

PUBLICATIONS

INTERNATIONAL JOURNAL

- “Characterization of Sublimation Based Microstructure Release Technique to Combat Stiction Effect” Dr.Rajesh Buktar, Dr.Kiran Bhole, Durvesh Sawant, *Materials Today, Science Direct Journal*, Volume 5, Issue 11, Pages 24059-24067.
- “Developing a Mechanism for Multi Dimensional motion into Single Dimensional Unidirection Motion”, Dr.Rajesh Buktar & Prashant Gore, *International conference on Advances in Mechanical & Electrical Engineering – 2019 (ICAMEE-19)*, August 24-25, Organized by Mechanical & Engineering Department, G.H Raisonni college of Engineering, Nagpur
- “Plant Layout Optimization using CRAFT Algorithm with Implementation of Digital Manufacturing using DELMIA V6 Software” Dr. Rajesh Buktar, Amey Dhupal, Monit Nagrik, Prem Khilari, Mahesh Pandhare, *International Journal of Emerging Technology and Advanced Engineering (IJETAE)*, ISSN 2250-2459, Volume 9, Issue 9, September 2019, Page 54-60
- *Reverse Engineering of Pump Casing & Impellar*, Rajesh Buktar & Vyankatesh Wakharkar, *International Research Journal of Engineering & Technology (IRJET)*, Volume -3, Issue-11, Page no. 551-562. November-2016
- “PLM Implementation effects in Heavy Engineering Industry: A CASE STUDY”, Dr.R.B.Buktar & Gangaprasad Shirale, *International Journal of Engineering Sciences & Emerging Technologies (IJESET)*, Volume-8, Issue-3, Page 140-149, November 2015, ISSN: 2231 6604
- “Design for Manufacture and Assembly (DFMA) Analysis of Burring Tool Assembly”, Dr.R.B.Buktar, Nilesh More, Syed Mubasheer Ali, Snajay Samant, *International Research Journal of Engineering & technology (IRJET)*, Volume-2, Issue-6, Page no. 1-7. September 2015.
- “ERP and CRM implementations in Indian Auto Component Industries for cost arbitrage and global competitiveness”, Rajesh Buktar, Dr. G.T. Thampi, *International Journal of industrial Engineering practices (IJIIEP)*, Serials Publications New Delhi July December 2009.
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- *“Investigating the effect of distance between the crack and structural discontinuity using Finite Element Analysis” Dr.Rajesh Buktar, Prof. D.N.Jadhav, Swapnil Marwadi, Utkarsh Shah, International Journal of Advances in Engineering science & engineering (IJEAST)*
- *“Structural Analysis of One Ton Capacity Scissor Lift and Evaluation of Its Actuator Force” By Dr.R.B.Buktar & Nadeem Ansari, International Journal of Advances in Engineering and Management (IJAEM), Vol-X, Issue-X, 2014*
- *“Plant Layout Optimization using CRAFT Algorithm supported by a Virtual Factory created as an Implementation of Digital Manufacturing”,Dr.Rajesh Buktar, Kiran Phadtare, Vishal Doshi International journal of Emerging Technology & Advanced Engineering (IJETAE), Volume 6, issue 8, August 2016, Page 111-120*
- *“Improvisation of a Facility Layout Using DELMIA Simulation & Lean Manufacturing Technique”, Dr.rajesh Buktar & Bhushan Khartade, International Journal of current research, Volume -8, Issue-5, Page 31626- 31633, May, 2016*
- *“Validation and Prediction of the diesel knocking index using artificial neural networks”, Rohan Bharat Demapure, Rajesh B Buktar, Ajinkya Bhadkas International Journal of Engineering research science & technology 2016, Volume-5, o 4, November 2106*
- *“Modeling and Simulation of a Manufacturing System by Using Time Petri Net”, Chavan Vishwajit Da*, Dr. Rajesh B. Buktar, Dr.Kiran Bhole, International Journal of Engineering Research and General Science Volume 4, Issue 4, July-August, 2016*

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- *“Leveraging Product Lifecycle Management software tools to make in Indian Automotive sector agile” accepted in National Journal IIIIE, 2006*

