

Rajendra Mane College of Engineering & Technology, Ambav
Department of Mechanical Engineering

Paper Publications
Academic Year 2022-23

Sr. No.	Faculty name	Title of paper	Name of the Journal /Conference
1	Dr. S. N. Waghmare	DESIGN AND FABRICATION OF JET ENGINE USING AUTOMOTIVE TURBOCHARGER	International Research Journal of Modernization in Engineering Technology and Science DOI : https://www.doi.org/10.56726/IRJMETS37025
2	Dr. A. S. Raut	DESIGN AND CONSTRUCTION OF MANUAL STACKER	International Research Journal of Modernization in Engineering Technology and Science DOI : https://www.doi.org/10.56726/IRJMETS37444
3	Dr. P. R. Kshirsagar	DESIGN, DEVELOPMENT AND EXPERIMENTATION ON ROVER FOR HAZARDOUS ENVIRONMENT	International Research Journal of Modernization in Engineering Technology and Science DOI : https://www.doi.org/10.56726/IRJMETS38147
5	Mr. M. S. Prabhavalkar	DESIGN AND FABRICATION OF GLASS BOTTLE SHREDDING MACHINE	International Research Journal of Modernization in Engineering Technology and Science https://www.irjmets.com/uploadedfiles/paper//issue_4_april_2023/37600/final/fin_irjmets1683008340.pdf
6	Mr. G. S Jagushte	DESIGN AND FABRICATION OF POWER FEEDING TAIL STOCK SPINDLE	International Research Journal of Modernization in Engineering Technology and Science DOI : https://www.doi.org/10.56726/IRJMETS37318
7		DESIGN & FABRICATION OF AUTOMATIC HAMMERING MACHINE	International Research Journal of Modernization in Engineering Technology and Science DOI : https://www.doi.org/10.56726/IRJMETS37865

Rajendra Mane College of Engineering & Technology, Ambav
Department of Mechanical Engineering

Academic Year 2021-22

Sr. No.	Faculty name	Title of paper	Name of the Journal /Conference
1	Mr. P. R. Kshirsagar	Investigation on Flexural and Impact Strength of Hollow Glass Fabric and E-Glass Fibre Reinforced Self-Healing Polymer Composites	Composites: Mechanics, Computations, Applications: An International Journal (DOI: 10.1615/CompMechComputApplIntJ.2022043799)
2		Experimentation For Flexural Strength and Fracture Toughness on Carbon and Glass Fibre Self-Healing Composites with Bisphenol Diglyceryl Ether and Amine Microcapsules	Composites: Mechanics, Computations, Applications: An International Journal (DOI:10.1615/CompMechComputApplIntJ.2021039848)
3	Mr. A. S. Raut	Design & Fabrication of Beach Cleaning Vehicle	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
4		Design and Fabrication of Solar Powered Floating Waste Collecting System	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
5		Design and Fabrication of Stair Climbing Trolley	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
6	Mr. A. V. Javir	Hand Gesture Controlled Robot	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
7	Mr. G. S. Jagushte	Design and Fabrication of 3D (FDM) Printer	4th National Conference on Changing Technology and Rural Development

Rajendra Mane College of Engineering & Technology, Ambav
Department of Mechanical Engineering

			2022 (ISBN: 978-93-5659-047-2)
8	Mr. V. K. Dongare	Design and Fabrication of Electric Tricycle	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
9		Design and Fabrication of Household Wind Turbine	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
10	Mr. M.S. Prabhavalkar	Design and Development of Experimental Testing Model of Electromagnetic Clutch	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
11	Dr. Waghmare S.N.	Implementation of 5s on Machine Shop in Medical Device Manufacturing Factory	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
12		Design and Analysis of Multipurpose Agricultural Device	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
13		Design & Development of Hydraulic Jack for Four-Wheeler	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
14	Mr. A. R. Suware	Design and Fabrication of Hub less Bicycle	4th National Conference on Changing Technology and Rural Development 2022 (ISBN: 978-93-5659-047-2)
15	Mr. P. R. Kshirsagar	Design And Fabrication of Wheel Operated Agriculture Spray	4th National Conference on Changing Technology and Rural Development 2022

Rajendra Mane College of Engineering & Technology, Ambav
Department of Mechanical Engineering

			(ISBN: 978-93-5659-047-2)
16		Design, Development Manufacturing of Mango Seed Cutting Machine	2 Days International Conference on Recent Innovations in Science, Engineering, Humanities and Management (ISBN: 978-81-948668-6-2)

