana D R, Rakesh M G, Paper titled "Mycelium Composites: An Emerging Green Building Material" is published in "International Research Journal of Engineering and Technology, ISSN 2395 -0056, Volume 05, No 6, June 2018, pp. 3066-3068.
8. Santhosh B S, Raghavendra N R, Deepesh Jain, Vishal Singh, Ayush Pareek, Paper titled "Strength of Corrugated Roofing Elements Reinforced With Coir" is published in "International Research Journal of Engineering and Technology, ISSN 2395 -0056, Volume 04, No 6, June 2017, pp. 2371-2374.
9. Girish S, Santhosh B S, Paper titled "Determination of Bingham Parameters of Fresh Portland Cement Concrete Using Concrete Shear Box" is published in "Bonfring International Journal of Industrial Engineering and Management Science", ISSN 2277-5056, Volume 02, No 04 SPL, December 2012, pp. 84-90.
10. Girish S, Santhosh B S, Paper titled "A new methodology to study the rheological properties of fresh Portland cement concrete" is published in "International Journal of Earth Sciences and Engineering" indexed in Elsevier- USA, Scopus Compendex, ISSN 0974-5904, Volume 04, No 06 SPL, October 2011, pp. 797-800.
11. Girish S, Santhosh B S, Paper titled "A Unique Procedure For Finding The Rheological Properties Of Fresh Portland Cement Concrete Using Concrete Shear Tests", in RILEM Proceedings PRO 90 of 1st International RILEM Conference on Rheology and processing of construction materials and 7th International RILEM symposium on Self Compacting Concrete, Paris, France, ISBN: 978-2-35158-137-7, ISBN 978-2-35158-138-4 (eBook), 2- 4th September 2013, pp. 365-372.
12. Girish S, Santhosh B S, Paper titled, "Concrete Shear Test: A new tool for determining rheological properties of fresh Portland cement concrete", in Proceedings of International Conference on "Civil Engineering and Building Materials" (CEBM-2012), Taylor & Francis Group, London, UK, ISBN: 978-0-415-64342-9, ISBN 978-0-203-38807-5 (eBook), 17-18 November 2012, pp. 289-294.
13. Girish S, Santhosh B S, Paper titled "Rheological Measurement of Fresh Portland Cement Concrete Using Direct Shear Box Tests", Proceedings of the International Conference on "Concrete in the Low Carbon Era" University of Dundee, Scotland, UK, ISBN 978-0-9573263-0-9, 9-11 July 2012, pp. 287-302.
14. Girish S, Santhosh B S, Paper titled "Reproducibility of Rheological Properties of Fresh Portland cement Concrete Following a Simple Unique Procedure Using Concrete Shear Tests" in proceedings of 4th international workshop on Performance, Protection and Strengthening of Structures under Extreme Loading, Organized by Building Fire Research centre, The National Institute of Engineering, Mysore, India and University of British Columbia, Canada, held at Mysore, 26-27 August 2013.

