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Approved by : AICTE, New Delhi No. F-No. MS (NewInt) 2009 / 08, Higher & Technical Education Department, Govt. of Maharashtra, Directorate of Technical Education, Mumbai. **Affiliated to :** Dr. Babasaheb Ambedkar Technological University, Lonere - Raigad. (B.Tech. & M.Tech. Programs), Shivaji University, Kolhapur. (MBA Program).

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President
Hon. Shri. Vijaysinh A. Mane

Ref. No. :

Date :

Research Papers Published in Journals (A.Y. 2023-24)

Sr. No	Title of paper	Name of the author/s	Department	Name of journal	ISSN number
1	To study of interlocking concrete blocks by using partially replacements fly ash and waste foundry sand	Mr. J. A. Patil	Civil	POSITIF Journal	0048-4911
2	Review: An experimental study on effect of Nano Materials on strength concrete and plane stress analysis using ansys software	Mr. G. N. Chavan Patil	Civil	IJSREM Journal	2582-3930
3	A review - Construction site inspection & progress with drone technology: An alternative to Human examiners	Mr. G. N. Chavan Patil	Civil	POSITIF Journal	0048-4911
4	Implementation of 5S methodology in construction industry	Mr. G. N. Chavan Patil	Civil	IJSREM Journal	2582-3930
5	To study detection of suspected Landslide area by using GIS and remote sensing in Patan Taluka	Mr. J. A. Patil	Civil	POSITIF Journal	0048-4911
6	Identification of risk factors and assessment of their impact for implementing cost plus contracts in the Indian Construction industry	Dr. J. M. Shinde	Civil	International Journal of research and analytical reviews	2348-1269
7	Evaluation of life cycle assessment of water treatment plant	Mr. J. A. Patil	Civil	International journal of management technology and engineering	2321-9653
8	Stability analysis of conventional stone matrix asphalt and modified stone matrix asphalt	Mr. J. A. Patil	Civil	International journal of management technology and engineering	2249-7455

9	Implementation of Cost-plus contract and its suitability and risk associated with the indian construction industry	Mr.P.S.Koli	Civil	International journal of management and technology engineering	2249-7455
10	A literature review: Identification of root causes of accidents on construction sites	Mr. G.N.Chavan-Patil	Civil	International journal of research and analytical reviews	2348-1269
11	A case study on safety hazard, risk identification & management to improve engineering procurement, construction (EPC) Contracts- A Review	Mr. J.M.Shinde	Civil	International journal of scientific research in engineering and management	2582-3930
12	A literature review: preservation treatments for bamboo durability	Mr. G.N.Chavan-Patil	Civil	International journal of research and analytical reviews	2349-5138
13	a replacement of fiber base waste fishnet sheets to asbestos to minimize environmental impact	Mr. J.A.Patil	Civil	American journal of engineering research (AJER)	2320-0847
14	a replacement of fiber base waste fishnet sheets to asbestos to minimize environmental impact	Mr. J.A.Patil	Civil	American journal of engineering research (AJER)	2320-0847
15	Efficient B5: A Robust Approach to Detect Morphed Images	Prof. P. S. Powar	CSE	International Journal of Membrane Science and Technology	Vol 10, no4, pp2182-2187 Oct 2023
16	Survey on Different Morphology Detection Technique	Prof. P. S. Powar	CSE	International Journal of Scientific Research in science and Technology	2395-6011
17	Twitter sentiment Analysis using Machine Learning	Prof. S. S. Redekar	CSE	International Journal of Research and Analytical Reviews (IJRAR)	Volume 10, Issue4 4Oct 2023
18	Gender Classification and Age Detection Using Face Recognition	Prof. S. S. Redekar	CSE	International Journal for Multidisciplinary Research	2582-2160
19	Precise E-mail Spam Classification Using Deep Learning	Prof. S. S. Redekar	CSE	International Journal of Scientific Research in Engineering and Management	2582-3930
20	Food Discernment and callaries estimation using segmentation	Prof. S. S. Redekar	CSE	International Journal for Multidisciplinary Research	2349-5162
21	Crop Yeild Prediction using Random Forest,SVM and KNN	Prof.S.R.Patil	CSE	International Journal of Research and Analytical Reviews (IJRAR)	2320-088X
22	Empowering Critical Bisuness Functions:Azure DevOps for Accelarate Software Development Life	Prof. P. S. Powar	CSE	International Journal of Publication Research and Reviews	2582-7421

