



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering**



Faculty Publications Details

1. International Journals

Sr No.	Name of the Faculty	Academic Year	Details
1	Dr. S. T. Mali	CAYm1 (2020-21)	1. "A Review for Watershed Management Practices – Analysis and Development" in International Journal for Research and Development in Technology, volume -14, Issue-1, pp.115-120. ISSN (O): 2349-3585 on July 2020
			2. "Analysis and Development of Watershed for Ruikhed Village, Maharashtra- A Case Study" at International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 08, pp.-2265-2270, e-ISSN: 2395-0056 on August 2020.
		CAYm2 (2019-20)	1. "Effect of Escalation on Construction Projects", in Journal of Emerging Technologies and Innovation Research (JETIR), Volume 6, Issue 6, pp. 133-138. (ISSN-2349-5162).
			2. "Pressure driven approach in water distribution network analysis: A Review" in The International journal of analytical and experimental modal analysis, Volume XI, Issue VII, July/2019, Page No:877-896, ISSN NO: 0886-9367.
2	Mrs. S. S. Motegoankar	CAYm1 (2020-21)	1. "Implementation of district metering area (DMA) in Zone 11 of water distribution network of Ambikapur Town for effective water management", International Research Journal of Engineering and Technology
		CAYm2 (2019-20)	1. "Pipe Distribution Network: An Advanced and Alternative Technique to Replace, Open Channel for Irrigation, A case study", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE),
3	Dr. A. K. Gaikwad	CAY (2021-22)	1. 'Implementation of Six Sigma for Quality Evaluation at Ready Mix Concrete (RMC) Plant' at International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume 8, Issue 7, July 2021, pp: 4364-4370. www.irjet.net .
		CAYm1	1. "Feasibility study for residential construction project: A case study" in International Research Journal of Engineering and Technology, e-ISSN:2395-0056, Volume:08, Issue 5/5/2021

		(2020-21)	2. “Analytical Hierarchy Process (AHP) for Feasibility of Ready-Mix Concrete Plant”, Wutan Huatan Jisuan Jishu, ISSN: 1001-1749, Vol. XVI (VI), pp: 131-146 on June 2020.
		CAYm2 (2019-20)	1. “App for Optimizing Number of Trucks for Dispatching Operation of Concrete Plant”, by ‘ESRSA’ in ‘International Journal of Innovative Technology and Exploring Engineering (IJITEE)’, ISSN: 2278-3075 (Scopus), Volume. 8, Issue. 12th October 2019, Page No.:1885-1887.
			2. “Complete Optimizer for Dispatching Schedule of Ready-Mix Concrete Plant”, by ‘ESRSA’ in International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 (Online), Volume. 8, Issue. 8th August 2019. Page No.: 624-630.
			3. “Genetic Algorithm based Optimized Un-Interrupted Dispatching Schedule for Ready Mix Concrete truck with User friendly Interface on Single window (Single Plant Multi-sites)”, in ‘Blue Eyes Intelligence Engineering and Sciences Publication’ which has in ‘International Journal of Recent Technology and Engineering (IJRTE)’, ISSN: 2277-3878 (Online), Volume-8 Issue-2nd July 2019. Page No.: 3276-3281.
			4. “Feasibility Study of Cow Dung Ash as a Disinfectant in Water”, GRD (Global Research and Development Journal for Engineering), ISSN: 2455-5703, Vol. 4, Issue 7, June '2019.
4	Mr. R. S. Chaudhari	CAYm1 (2020-21)	1. ‘An Analytical Approach by Researchers to Find Factors Affecting Labour Productivity in the Construction industry-A Review’ at IJETIR April 2020, Volume 7, Issue 4 www.jetir.org (ISSN-2349-5162), Pg 1-6
		CAYm2 (2019-20)	1. ‘Experiment on Reuse of Effluent in Casting and Curing of Concrete’ at International Journal of Engineering and Advanced Technology (IJEAT) ISSN:2249-8958, Volume -9 Issue-4, April 2020
			2. “Effect of Escalation on Construction Projects”, in Journal of Emerging Technologies and Innovation Research (JETIR), Volume 6, Issue 6, pp. 133-138. (ISSN-2349-5162).
5	Mr. S. B. Gorade	CAYm2 (2019-20)	1. Performance Study of Waste Plastic and Industrial Waste Based Polymer Concrete, Pramana Research Journal, Volume 09 , Issue 05, 2019.
			2. Bituminous Paving Block-A Solution to Plastic and Demolished Concrete Waste Management, Pramana Research Journal, Volume 09 , Issue 05, 2019.
6	Mrs. K. D. Dhapekar	CAY (2020-21)	1. ‘Analysis of RCC Building subjected to Surface Blast Loading’ at International Research Journal of Engineering and Technology (IRJET), Volume :07 Issue: 06th June, 2020, e-ISSN:2395-0056, p-ISSN:2395-0072, Impact Factor: 7.529
7	Mrs. P. V. Kalokhe	CAYm2 (2019-20)	1. Study of Partial Replacement of Cement by Fly Ash and Coarse Aggregate by Coconut Shell. International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.177 Volume 7 Issue VI, June 2019

