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Research Publications:

1. Published a paper in National Conference, 'Recent Innovations In Mechanical Engineering, RIME-2K14' held on 21st March 2014 at CMR Technical Campus, Hyderabad. **"Analysing the influence of WEDM parameters on surface roughness of Tungsten Carbide."**
2. Published a paper **"Robot Applications in Hazardous Environments: A Review"** in IJMER-International Journal Of Modern Engineering Research, Presented at the 2nd National Conference on Development, Advances & Trends in Engineering Sciences-NC-DATES 2K16, held on 8th & 9th Jan-2016 Organized by CMR Engineering College, Hyderabad.
- 3 **"Multiple Response Optimization of TIG Welding Process for Optimum Weld Bead Width and Reinforcement Height of Ti-Alloy (Ti-6Al-4V)"**, Debashis Mishra ¹, Maneiah. Dakkilli², L. Mangesh ³, Dr. K. Prahlada Rao⁴ IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X PP 84-92 www.iosrjournals.org International Conference on Recent Innovations in Civil & Mechanical Engineering 84 | Page [i- CAM2K16] DOI: 10.9790/1684-16053028492.
4. **"Discrete heating of opposing mixed convection heated at bottom of annulus."** Maughal Ahmed Ali Baig, N.J. Salman Ahmed, N. Ameer Ahamad, Avala Raji Reddy, Irfan Anjum Badruddin and L. Mangesh Cite as: AIP Conference Proceedings 2200, 020050 (2019); <https://doi.org/10.1063/1.5141220> Published Online: 20 December 2019
5. **"An optimization of process parameters for stir cast aluminium metal matrix composites to improve material removal rate"**, Shunmugasundaram, M., Maneiah, D., Lingampalle, Mangesh., Nagaraj, C., Patil, P. International Journal of Mechanical and Production Engineering Research and Development, 2019, 9(5), pp. 951-960, IJMPERDOCT201984
6. **"Effect of welding angle on strength of friction welded aluminum 6061-T6 alloy welded joints."** D. Maneiah, Debashis Mishra, A. Praveen Kumar, M. Shunmugasundaram and L. Mangesh Cite as: AIP Conference Proceedings 2358, 090006 (2021); <https://doi.org/10.1063/5.0058961> Published online: 30 July 2021
7. **"Gas tungsten Arc Welding of Stainless steel 304 and 202 Grades for Optimum Weld Bead Width and Hardness value."** Debashis Mishra, and L. Mangesh ¹, International Journal of Vehicle structure & systems,

Patents:

1. Patent Title: **Design and Analysis of Reduction Gear Box For All Terrain Vehicle.**

Name of Applicant(s): Dr.Maneiah. Dakkili,Dr.A.Raji Reddy,Mr.L.Mangesh,Ms.Yamini Kasu,Mr. Levis John,Mr. Chetty. Nagaraj, Ms.K. Ratna Kumari,Mr.Bodu Sujan

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2. Patent Title:**A Kind of haring rate Network construction method.**

Inventor(s): 1.Dr.A.Raji Reddy, 2.Mr.G.Srikanth,3.Mr.N.Bhaskar,4.L.Mangesh,5.M.Balu,

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