



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

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List of research papers published per teacher in the Journals notified on UGC care list during 2020-21.

Sr No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	Page No
1	Adsorption of heavy metal on active carbon derived from coconut leaves agro-waste	Dr. A S Jadhav	Chemical Engg	Chemistry and Chemical Technology	2020-21	1
2	Design of 40 KLPD absolute alcohol plant by MSDH Process	Prof. R S Raut	Chemical Engg	International Journal of Innovative Research and Technology	2020-21	2
3	Influence of Nonlinear Fluid Viscous Dampers on Seismic Response of RC Elevated Storage Tanks	M. V. Waghmare, S. N. Madhekar, and V. A. Matsagar	Civil Engineering	Civil Engineering Journal	2020-21	3
4	Numerical analysis of reinforced embankment slopes made up of pozzolanic waste materials	V N Patil	Civil Engineering	International Journal of Geo-Engineering	2020-21	4
5	Evaluation of water treatment plant using ANN case study of Pimpri Chinchwad Municipal Corporation (PCMC)	D V Wadkar, P B Nangare	Civil Engineering	Sustainable Water Resources Management	2020-21	5
6	Application of cascade feed forward neural network to predict coagulant dose	D V Wadkar	Civil Engineering	Journal of Applied Water Engineering and Research	2020-21	6
7	Economical Design of Bridge component	P R Satarkar et al.	Civil Engineering	International research journal of Engineering and Technology	2020-21	7

8	Study of Micro Hydro Power plant for rural Electrification	P R Satarkar et al.	Civil Engineering	International research journal of Engineering and Technology	2020-21	8
9	Effect of soil interaction on RC building frame	Dr. S R Parekar	Civil Engineering	International Research Journal of Engineering and Technology	2020-21	9
10	Study of Micro Hydro Power plant for rural Electrification	P R Satarkar	Civil Engineering	International research journal of Engineering and Technology	2020-21	10
11	Comparison in Design of Technical Steel Structure by Indian & European Code	Dr. S R Parekar	Civil Engineering	International Journal for Scientific Research & Development	2020-21	11
12	Effect of soil interaction on RC building frame	Dr. S R Parekar	Civil Engineering	International Research Journal of Engineering and Technology	2020-21	12
13	Analyzing the Strength of Concrete Blocks Reinforced by Half Portion of Coconut Shell	S P Khedekar	Civil Engineering	International Journal for Research in Applied Science & Engineering Technology	2020-21	13
14	Recycled concrete Blocks- Ecofriendly and cost effective solution for masonry construction	Ganesh C Chikute	Civil Engineering	Journal of seybold report	2020-21	14
15	An intermediate security service protection for cloud storage service	Dr. S.V.Athawale	Computer Engineering	IRJET	2020-21	15
16	Support Vector Machine and principle component analysis for intrusion detection system	DR.D.P. GAIKWAD	Computer Engineering	I-MJSE	2020-21	16
17	Fine tune deep neural networks for intrusion detection system	DR.D.P. GAIKWAD	Computer Engineering	JNSCN	2020-21	17
18	Parkinson detection using image convolutional neural network and transfer learning	DR.D.P. GAIKWAD	Computer Engineering	JNSCN	2020-21	18
19	Better course recommendation system using machine learning	Dr. S.V.Athawale	Computer Engineering	JICR	2020-21	19
20	IOT Powered wearable to assist individuals	PROJ. V.V. WAYKULE	Computer Engineering	JETR	2020-21	20
21	Driver drowsiness detection using machine learning with visual behaviour	PROF SHIKHA PACHOULY	Computer Engineering	IJCRT	2020-21	21
22	Voting using Blockchain Technology	Dr.S.F.Sayyad	Computer Engineering	SCOPUS	2020-21	23