8	Mr. S. P. Banne	CAYm1 (2020-21)	1. "Influence of wall friction on active earth pressure in Model test", STM Journals Journal of Geotechnical Engineering, Volume 8, Issue 1, PP 12-19
		CAYm2 (2019-20)	1. "Experimental investigation of laterite soil properties using ground granulated blast furnace slag" IJSRD International journal for scientific research and development, Volume 8 Issue 7, PP 754-758.
9	Mr. S. D. Kurhade	CAYm1 (2020-21)	1. "Use of plastic granules in geopolymer concrete as a partial replacement of fine aggregate" in International Research Journal of Engineering and Technology, Volume 7, Issue: 7/7/2020, e-ISSN: 2395-0056
		CAYm2 (2019-20)	1. "Improving route capacity of public bus transport: A case study of Route No. 298 of PMPML", Parmana Research Journal, Volume 9, Issue: 6, 2019, ISSN NO: 2249-2976
10	Dr. D. S. Lal	CAY (2021-22)	1. 'Design and Selection of Components for Automated Omni Directional Marking Vehicle' at International Research Journal of Engineering and Technology (IRJET) P-ISSN: 2395-0072, E-ISSN: 2395-0056 https://www.irjet.net/archives/V8/i6/IRJET-V8I6281.pdf
			2. Design and Development of Quad Copter with Paint Spray Mechanism at International Research Journal of Engineering and Technology (IRJET) P-ISSN: 2395-0072, E-ISSN: 2395-0056 https://www.irjet.net/archives/V8/i5/IRJET-V8I5852.pdf
		CAYm1 (2020-21)	1. 'A Review on effect of saline water and fresh water on concrete', in Wutan Huatan Jisuan Jishu International Journal, Volume 15, Issue 6, June 2020, Pages 433-442, ISSN- 1001-1749)
			2. 'Increase Service Life of RCC Structure Located Near Chloride Environment by Control on Corrosion: A Review', in Wutan Huatan Jisuan Jishu International Journal, Volume 15, Issue 6, June 2020, Pages 443-451, ISSN- 1001-1749)

2. National Journals

Sr No.	Name of the Faculty	Year	Details
1	Dr. S. T. Mali	CAYm1 (2020-21)	1. Optimization of dispatching schedule of Ready-Mix Concrete plant for multi plant and multi-site operation condition – A literature Review' at Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, 8(5), May 2021, pp: F783-F789. ISSN-2349-5162, 8(5) (www.jetir.org)
		CAYm2 (2019-20)	1. 'Study of anaerobic digestion process for methane production and residue generation', in Technical Journal of The Institution of Engineers (India) Pune Local Centre, under the aegis of Interdisciplinary Coordination Committee, IEI, Volume -43, November 2019. pp 63-70. ISBN No: 978-81-924990-7-9.

