



TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY
Wardha Road, Nagpur - 441108
Accredited with NAAC A+ Grade
Approved by AICTE, New Delhi, Govt. of Maharashtra
(An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)

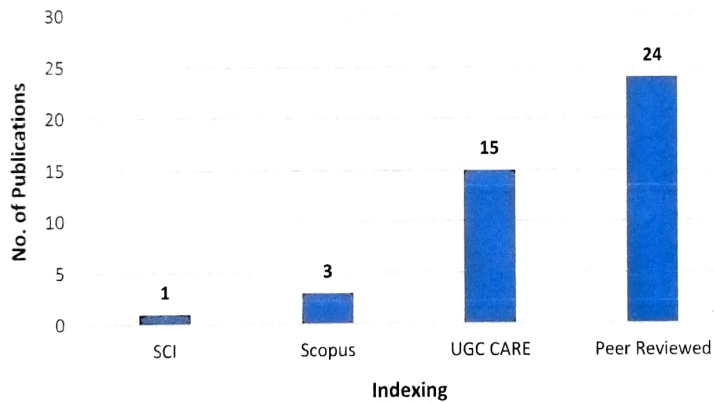


Research and Development Cell

Paper Publication During Academic Year 2022-23

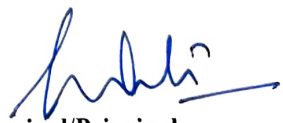
Academic Year	No. of Publication
SCI	1
Scopus	3
UGC CARE	15
Peer Reviewed	24
Total	43

Publication Details of Academic Year 2022-23




R&D Cell

DEAN
Research & Development Cell
TULSIRAMJI GAIKWAD-PATIL COLLEGE
OF ENGINEERING AND TECHNOLOGY, NAGPUR


Vice-Principal/Principal
Dr. Premanand Naktode
Principal
TGPCET, Nagpur



Research and Development Cell

Publication Details of Academic Year From 2022-2023

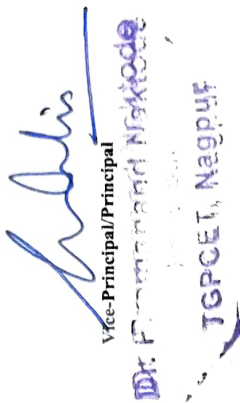
Sr. No.	Authors	Title of research paper	Publication Details	Affiliation college Name	Year of published	Name of Designation	Name of Department	Paper Published					
								SCI	Scopus	Web of Science	UGC Care	Peer Reviewed	
1	Dr. Deepak Kavgate	Effective 2-D cursor control system using hybrid SSVEP+ P300 visual brain computer interface	Medical & Biological Engineering & Computing 60, 11, 2022, ISSN No 0140-0118	TGPCET	2022-2023	Assistant Professor	Information Technology	SCIE					
2	Dr. Radharaman Shaha	BMOTSM: design of a hybrid bioinspired model to determine optimal turbine sizing for capacity maximisation in environment-and-economy aware deployments	International Journal of Sustainable Energy, 42, 1, 2023, ISSN No 1478-6451	TGPCET	2022-2023	Assistant Professor	Electrical Engineering		Scopus				
3	Dr. Pragati Narayan Patil	Study and Analysis of Energy and Time Characteristics of Node in Wireless Sensor Network	Neuro Quantology, 20, 9, 2022, ISSN No 1303-5150	TGPCET	2022-2023	Assistant Professor	Information Technology		Scopus				
4	Dr. Pratik Ghutke	Advanced smokeless stove towards green environment and for sustainable development of rural women	E3S Web of Conferences, 455, 02017, 2023, ISSN No 2267-1242	TGPCET	2022-2023	Assistant Professor	Electrical Engineering		Scopus				
5	Mr. Ritesh Banpurkar	Design & Fabrication of Advance Forklift	International Journal of Advance Research, Ideas and Innovations in Technology, 9, 2, ISSN No 2454-132X	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering					UGC Care	
6	Mr. Ravindra Shende	Design and Fabrication of Automatic Solar Panel Cleaning System	International journal of analytical and experimental model analysis, 15, 5, 2023, ISSN No 0886-9367	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering					UGC Care	
7	Dr. Shubhangi Gondane	Design and Fabrication of Low Cost Recycled Plastic (Wire) Cutting Machine	Technix International Journal of Engineering and Research, 10, 5, 2023 ISSN No 2349-9249	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering					UGC Care	
8	Dr. Shubhangi Gondane	Design and Fabrication of Recycled Plastic (Wire) Cutting Machine	The international Journal of Analytical and Exp. modal Analysis, 15, 4, 2023, ISSN No 0886-9367	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering					UGC Care	
9	Dr. Shubhangi Gondane	Design and Development of Automated Fire Extinguisher System with IOT	The international Journal of Analytical and Exp. modal Analysis, 15, 5, 2023, ISSN No 0886-9367	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering					UGC Care	
10	Dr. Yogesh Mahulkar	Review of Study and Maintenance of Refrigeration System	Technix International Journal of Engineering and Research, 10, 5, 2023 ISSN No 2349-9249	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering					UGC Care	