23	Efficient alphabetic text based engineering	S S Kolte	Computer Engineering	JECET : Journal of Environmental Science, Computer Science and Engineering & Technology	2020-21	24
24	A survey on detection of brain tumor using computer vision and machine learning technique	D M Ujalambkar	Computer Engineering	International Journal of Applied Research	2020-21	25
25	Detection of brain tumor using CNN and ML	D M Ujalambkar	Computer Engineering	International Journal of Applied Research	2020-21	26
26	Review on Techniques of Incremental Mining of High Utility Patterns	MM Phadatare	Computer Engineering	International Journal for Research in Applied Science & Engineering Technology	2020-21	27
27	Bridge Health Monitoring System using IOT	MM Phadatare	Computer Engineering	International Research Journal of Engineering and Technology (IRJET)	2020-21	28
28	A Survey on Bridge Health Monitoring Systems	MM Phadatare	Computer Engineering	International Research Journal of Engineering and Technology (IRJET)	2020-21	29
29	A survey on detection of Phishing Websites using Machine Learning	D M Ujalambkar	Computer Engineering	International Journal of Engineering in Computer Science	2020-21	30
30	Voice to Indian sign language conversion for hearing impaired people	Ashmi Kataria, Ankita Gupta	Computer Engineering	Samridhhi : An International Journal	2020-21	31
31	Implementation of Fuzzy Logic based High Performance Speed Control System for PMDC motor using ATMEGA-328P-PU Micro-controller	UtkarshAlset, AishwaryaApte, Hrishikesh Mehta	Electrical Engineering	IEEE	2020-21	32
32	“ Process Based Statistical Modeling for Ball Mill Machine to Improve Performance of Nylon Ultracapacitor”	L.S Godse Dr P.B Karandikar	Electrical Engineering	Journal of Institution of Engineers: Series-B	2020-21	34
33	Development of Statistical Model for Selection of Electrode Parameters in Manufacturing of Ultracapacitor	Laxman S. Godse, M.J. Bhalerao, Faiz M. Khwaja, Neelima R. Kulkarni, Parshuram B. Karandikar	Electrical Engineering	Scientific.Net, Key Engineering Materials	2020-21	35
34	Process Based Modeling Nylon Separator Supercapacitor	Laxman S. Godse, Vispi N. Karkaria, Mayank J. Bhalerao, Parshuram B. Karandikar, Neelima R. Kulkarni	Electrical Engineering	WILEY-ENERGY STORAGE	2020-21	36
		Karandikar, Neelima R. Kulkarni				

35	SQUARE OPERATION IMPLEMENTATION ON RECONFIGURABLE HARDWARE LOGIC TO ATTAIN HIGH SPEED, AREA OPTIMIZATION AND LOW POWER CONSUMPTION	Avinash Patil,S. C. Patil,D. S. Bormane, Sushma Wadar	Electronics and Telecommunication Engineering	Journal of Mechanics of Continua and Mathematical Sciences	2020-21	37
36	Temporomandibular Joint Disorder with Electromyographic Evaluation in Different Age Groups	Dr. D. S. Bormane, Roopa B Kakkeri.	Electronics and Telecommunication Engineering	Annals of the Romanian Society for Cell Biology	2020-21	38
37	A Novel Architecture For Multi-Bit Shift And Rotate Operation	Sushma Wadar , D S Bormane , S C Patil, Avinash Patil	Electronics and Telecommunication Engineering	Journal Of Mechanics Of Continua And Mathematical Sciences	2020-21	39
38	Real-time Electrocardiogram monitoring for heart diseases with secured Internet of Thing Protocol	Trupti Thite, Daulappa Bhalke	Electronics and Telecommunication Engineering	International journal of Medical Engineering and Informatics	2020-21	40
39	Monophonic Musical Instrument Sound Classification Using Impulse Response	R. Kothe, D.G. Bhalke, A Adeshpande	Electronics and Telecommunication Engineering	Turkish Journal of Computer and Mathematics Education	2020-21	41
40	Accident Detection and Monitoring using Black Box	Vidya Deshmukh1, Mahesh Ghate, Akanksha Sukre, Pramila Shinde2	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	42
41	Non-invasive determination of blood glucose level using narrowband microwave sensor	Vidya Deshmukh, Suvarna Chorage	Electronics and Telecommunication Engineering	Journal of Ambient Intelligence and Humanized Computing	2020-21	43
42	Text to Speech Synthesis in Celebrity's Voice	Ajinkya P. Gaddime, Dhananjay P. Mane, Ruchita K. Vehale, Vaishnavi S. Khawale, D. G. Bhalke, R. R. Itkarkar	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	44
43	"Distressed Positioning System based on Long Range Module (LoRa)"	Kirtimalini Chaudhari, Prafulla Ingale, Prathamesh Aswale, Prajyot Aksapure	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	45
44	Internet of Things-Based Onion Preservation System	Vinay S. Sidawadkar, Rohini Ahire, Shankaranand Lohare, Dipak Gavhale, Prachi P. Vast	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	46