15. Girish S, Santhosh B S, Paper titled “Determination of Bingham Parameters of Fresh Portland Cement Concrete”, in Proceedings of International Conference on “Advances in Architecture and Civil Engineering”, organized by School of Architecture and Department of Civil Engineering, MS Ramaiah Institute of Technology, Bangalore. ISBN: 978-93- 82338-01-7, 21-23 June-2012, pp.105-111.
16. Ranganath R V, Nandeesh R C, Girish S, Santhosh B S,,Paper titled “Repeatability of rheological parameters of SCC (Slag as Filler) using direct shear box”, in Proceedings of International Conference on “Advances in Architecture and Civil Engineering”, organized by School of Architecture and Department of Civil Engineering, MS Ramaiah Institute of Technology, Bangalore. ISBN: 978-93- 82338-01-7, 21-23 June-2012, pp. 98-104.
17. Santhosh B S, Girish S, Paper titled “A Scientific Approach for Determining the Workability of Concrete” In Proceedings of National Conference on “Smart and Sustainable Construction”, SASC-2018, Organized by Department of Civil Engineering Adichunchanagiri Institute of Technology, Chikkamagaluru, Karnataka, India, 16th May , 2018, pp 224-232.
18. Santhosh B S, Shashikumar C S, Paper Titled “Rheology: A Scientific Method to measure Workability”, in Proceedings of Regional workshop on “ Engineering challenges related to the concept of new materials in construction industry” organised by Department of Civil Engineering, Dayananda Sagar College of Engineering, Bengaluru, 19th September 2018, pp 88-90
19. Sanjay Shekar N. C. and Hemalatha H.N. (2021). “Land use and Land Cover Characteristics using Bhuvan and MODIS Satellite Data.” International Journal of Recent Technology and Engineering (IJRET), ISSN: 2277-3878, 9 (5), 289-294.
20. Sanjay Shekar N. C. and LakshmanNandagiri (2019). “Penman-Monteith Evapotranspiration Model with Bulk Surface Conductance Derived from Remotely Sensed Spatial Contextual Information.” International Journal of Remote Sensing (IJS), ISSN: 1366-5901, 41 (4), 1486-1511.
21. Sanjay Shekar N. C. and LakshmanNandagiri (2016). “Actual Evapotranspiration Estimation using a Penman-Monteith Model.” International Journal of Advances in Agricultural and Environmental Engineering (IJAAEE), ISSN 2349-1523, 3 (11), 161-164.
22. Sanjay Shekar N. C. and LakshmanNandagiri (2016). “Latent Heat Flux Estimation in a Sub-Humid Tropical Region using a Satellite-Based Penman-Monteith Model.” International Conference on Civil, Environment and Waste Mgmt (CEWM), ISBN: 978-93-84422-61-5, 84-87.
23. Sanjay Shekar N. C. and Hemalatha H.N. (2021). “Assessment and valuation of MODIS evapotranspiration data product in an ungauged tropical river basin” Tropical Ecology, Springer Nature, ISSN: 2661-8982 (Revisions being processed).
24. Sanjay Shekar N. C. and Vinay D.C. (2021) “Performance of HEC-HMS and SWAT hydrological models” Water SA, ISSN: 0378-4738 (Under Review).
25. Hemalatha H. N, Mahesh S, Nanjundaswamy S, Sahana M “Hybrid dual treatment of real textile wastewater using electrochemical treatment (ECT) and membrane bioreactor (MBR)”, Desalination and Water Treatment, Indexed in Web of Science, Vol. 140, 2019, pp 50–57.
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32. Abdul Razak B.H., Gowri Ramesh, Impana P, Sharath K R, Yadhunandan B, “Influence of GGBS on Mechanical Properties of Low Traffic Concrete Paver Blocks”, International Journal for Research in Applied Science & Engineering Technology, Vol. 8(2), 2020, pp 2914-2920. DOI:<http://doi.org/10.22214/ijraset.2020.5490>
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40. Abdul Razak.B.H and Madhukeshwara.J.E, “Impact of quarry dust and fly ash on the fresh and hardened properties of self compacting concrete”, International Research Journal of Engineering and Technology (IRJET) ,ISSN 2395-0056,2015, 2(8) , pp.786-795.
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43. Vivek.S, paper titled “Stabilization Of Marine Soil Using Crushed Brick Powder” in International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN 2321-9653 Volume 7, Issue IV, April 2019.
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46. Vivek.S and Dr.S. Gangadhara, “Experimental Study on Effect of Cyclic Loading on Geo Grid Reinforced Plastic Mixed Sand”, Journal of Advance Research in Dynamical & Control Systems, Vol. 10, Issue No. 5, 2018
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54. Vivek.S, Gautham Raj and Swathi S, “Sustainability of water resources by Hydroponics”, First National Conference on Green computing technologies @ DayanandSagarAcademy of Technology and management., 2015.
55. Vivek.S, Gautham Raj and Swathi S, “Integrated Asset mapping-a review”, presented in National Conference on “ Recent Advancements in Infrastructure Developments-RAID 2015” at JSSATE, Bangalore in 2015.
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58. Abhishek R., Shashi Kumara S.R., Factors Influencing Productivity of Construction Labour – A Survey, Proceeding of International Conference (Virtual) on Civil Engineering Trends and Challenges for Sustainability (CTCS 2020) during, December 22nd and 23rd, 2020, organized by the Department of Civil Engineering, N.M.A.M Institute of Technology, Nitte, Karkala.
59. Shashi Kumara S. R., B.C. Udayashankar, D.L. VenkateshBabu, Pre-peak Flexural Performance Evaluation of Fiber Reinforced Concrete Beams, International Journal of Advanced Science and Technology, Vol 29, No. 8, 2020, pp 1980-1985, <http://sersc.org/journals/index.php/IJAST/article/view/23286>.