11	Dr. Yogesh Mahulkar	Automated Drain and Cutter Cleaner	The international Journal of Analytical and Experimental Analysis, 15, 5, 2023, ISSN No 0886-9367	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
12	Mr. Anuj Muley	Design and Fabrication of Overhead Water Tank Cleaning Machine Model	International Journal of Scientific Research in Engineering and Management, 7, 5, 2023, ISSN No 2582-3930	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
13	Mr. Pramod Bakane	Automatic Object Sorting Conveyor	International Journal of Innovative Research in Science, Engineering and Technology, 12, 5, 2023, ISSN No 2319-8753	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
14	Mr. Pramod Bakane	Design and fabrication of Dough Mixer and Flour Machine	International Journal of Innovative Research in Science, Engineering and Technology, 12, 7, 2023, ISSN No 2319-8753	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
15	Mr. Yugal Bhaikare	Review on Design and Fabrication of Pneumatic Operated Stair Climbing Machine	International Journal of Scientific Research in Engineering and Development, 6, 2, 2023, ISSN No 2581-7175	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
16	Mr. Gaurav Nagdeve	Design and Development of Load Operated Transfer Trolley	Technix International Journal of Engineering and Research, 10, 5, 2023 ISSN No 2349-9249	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
17	Mr. Gaurav Nagdeve	Review on Design and Fabrication of Solar Powered Multifunction Floor Cleaning Robot	Technix International Journal of Engineering and Research, 10, 5, 2023 ISSN No 2349-9249	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
18	Dipali Bhojar	Design and fabrication of multipurpose agri vehicle	Technix International Journal of Engineering and Research, 10, 6, 2023 ISSN No 2349-9249	TGP CET	2022-2023	Assistant Professor	Mechanical Engineering				UGC Care
19	Dr. Anup Gade	Task Pattern Identification and Scheduling Using Equal Opportunity Model for Minimization of Makespan and Task Diversity in Cloud Computing	Pattern recognition and image analysis	TGP CET	2022-2023	Assistant Professor	Information Technology				UGC Care
20	Mr. Sanjay Bhaadke	An examination of the analysis and research of the factors influencing the design of prefabricated buildings	Tech-Chronical (An International E-journals on emerging trends in science technology and management)	TGP CET	2022-2023	Assistant Professor	Civil Engineering				Peer Reviewed
21	Dr. Amey Khedkar	Analysis and design of a 24 m long span steel girder with the load of a special vehicle in mind	Tech-Chronical (An International E-journals on emerging trends in science technology and management)	TGP CET	2022-2023	Assistant Professor	Civil Engineering				Peer Reviewed
22	Dr. Sandeep Gaikwad	A Review on "Analysis and applications of an earthquake resistant non engineered building construction"	Tech-Chronical (An International E-journals on emerging trends in science technology and management)	TGP CET	2022-2023	Assistant Professor	Civil Engineering				Peer Reviewed
23	Prof. Rohini Pochhi	Performance analysis of routine	International Journal of Innovative Research in Engineering	TGP CET	2022-2023	Assistant Professor	ECE				Peer Reviewed
24	Dr. Pravin Tajne	Design and development of RTC	International Journal of Innovative Research in Engineering	TGP CET	2022-2023	Assistant Professor	ECE				Peer Reviewed
25	Mr. Sanjay Bhaadke	Structural Assessments of silo	Tech-Chronical (An International E-journals on emerging trends in science technology and management)	TGP CET	2022-2023	Assistant Professor	Civil Engineering				Peer Reviewed