45	Internet of Things-Based Monitoring and Mapping of Absentee Visualization on the ShopFloor	Arya A. Pisharody, Jayanti S. Pote, Pranali N.R. Jadhav, Santosh B. Dhekale	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	47
46	Water Level Monitoring and Leakage Detection System using Long Range Module (LoRa)	Pranita S. Patil, Poorwa D. Kapgade, Shambhavi B. Rathour, Nitin P. Mawale, Rajendra G. Khope	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	48
47	Online Food Ordering System for College Canteen	Rupali B. Kale, Ruchika K. Balwade, Vipin B. Gawai	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	49
48	Student Placement Prediction System using Machine Learning	Varsha K. Harihar, D. G. Bhalke	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	50
49	Histograms of oriented gradients based gesture to voice conversion system for indian sign language using Raspberry Pi.	Rajeshri R. Itkarkar, Omkar H. Darekar, Sahil U. Vora, Prachi K. Gorate, Nividita V. Ketkar, DattatarayBormane, Anilkumar Nandi	Electronics and Telecommunication Engineering	SAMRIDDHI	2020-21	51
50	Acceleration Techniques using Reconfigurable Hardware for Implementation of Floating Point Multiplier	D S Bormane, 2 Sushma Wadar, 3Avinash Patil, 4 S C Patil	Electronics and Telecommunication Engineering	Helix: The Scientific Explorer	2020-21	52
51	Role of surface electromyograohy in detection of temporomandubular joint disorders : An Overview	R B Kakkeri, D S Bormane	Electronics and Telecommunication Engineering	International Journal of Advances in Science Engineering and Technology	2020-21	53
52	Hydroxycoumarin encapsulated sulfonatothiactalix arene : H NMR, Steady state fluorescense and theory	V S Kalyani	First Year Engineering	Journal of Molecular Liquids	2020-21	54
53	Electrical and Magnetic Properties of Cd _{1-x} Fe _{2-x} CoxBi _{0.3} O ₄ Nanoparticles Synthesized by Chemical Co-precipitation Technique	D.V. Nighot	First Year Engineering	International Journal of All Research Education and Scientific Methods (IJARESM), Volume 11, Issue 5, May-2023	2020-21	55
54	Coefficient Estimates for certain subclasses of m-fold symmetric	A.B. Patil	First Year Engineering	Earthline journal of mathamatical Sciences	2020-21	56


	Bi-Univalent Functions Associated With Pseudo Starlike Functions					
55	On coefficient Inequalities for Certain Subclasses of Meromorphic Bi-univalent Functions	Dr A B Patil	First Year Engineering	Italian Journal of Pure and Applied Mathematics	2020-21	57
56	Improved estimates on initial coefficients of certain subclasses of bi-univalent functions	Dr A B Patil	First Year Engineering	Global Journal of Pure and Applied Mathematics	2020-21	58
57	Drilling of High Volume Fraction Al ₂ O ₃ Metal Matrix Composites	B. D. Bachchhav, S. Salunkhe, and V. Naranje	Mechanical Engineering	Materials Performance and Characterization	2020-21	59
58	Grade classification of bio-based lube oil by multi-attribute decision making methods	Pramod S.Kathamore, B.D.Bachchhav	Mechanical Engineering	Materials Today: Proceedings	2020-21	60
59	Effect of surface roughness on friction and lubrication regimes	B.D. Bachchhav, H. Bagchi	Mechanical Engineering	Materials Today: Proceedings	2020-21	61
60	Effect of high volume fraction reinforcement on electro-discharge machining of Al-Al ₂ O ₃ MMC	B.D. Bachchhav, Vishal Naranje	Mechanical Engineering	Materials Today: Proceedings	2020-21	62
61	Response Surface Modelling and Effective Application of Adaptive Neuro-Fuzzy Inference System to Analyze Surface Roughness of Al/Gr/Cp5 MMC Machined using WEDM	Mangesh Phate, Shraddha Toney & Vikas Phate	Mechanical Engineering	Australian Journal of Mechanical Engineering	2020-21	63
62	Prediction and optimization of tool wear rate during electric discharge machining of Al/Cu/Ni alloy using adaptive neuro-fuzzy inference system,	Mangesh Phate, Aditya Bendale, Shraddha Toney, Vikas Phate	Mechanical Engineering	Heliyon	2020-21	64
63	Multi-parametric Optimization of WEDM Using Artificial Neural Network (ANN)-Based PCA for Al/SiCp MMC.	Phate, M.R., Toney, S.B. & Phate, V.R.	Mechanical Engineering	Journal of The Institution of Engineers (India): Series C	2020-21	65
64	Modelling and investigating the impact of EDM parameters on surface roughness in EDM of Al/Cu/Ni Alloy	Mangesh Phate, Shraddha Toney & Vikas Phate	Mechanical Engineering	Australian Journal of Mechanical Engineering	2020-21	66