	Cycle Management				
23	A Review paper on Multiclass weather forecasting	Prof. P. S. Powar	CSE	International Journal for Scientific Research and Development	2321-0613
24	Deep Learning based weather classification system	Prof. P. S. Powar	CSE	International Journal for Scientific Research and Development	2321-0613
25	Dark Channel Prior Algorithm for Enhancing Underwater Images	Prof. P. S. Powar	CSE	International Journal of Scientific & Engineering Development Research	2455-2631
26	Optimizing Cloud Resource Allocation Using Reduction Round Robin Algorithm	Prof. P. S. Powar	CSE	International Journal for Scientific Research and Development	2321-0613
27	Content/Subject Base Mail Classification Using NLP	Prof. P. S. Powar	CSE	International Journal of Research and Publication Reviews	2582-7421
28	Hardware implementation of proposed and conventional PV array reconfiguration techniques to extract maximum power under various shading conditions	Mrs. V.K.Thombare	Electrical	International Journal of Circuit Theory and Applications, (Wiley Online Library)	1097-007X
29	Hardware implementation of sensor-less matrix shifting reconfiguration method to extract maximum power under various shading conditions	Mrs. V.K.Thombare	Electrical	CPSS Transactions on Power Electronics and Applications (IEEE)	2475-742X
30	A modified artificial bee colony algorithm based on a non-dominated sorting genetic approach for combined economic-emission load dispatch problem	Dr. H.T. Jadhav	Electrical	Applied Soft Computing	1872-9681
31	Boosting the Speed of electrical Vehicle charging using an integrated dual inverter onboard fast charging system	Mrs. Vaishali Y Powar	Electrical	Tanz research journal	1869-7720
32	RRC Base Crane Controlled by Using Wireless Technology	Mr. Adarsh Kamble	Electrical	GIS SCIENCE JOURNAL	1869-9391
33	Design and Construction of An Arduino-based solar power Parameter-Measuring System with Data Logger	Mrs. Shankardas S. A	Electrical	International Journal of Research and Publication Reviews	2582-7421
34	Characterization of Circuit Averaging technique based on literatures and modelling of high order cascaded Dc-	Mrs.S.H.Shete	Electrical	International Journal of industrial electronics and electrical engineering	2347-6982

	DC Buck Converter				
35	Automatic Segmentation using U-Net for Accurate liver segmentation for CT images	Dr.S.V.Vanmore	E&TC	Intelligent Systems and Applications in Engineering	2147-6799
36	Automatic variable rate spraying system based on canopy characterization using artificial intelligence	Dr.S.S.Patil	E&TC	Agricultural Engineering International: CIGR Journal	1682-1130
37	Hybrid CNN-RF Algorithm for Facial Expression Recognition using Different Datasets	Prof.S.A.Bhosale	E&TC	International Journal of Intelligent Systems and Application in Engineering	3520-3528
38	Machine Learning in Machining Process: A Review	Prof. M. A. Sutar	Mechanical	Gradiva Journal Review	0363-8057
39	A review on use of Metal Foam in Automotive industry	Prof. M. A. Sutar	Mechanical	Gradiva Journal Review	0363-8057
40	Development of Fuel Filter Cap of Comet Diesel Engine Using Structural Optimization Technique and Additive Manufacturing	Dr. H. V. Shete	Mechanical	Engineering Review	DOI:10.30765/er.2115
41	Effects of Welding Parameters on Mechanical Properties and Microstructure of TIG Welded Joints of AA4043	Dr. H. V. Shete	Mechanical	Journal of Physics: Conference Series	doi:10.1088/1742-6596/2604/1/012005
42	Mathematical Modelling and Analysis of Surface Roughness in Drilling of AISI 1055 Steel Using Response Surface Methodology	Dr. H. V. Shete	Mechanical	Energy and Environment Focus	doi:10.1166/eef.2023.1279
43	A Review on Defects in Foundry & Their Remedies	Prof. M. A. Sutar	Mechanical	International Journal of All Research Education & Scientific Methods	2455-6211
44	Review On Asbestos Free Break Material	Prof. M. A. Sutar	Mechanical	International Research Journal of Engineering and Technology (IRJET)	2395-0056
45	Casting process simulation using AUTOCAT-X and optimization of parameter through DOE	Prof. M. A. Sutar	Mechanical	International Journal of All Research Education and Scientific Methods (IJARESM)	2455-6211
46	Implementation Of Lean Engineering in Foundry To Reduce Core Rejection in Foundry	Prof. M. A. Sutar	Mechanical	International Journal on Advanced Science Engineering Information Technology	2088-5334