26	Prof. Sneha Tibude	Comparative analysis Different Topologies of Grid-tied Transformer less Inverters for Photovoltaic System	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	TGPCEI	2022-2023	Assistant Professor	Electrical Engineering				Peer Reviewed
27	Prof. Vaishali Malekar	Transmission line Three-Phase Fault Analysis Using Matlab Simulink	International Journal for Research in Applied Science & Engineering Technology (URASET)	TGPCEI	2022-2023	Assistant Professor	Electrical Engineering				Peer Reviewed
28	Prof. Pratik Ghiutke	Dual power generation solar plus windmill generator	International Research Journal of Modernization in Engineering Technology and Science	TGPCEI	2022-2023	Assistant Professor	Electrical Engineering				Peer Reviewed
29	Prof Anita Yadav	Generating an Opimal Feature	International Journal of Advances in Engineering & Technology	TGPCEI	2022-2023	Assistant Professor	CSE				Peer Reviewed
30	Dr. Vijay Talodhikar	Design And Performance Analysis Of Laboratory Creep Test Apparatus	International Research Journal of Modernization in Engineering Technology and Science, 5, 4, 2023, ISSN 2582-5208	TGPCEI	2022-2023	Associate Professor	Mechanical Engineering				Peer Reviewed
31	Dr. Vijay Talodhikar	A Review On Mechanical Characterization and Optimization of Parameters For Spot Welded Multigame AHSS Joints	Eur. Chem. Bull. 12, 1, 2695-2702, 2023 ISSN 2063-5346	TGPCEI	2022-2023	Associate Professor	Mechanical Engineering				Peer Reviewed
32	Dr. Vijay Talodhikar	Development of Novel Turnmeric Polishing Machine by Human Effort	Eur. Chem. Bull. 12, 5, 2858-2861, 2023 ISSN 2063-5346	TGPCEI	2022-2023	Associate Professor	Mechanical Engineering				Peer Reviewed
33	Mr. Vishwajit Ambade	Effect Of Infill Density, Infill Pattern And Extrusion Temperature On Mechanical Properties Of Part Produced By 3D Printing FDM Technology Using ABS, PLA And PETG Filament: A Critical Review	International Journal of Research and Analytical Reviews, 10, 1, 2023, ISSN 2348-1269	TGPCEI	2022-2023	Assistant Professor	Mechanical Engineering				Peer Reviewed
34	Mr. Vishwajit Ambade	Effect of Print Speed, Infill Pattern and Infill Density on Tensile Strength of Part Produced by ABS Filaments Using FDM 3D Printing Technology	Research and Development in Machine Design, 5, 2, 2022 ISSN	TGPCEI	2022-2023	Assistant Professor	Mechanical Engineering				Peer Reviewed
35	Mr. Ritesh Banpurkar	Design and Analysis of 3D Printed Parts Developed Through Fusion of Composite Materials	Eur. Chem. Bull. 2023 ISSN 2063-5346	TGPCEI	2022-2023	Assistant Professor	Mechanical Engineering				Peer Reviewed
36	Mr. Niteen Kakde	Design and Performance Analysis Of Two Chamber Three stage Pulverized Machine	Research and Applications: Embedded System	TGPCEI	2022-2023	Assistant Professor	Mechanical Engineering				Peer Reviewed
37	Mr. NiteenKakde	Pothole Detection and Active Suspension System	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	TGPCEI	2022-2023	Assistant Professor	Mechanical Engineering				Peer Reviewed
38	Mr. Ravindra Shende	Development of Solar Powered Shredder Machine for Waste Management	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	TGPCEI	2022-2023	Assistant Professor	Mechanical Engineering				Peer Reviewed
39	Dr. Shubhangi Gondane	Analysis of Power Generation using Waste Heat in Industries using Thermoelectric Generator	International Journal of Advance Engineering Research and Science (IJAEERS)	TGPCEI	2022-2023	Assistant Professor	Mechanical Engineering				Peer Reviewed

40	Dr. Shubhangi Gondane	Review on Design and Development of Power Generation using Waste Heat in Industries using Thermoelectric Generator	International Journal of Research and Analytical Reviews (IJRAR)	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering	Peer Reviewed
41	Mr. Prafull Randive	Design and Fabrication of Regenerative Braking System	International Journal of Research in Engineering and Science (IJRES)	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering	Peer Reviewed
42	Mr. Yugal Bhaissare	Design and Fabrication of Pneumatic Operated Stair Climbing Machine	International Research Journal of Modernization in Engineering Technology and Science (IJMETS)	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering	Peer Reviewed
43	Mr. Prafull Randive	Recirculatory Type charging System (RTCS).	International Research Journal of Modernization in Engineering Technology and Science	TGPCET	2022-2023	Assistant Professor	Mechanical Engineering	Peer Reviewed


Dean-R&D Cell


Vice-Principal/Principal
Dr. Pravinchandra Narkode
TGPCET, Nagpur

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