

Name of Faculty: Rahul L. Patel
Department: Mechanical Engineering

Sr. No.	Research Paper
	Journal
1	“Fabrication of belt driven bicycle hybrid concept”, International Journal of Creative Research Thoughts (IJCRT), Volume 6, Issue 2, April 2018 ISSN: 2320-2882, Page No:313-316.
2	“Static and Dynamic Analysis of Base of Vertical Machining Center - A Review”, International Journal of Engineering Trends and Technology (IJETT), Vol. 21 Issue 9, March 2015, Page No:419-422, ISSN: 2231-5381, www.ijettjournal.org. published by seventh sense research group.
3	“Reduce overproduction and inventory of inlet rocker arms in investment casting process using value stream mapping”, Technix International Journal for Engineering Research, V1 (6), 11-17, Jan 2015. ISSN: 2349-9249. www.tijer.org.
4	“Weight optimization of chassis frame using Pro-Mechanica”, SSRG International Journal of Mechanical Engineering (SSRG-IJME), Vol 1 (8,) 4-9, Dec.2014. ISSN: 2348 - 8360. published by seventh sense research group.
5	“Stress Analysis, Design Formulation and Optimization of Crankpin of Single Cylinder Four Stroke Petrol Engine”, International Journal of Engineering Trends and Technology (IJETT), ISSN : 2231-5381, Vol. 18, Issue 7, Dec 2014, pp.313-318, www.ijettjournal.org. published by seventh sense research group.
6	“Design and analysis of chassis frame of TATA 2516TC” International Journal for research in applied science and engineering technology (IJRASET), Vol. 2 Issue III, March 2014. ISSN: 2321-9653.
7	“Performance Improvement of Vacuum Pump through CFD Analysis” International Journal for research in applied science and engineering technology (IJRASET), Vol. 2 Issue III, March 2014. ISSN: 2321-9653
Sr. No.	Conference
1	“Development of software for the design of Knuckle Joint” National Conference in Recent Advances in CAD/CAM/CAE – August 7, 2015, CCET-Wadhwan . ISBN : 978-81-907055-1-8, Page No. 26-30
2	“Analysis & optimization of base of vertical machining center 640” National Conference in Recent Advances in CAD/CAM/CAE – August 7, 2015, CCET-Wadhwan. ISBN : 978-81-907055-1-8, Page No. 149-153.
3	Thermal Modelling of dissimilar material welded by friction stir welding” International Conference in Emerging trends in scientific Research – 17 th -18 th December-2015, CCET-Wadhwan. ISBN. 978-2-642-24819-9. Page No. 25-29
4	“Analysis & Modification of existing design of a 150 ton oil barge to rectify the heeling problem & to improve its stability-A Case Study” International Conference in Emerging trends in scientific Research – 17 th -18 th December-2015, CCET-Wadhwan . ISBN. 978-2-642-24819-9, Page No. 36-41
5	“Oxygen enrichment in diesel engine by Vacuum swing adsorption method” International Conference in Emerging trends in scientific Research – 17 th -18 th December-2015, CCET-Wadhwan . ISBN. 978-2-642-24819-9. Page No. 15-18