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- **“VEHICLE TRACKING AND ANTI-THEFT SYSTEM USING INTERNET OF THINGS”** , By Dr.R.B.Buktar & Himanshu Dadwani, International Conference on Mechanical & Production Engineering (ICMAPE), 26th August 2017, BHOPAL

- “HARDWARE AND SOFTWARE FOR DATA CAPTURING AND PROCESSING IN REVERSE ENGINEERING, By Dr. R.B. Buktar Vyankatesh R W , A.M. Vajir, International Conference on Global Technology Initiatives, March 2015
- UNDERSTANDING BUSINESS IMPACT OF EMERGING TECHNOLOGIES ON PRODUCT DEVELOPMENT AND MANUFACTURING IN THE FRAMEWORK OF PLM, International Conference on Logistics and Supply chain Management organized by PSG Tech. college Coimbatore in collaboration with Central Michigan University (CMU) USA on 2-4 August 2006.
- VIRTUAL REALITY FOR PRODUCTIVITY & COST REDUCTION IN ACCENTUATING THE GROWTH OF INDIAN AUTO COMPONENT INDUSTRIES□International Conference on Advances in Manufacturing & Technology Management (ICAMTM 2007) held during 18th to 20th January 2007 at Parshvanath college of Engineering, Thane, Mumbai (India).
- IDENTIFYING ROLE OF VIRTUAL REALITY IN TRAINING ANDEDUCATION THROUGH CREATION OF VIRTUAL ENVIRONMENTS, International Conference ISCO -2008 organized at Karpagam College of Engineering in collaboration with School of Mechatronics Engineering, University Malaysia Perlis, Malaysia, Coimbatore, Tamil Nadu, India on 1st and 2nd February 2008

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- *“Analysis & Optimization of Backhoe of Earth Moving Equipment”, Dr.R.B.Buktar & Sanjay Lohar, National Conference on Materials & Mechanical Engineering (NCMME-2013) 6-7 May 2013, Dr.Mahalingam College of Engineering & Technology, Pollachi*
- *"A Critical Review of Rapid Manufacturing (A Natural Progression from Rapid Prototyping) as the Nation emerges as a Global Manufacturing Hub". National Conference on State of art of technologies in Mechanical Engineering (NCSAME-2004) Organized by. Department of Mechanical. Engineering, Jawaharlal Nehru Technological University college of Engineering Hyderabad during June 29-30, 2004*
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New Delhi) Organized by Department Mechanical and Production Engineering B.D. College of engineering, Sevagram, Wardha during 26th March, 2004

- *“Ways and means of accentuating reverse engineering practices with the help of enabling technologies as the nation emerges as a Global-manufacturing Hub” National Conference on Advances in Mechanical Engineering (AIME-04) Organized by Department Mechanical. Engineering Jawaharlal Darda Institute of Engineering and technology Yavatmal during 23rd & 24th April 2004.*
- *“Virtual Manufacturing – The Next Revolution in Global Manufacturing” National Conference on Innovations in Mechanical Engineering, organized by Department Mechanical. Engineering RMK Engineering College Kavaraipettai, Chennai during 17th and 18th September 2005.*
- *“Computer Aided Design of Gears- A CASE STUDY” National Conference on Innovations in Mechanical Engineering, organized by Department of Mechanical. Engineering RMK Engineering College Kavaraipettai, Chennai during 17th and 18th September 2005.*
- *“Customization of Unigraphics for Automated 3D modeling of Mould Base (HASCO) Standards - A Case Study” National conference on “Automation in Manufacturing Technology (NCAMT-06)” organized at Northern India Engineering College New Delhi on 24th & 25th March 2006.*
- *“Challenges and Enabling Technologies Available for e- manufacturing” National conference on “Automation in Manufacturing Technology (NCAMT-06)” organized at Northern India Engineering College New Delhi on 24th & 25th March 2006.*
- *“Virtual Reality Systems – Use in Rapid Prototyping” National Conference on “RAPID PROTOTYPING APPLICATIONS” organized at VNIT Nagpur on 10, 11 MARCH 2006.*
- *“PLM-Emerging Solution and Challenge for Globally Networked Enterprises supporting Product Development and Manufacturing.” National Conference on “RAPID PROTOTYPING APPLICATIONS” organized at VNIT Nagpur on 10, 11 MARCH 2006.*
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