3. International Conferences

Sr No.	Name of the Faculty	Year	Details
1	Dr. S. T. Mali	CAY (2021-22)	1. 'A study on reuse of grit material from sewage treatment plant as a fine aggregate in concrete and feasibility for compost' at proceedings of International E-conference on Sustainable Development in Concrete Technology ICSDCT 2021, ISSN number: 978-93-91041-26-7, www.icsdct2021.in
		CAYm1 (2020-21)	1. 'Estimation of Methane generation potential from Municipal Solid Waste by using Bromatological Characteristics for Pimpri Chinchwad City' at International Conference on "Advanced Technologies for Societal Applications – Techno Societal 2020", held at SVERI's College of Engineering, Pandharpur (M.S.), India during 11-12 December, 2020.
		CAYm2 (2019-20)	1. Investigation of best phase distribution method for anaerobic digestion process for organic waste, oral presentation in IV International Conference "Sustainable Energy and Environmental Challenges" (IV SEEC -2019) organized by CSIR- National Environmental Engineering Research Institute (CSIR-NEERI) and International Society for Energy, Environment and Sustainability (ISEES), at Nagpur on 27th -29th, November 2019. 2. "Investigating effect of pipe closer as pressure deficient condition on water distribution network using EPANET" in ICCUBEA 2019- Fifth International Conference on Computing, Communication, Control and Automation, organized by Pimpri Chinchwad College of Engineering, Pune.
2	Dr. R. S. Chaudhari	CAY (2021-22)	1. 'Analysis of factors affecting construction labour productivity', An International Conference on Structures, Material and Construction 2021 (ICSMC2021), organized by Department of Civil Engineering JUIT, Wagnaghat, Himachal Pradesh. (Springer) 2. 'A study on reuse of grit material from sewage treatment plant as a fine aggregate in concrete and feasibility for compost' at proceedings of International E-conference on Sustainable Development in Concrete Technology ICSDCT 2021, ISSN number: 978-93-91041-26-7, www.icsdct2021.in
		CAYm1 (2020-21)	1. Analysis of Construction labour Productivity for Indian States at International Conference on "Advanced Technologies for Societal Applications – Techno Societal 2020", held at SVERI's College of Engineering, Pandharpur (M.S.), India during 11-12 December, 2020.
3	Mr. S. B. Gorade	CAYm1	1. 'An experimental study on the use of industrial wastes to manufacture light weight modular bricks' at International Conference on "Advanced

		(2020-21)	Technologies for Societal Applications – Techno Societal 2020”, held at SVERI’s College of Engineering, Pandharpur (M.S.), India during 11-12 December, 2020.
4	Mr. T. S. Khambekar	CAYm1 (2020-21)	1. ‘Estimation of Methane generation potential from Municipal Solid Waste by using Bromatological Characteristics for Pimpri Chinchwad City’ at International Conference on “Advanced Technologies for Societal Applications – Techno Societal 2020”, held at SVERI’s College of Engineering, Pandharpur (M.S.), India during 11-12 December, 2020.
5	Mr. S. P. Banne	CAYm1 (2020-21)	1. ‘Experimental study of behavior of under-reamed stone column in black cotton soil’ at the International Conference on “Advanced Technologies for Societal Applications – Techno Societal 2020”, held at SVERI’s College of Engineering, Pandharpur (M.S.), India during 11-12 December, 2020. 2. “Comparative study of application of Artificial Neural Networks for predicting Engineering Properties of soil: A review” in 4 th International Conference on Inventive Material Science and Application (ICMIA-2021) held at Coimbatore, India organized by PPG Institute of Technology during 14-15 May, 2021

4. National Conferences

Sr No.	Name of the Faculty	Year	Details
1	Dr. S. T. Mali	CAYm1 (2020-21)	1. Domestic Plants as Biological Buoyant Filters for Wastewater Reclamation organized by Guru Govind Singh College of Engineering & Research Centre, Nashik, ISBN: 978-93-5407-601-5.
		CAYm2 (2019-20)	1. Hybrid Bioreactor Landfill: A Novel Approach for Enhancement of Rate of Degradation in Anaerobic Bioreactor Landfill, in Proceedings of Geoenvironment-2020, International Seminar on Contaminated sites and Conference on Geo environment & Sustainability, 17th to 19th February 2020 organized by Geotechnical and Geoenvironment Group, Civil Engineering Department, sponsored by Ministry of Environment, Forest and Climate Change, pp-249-254
2	Mr. T. S. Khambekar	CAYm2 (2019-20)	1. Hybrid Bioreactor Landfill: A Novel Approach for Enhancement of Rate of Degradation in Anaerobic Bioreactor Landfill, in Proceedings of Geoenvironment-2020, International Seminar on Contaminated sites and Conference on Geo environment & Sustainability, 17th to 19th February 2020 organized by Geotechnical and Geoenvironment Group, Civil Engineering Department, sponsored by Ministry of Environment, Forest and Climate Change, pp-249-254.

5. Book Chapter

Sr No.	Name of the Faculty	Year	Details
1	Mr. S. P. Gaikwad	CAYm1 (2020-21)	1. Pankaj More, Ashish Methekar, Kasturi Kesarkar, Monali Nerkar, Shantanu Karhadkar, Siddharth Gaikwad, “Performance Enhancement of an Un-signalized Intersection under Heterogeneous Traffic Conditions using Microscopic Simulation: A Case Study of Bhumkar Chowk Intersection”, Lecture Notes in Civil Engineering – Recent Advances in Traffic Engineering, Springer, page no. 69 to 84 (16 pages)