Academic Year 2020-21

Sr. No.	Faculty name	Title of paper	Name of the Journal /Conference
1	Mr. Kshirsagar Prashant R.	Design, Development Manufacturing of Mango Seed Cutting Machine	Journal of Information and Computational Science
2	Dr. S. N. Waghmare	Spiral Spring Design & Modelling by Design Reuse	The International journal of analytical and experimental modal analysis (ISSN NO:0886-9367) DOI:18.0002.IJAEMA.2020.V12I11.200001.015685901586

Academic Year 2019-20

Sr. No.	Faculty name	Title of paper	Name of the Journal /Conference
1	Dr. S. N. Waghmare	Design Reuse for Designing & Modelling of Helical Tension Spring	The International journal of analytical and experimental modal analysis
2		Product Design Knowledge Reuse	International Journal for Research in Engineering Application & Management (IJREAM) (DOI : 10.35291/2454- 9150.2019.0484)
3		Expert System for Helical Torsion Spring Design	Journal of Interdisciplinary Cycle Research (JICR)

Rajendra Mane College of Engineering & Technology, Ambav
Department of Mechanical Engineering

Academic Year 2018-19

Sr. No.	Faculty name	Title of paper	Name of the Journal /Conference
1	Mr. Kshirsagar P. R.	Finite element analysis of Self-Healing Composite Polymer Structure for fracture Toughness	International Journal for Research in Engineering Application & Management (IJREAM) (ISSN: 2454-9150)
2		Design, Development and Manufacturing of Special Purpose Machine for Serration Operation	International Journal of Advance Research in Science and Engineering (ISSN: 2319-8354)
3		Alternate Way of Running Air Conditioning System in Vehicle Using Hybrid Suspension System	International Journal of Research in Advent Technology (E-ISSN: 2321-9637)
4	Dr. Dandage R.V.	Analysis of interactions among barriers in project risk management	Journal of Industrial Engineering International (JIEI- Springer Group Publication) Vol. 14, Issue 02 (doi:10.1007/s40092-017-0215-9)
5		Ranking the risk categories in international projects using TOPSIS Method	International Journal of Managing Projects in Business (IJMPB- Emerald Group Publication) Vol. 11, Issue 02. (https://doi.org/10.1108/IJMPB-06-2017-0070)
		Strategy development using TOWS matrix for international project risk management based on prioritization of risk categories	International Journal of Managing Projects in Business (IJMPB- Emerald Group Publication), ISSN1753-8386 (https://doi.org/10.1108/IJMPB-07-2018-0128)
6	Dr. Waghmare S.N.	Self-Propelled Spraying Machine: A Proposed Model	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
7		Remote Controlled Agricultural Robot with Sowing Seed Mechanism: A Proposed System	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18

Rajendra Mane College of Engineering & Technology, Ambav
Department of Mechanical Engineering

8	Mr. Dandage R.V.	Reconfigurable Manufacturing Systems (RMS): A Literature Review	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
9		Design of Automatic Mango Cutting Machine	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
10	Mr. Raut A.S.	Effect of Helix Angle on Beam Strength of Helical Gear Tooth - Theoretical Analysis	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
11		Design of Spur Gear for Dynamic Analysis	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
12	Mr. Kshirsagar P.R.	Finite Element Analysis of Self-Healing Composite Polymer Structures for Fracture Toughness	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
13		Proposed Model of Feeding and Collecting Mechanism for Scoring Machine	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
14		Design, Development and Manufacturing of Special Purpose Machine for Serration Operation	11th International conference on Recent Innovations in Science, Engineering and Management at Genba Sopanrao Moze college of Engineering, Pune
15	Mr. V. K. Dongare	Solar Powered Water Harvester	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
16	Mr. A. V. Javir	Design and Experimentation of Hexacopter	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
17	Mr. G. S. Jagushte	Design of Hydraulically Operated Compression Melding Machine for Fibre Reinforced Polymer Composite	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
18		Design of 3600 Flexible Drilling Machine	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18

Rajendra Mane College of Engineering & Technology, Ambav
Department of Mechanical Engineering

19	Mr. Khandekar S.B.	Condition Monitoring of Bearing using Acoustic Emission Technique: Review	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
20		Analytical Study and Implementation of Supply Chain Management	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
21	Mr. M. S. Prabhavalkar	Design of Solar Powered Water Distillation Plant	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
22		Modified Design of Rice Planting Machine	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
23	Mr. A. R. Suware	Design & Fabrication of Electromagnetic Gear Shifter for FSAE Race car	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18
24		Design and Fabrication of Single Speed Double Reduction Gearbox of Baja vehicle	3rd National Conference "Changing Technology and Rural Development" CTRD 2K18