47	Review Paper on Casting Process Simulation	Prof. M. A. Sutar	Mechanical	International Journal of All Research Education and Scientific Methods (IJARESM)	2455-6211
48	Comparative Assessment of Wiper Type Inserts V/S Standard Insert on Diametric Deviations, Surface Roughness, and Machining Time in Turning Operation of Cast Iron	H. V. Shete, Mohsin M. Nadaf	Mechanical	International Research Journal of Modernization in Engineering Technology and Science	2582-5208
49	Phytoremediation Process of Textile Industry Effluent by Eichhornia Crassipes and Pistia Stratiotes	Dr. S. G. Chonde	Applied Science	International Journal for Multidisciplinary Research (IJFMR), IJFMR23068588, Volume 5, Issue 6, November-December 2023, 1 - 9	2582-2160
50	Study of Different Biomaterials for Reducing Textile Industry Waste Water Pollution	Dr. S. G. Chonde	Applied Science	International Journal for Multidisciplinary Research (IJFMR), IJFMR23068656, Volume 5, Issue 6, November-December 2023, 1 - 9	2582-2160
51	Green and Cost-Effective Cr (VI) Removal from Industrial Wastewater with Pomegranate Peel Activated Carbon	Dr. S. G. Chonde	Applied Science	International Journal for Multidisciplinary Research (IJFMR), IJFMR23068655, IJFMR23068656, Volume 5, Issue 6, November-December 2023, 1 - 7	2582-2160
52	Production Of Bio-Diesel from Waste Cooking Oil	Dr. S. G. Chonde	Applied Science	Journal of Emerging Technologies and Innovative Research (JETIR), JETIR2311041, November 2023, Volume 10, Issue 11, a286 - a294	2349-5162
53	Removal of Colour from Textile Waste Water Using Moringa Oleifera as Natural Coagulant	Dr. S. G. Chonde	Applied Science	Journal of Emerging Technologies and Innovative Research (JETIR), JETIR2311030, November 2023, Volume 10, Issue 11, a197 - a202	2349-5162
54	Study Of Effect of Dairy Effluent on Seed Germination, Growth and Biochemical Parameter of Fenugreek (Trigonella Foenum-Graecum)	Dr. S. G. Chonde	Applied Science	World Journal of Pharmaceutical Research,	I 2277–7105

Research Papers Published in The National Conference (A.Y 2023-24)

Sr No	Title of the Paper	Name of the Author/s	Department	Name of the Conference/ Proceedings of the Conference
1	Efficient B5: A Robust Approach to Detect Morphed Images	Prof. P. S. Powar	CSE	National Conference on Advanced Computer Science and Information Technology

Research Papers Published in The International Conferences (A.Y 2023-24)

Sr No	Title of the paper	Name of the teacher	Department	Name of the conference/ proceedings of the conference
1	Optimizing energy resources, A review of waste heat recovery in industrial refrigeration system	Mr. P.S. Ladgaonkar	Mechanical	NCETSA 2023
2	A Review of Automation of Weed Removal Techniques in Indian Agricultural Sector	Mr. A. B. Rabade	Mechanical	International Conference on Frontier Areas of Science and Technology (ICFAST-2023 13th India Japan Science and Technology Conclave)
3	Multiple Effect Evaporators in Sugar Industry: Comprehensive Review	Mr. A. G. Sanadi	Mechanical	International Conference on Frontier Areas of Science and Technology (ICFAST-2023 13th India Japan Science and Technology Conclave)
4	Experimental Investigation and Optimization of WEDM for Machining of Titanium Grade 5 Using Taguchi Analysis	Dr. H. V. Shete	Mechanical	4th International Conference on Contents, Computing and Communication
5	Comparative Review on Multiple Effect Evaporators in Sugar Industry	Mr. A. G. Sanadi	Mechanical	International Conference on Convergence in Technology

Number of Book Chapters in AY 2023-24

Sr. No.	Title of the Paper	Name of the Author	Department	Name of the Conference/ Proceedings of the Conference
1	Evaluation of Some Medicinal Plants as an Antimicrobial Agent for Drinking Water Treatment	Dr. S. G. Chonde	Applied Science & Humanities	Techno-Societal 2022, International Conference on Advanced Technologies for Societal Applications 978-3 031 34647-7, 978-3 031 34648-4
2	Experimental Study on Low-Fines Self Compacting Concrete Using Fly Ash Replacement	Dr. J. M. Shinde	Civil Department	International Conference on Recent Advances in Civil Engineering, RACE 2022 978-981 99-2676 3 978-981 99-2675 6