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75. Rashmi S.M, BasavarajAkki “Performance Studies on white topping layers over flexible pavement”, *IOP Conf. Series: Materials Science and Engineering* 981 (2020) 032076
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77. Rashmi SM, R. Suhas , D. Ravi Kiran , P. S. Darshan, A. Tharun Paper titled “Strengthening of weak subgrade using Geo nailing technique”is published in *IJRESM Volume 3,Issue 8, May 2020*

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80. Rashmi S.M “COMPARISON OF TRAVEL ASPECTS BETWEEN DIFFERENT MODES OF TRANSPORT ”International Research Journal of Engineering and Technology (IRJET), Vol. 5(May-2018).
81. Abhishek R., Shashi Kumara S.R., Factors Influencing Productivity of Construction Labour – A Survey, Proceeding of International Conference (Virtual) on Civil Engineering Trends and Challenges for Sustainability (CTCS 2020) during, December 22nd and 23rd, 2020, organized by the Department of Civil Engineering, N.M.A.M Institute of Technology, Nitte, Karkala.
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86. Harshitha M N, Deviprasad Y, Shashank S M, Achyut Joshi, Mallikarjun S M, “Study on Effect of recycled plastic waste as replacement to the Fine Aggregate”, International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume-8 Issue-8, December, 2020
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88. Harshitha M N, Fyroz S D, Naveed Pasha , Paper titled “ Study on properties of glass fiber reinforced self compacting concrete using Fly Ash” published in” International Journal of Technical Research and Applications”, ISSN:2320-8163, Volume 7, Issue 3 May- June 2019.
89. Harshitha M N, Amit kumar, Harini, Kusuma, Prashanth Kumar, Paper titled “ Self Healing Concrete” Published in “International Research Journal of Engineering and Technology” ISSN 2395-0056, Volume 5 Issue 5 May 2018.
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91. Pramukh N, R L Prajwal, B M Darshan, S Sunil Kumar, C L Santosh paper titled “ Study on Utilization of Plastic Waste in Construction of Flexible Pavement” published in International Journal of Research in Engineering, Science and Management, 2581-5792, Volume-03, Issue-07. July-20201.
92. Pramukh N, Hemanth H, Pooja R, Rakshith H, Charankumar K M, Paper titled “Warm Mix Asphalt”published in “International Journal of Civil and Structural Engineering Research(IJC SER)” ISSN 2348-7607, VOL.7 ISSUE 1, PP.46- 51, APRIL 2019-SEPTEMBER 2019.
93. Pramukh N, Jayadeva N, Shashank S, Anandsagar and Rahul Sona, paper titled”Replacement of Coarse Aggregates with Steel Slag in Hot Mix Asphalt”published in “International Journal of Research in Engineering & Technology (IJRET)”, Volume: 07 Issue: 07 |July 2018 p-128-131.
94. Pramukh N, K. M. Mallesha and Dr Mohammed Anjum paper titled”Influence of Combined flakiness and elongation Indices of coarse aggregates on properties of Bituminous concrete mix with

NMAS of 12.5mm”published in “International Journal of Research in Engineering and Technology (IJRET)”,ISSN: 2319-1163 Volume: 04 Issue: 04, May 2015

95. Apoorva S, Ajay K R, Bhavyashree R, Lokesh M, Prithvirani S paper titled “Seismic analysis of high rise building G+24 usinEtabs" published International Research Journal of Engineering and Technology (IRJET) ISSN: 2395-0056, Volume: 07 Issue: 08 | Aug 2020.

96. Apoorva S paper titled “Comprehensive analysis of Outrigger system for high rise structures subjected to wind and earthquake loadings” in International conference on “Civil Engineering trends and challenges for sustainability CTCS-2020” during December 22nd and 23rd, N.M.A.M Institute of technology, Nitte, Karkala.

97. Rashmi S M1 , K Rajesh Kumar2 , Basavaraj Akki3 and I Rajasri Reddy4 paper titled “Performance Studies on white topping layers over flexible pavement” in IOP Conf. Series: Materials Science and Engineering 981 (2020) 032076, doi:10.1088/1757-899X/981/3/032076

98. BasavarajAkki, Bheemareddy, PrathapPandit, Ramya M, Yamini N paper titled “Stabilization of Black Cotton Soil using Terrazyme Enzyme” - in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume No. 8, Issue No. VIII, 2020, International Journal for Research.

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Funded Research:Nil

Internal Research scholar Pursuing Ph.D under VTU Research Centre, Civil Dept:
Nil

External Research scholar Pursuing Ph.D under VTU Research Centre, Civil Dept:
Nil

Research Guides and Areas Available for Ph.D Programs: Nil