65	Modelling and critical analysis of material removal rate in WEDM of Oil Hardening Non Shrinking Die Steel (OHNS).	Phate, M., Toney, S., & Phate, V.	Mechanical Engineering	Engineering and Applied Science Research, 47(3), 264-274.	2020-21	67
66	Optimistic Implementation of Supply Chain Management in Small & Medium Enterprise: Approach using Grey Relational Analysis (GRA).	Phate M, Toney S, Phate V.	Mechanical Engineering	International Journal of Industrial Engineering & Production Research	2020-21	68
67	Investigation on the Impact of of Silicon Carbide and Process Parameters on Wire Cut-EDM of Al/SiCp MMC..	Phate M, Toney S, Phate V.	Mechanical Engineering	International Journal of Industrial Engineering & Production Research	2020-21	69
68	Comparative Analysis of Abrasive Wear Using Response Surface Method and Artificial Neural Network. (2021).	Dhande, D.Y., Phate, M.R. & Sinaga, N.	Mechanical Engineering	Journal of The Institution of Engineers (India): Series D	2020-21	70
69	The study of performance and emission characteristics of a spark ignition (SI) engine fuelled with different blends of pomegranate ethanol.	Dhande, D.Y., Sinaga, N. & Dahe, K.B.	Mechanical Engineering	International Journal of Energy and Environmental Engineering	2020-21	71
70	Study on combustion, performance and exhaust emissions of bioethanol-gasoline blended spark ignition engine,	D.Y. Dhande, Nazaruddin Sinaga, Kiran B. Dahe	Mechanical Engineering	Heliyon	2020-21	72
71	Wear behavior of sintered bearings using additives in dry sliding,	P.S. Gajjal, G.S. Lathkar	Mechanical Engineering	Materials Today: Proceedings	2020-21	73
72	Performance evaluation of EN24 for planetary gear transmission of CNC bending machine	Dhanvij, N. H.; Gawande, S. H.; Gajjal, P. S.	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2020-21	74
73	Experimental investigation of performance and emissions of CRDI diesel engine in dual fuel mode by hydrogen induction and diesel injection coupled with exhaust gas recirculation	M.R.Dahake Dr.N.Malkhede	Mechanical Engineering	Materials Today Proceedings	2020-21	75

74	Flaw resistance and mode-I fracture energy redistribution in bamboo-a correlation	Mannan Sayyad	Mechanical Engineering	Advanced Materials Letters	2020-21	76
75	Experimental generation and analysis of Lamb waves in aluminium and glass/epoxy composite plates	Mannan Sayyad	Mechanical Engineering	Journal of The Institution of Engineers (India): Series C	2020-21	77
76	Multi dimensional hybrid power system integrated with smart unit having protective measures	H Tawheed, D Y Dhande	Mechanical Engineering	Jounal of Energy and Environment	2020-21	78
77	Low Cost 3d Printer For Home Users	Y V Deshmukh, P S Gajjal	Mechanical Engineering	International Journal Of Advance Scientific Research And Engineering Trends, Volume 5, Issue 7	2020-21	79
78	Matrix-based tolerance analysis for multi-component selective assembly with geometric and dimensional features using genetic algorithm	A K Jeevanantham S V Chaitanya	Mechanical Engineering	International Journal of Productivity and Quality Management	2020-21	80
79	Vibration and impact analysis of optimized automotive front bumper	M P Wagh , O A More	Mechanical Engineering	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY	2020-21	81
80	Investigation on the Impact of Silicon Carbide and Process Parameters on Wire Cut-EDM of Al/SiCp MMC	M R Phate	Mechanical Engineering	International Journal of Industrial Engineering & Production Research	2020-21	82
81	Simulink based Biodynamic Model for the Human Arm Subjected to Vibration	M R Phate	Mechanical Engineering	Industrial Engineering Journal	2020-21	83
82	Investigation Of Al/Gr/Cp10 WEDM Using Artificial Neural Network Based Grey Relational Analysis	M R Phate	Mechanical Engineering	Journal of Mechanical Engineering	2020-21	84
83	Enhancing User Experience for Computer Aided Design packages through Artificial Intelligence	Sachin S Kallurkar Prasad R Baviskar Sandeep H Wankhade	Production Engineering	Design Engineering (Toronto)	2020-21	85
84	e-Learning System Based on Learning Style	Nitin Shekapure	Production Engineering	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2020-21	86

85	Comparative Need Analysis of Industrial Robot Calibration Methodologies	S N Chiwande	Production Engineering	IoP Journal	2020-21	87
86	Industrial robot performance analysis using low cost set- up	S N Chiwande	Production Engineering	IoP Journal	2020-21	88




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