


Dr. ATUL MODI

1. Personal Information			
(i)	Name	Dr. ATUL MODI	Photo 
(ii)	Qualification	Ph.D.	
(iii)	Designation	Asstt. Prof.	
(iv)	Email-id	atul09modi@gmail.com	
(v)	Employee No.	0609266	
(vi)	Department	Industrial Production Engineering	
(vii)	Experience	35 years	

2. Educational Qualification				
S. No.	Degree	Specialization	Year	University/Board
1.	B.E.	Mechanical	1983	Govt. Engg. College Ujjain.
2.	M.E.	I.E.M.	1987	S.G.S.I.T.S. Indore
3.	Ph.D.	Manufacturing	2021	R.G.P.V. Bhopal

3. Research Interests
Manufacturing, Rolling, Forging, Welding, Automation, M.H.S., Energy, Optimization

4. Research Paper Publications
(I) International/National Journal Publications
1. Pollution emission control and energy optimization in mini-steel rolling processes by loss function approach-A case study. E.M. International Journal EEC. 19(4); 2013, ISSN-0971-765X.
2. 'Critical analysis of steel wire rod processes for energy optimization –A case study' IJIET , ISSN-2319-1058, February, Vol. 3, Issue 1, Oct, 2013.
3. Hot Charging sequences critical analysis for steel bar plant for pollution control and energy optimization, IJIET ISSN-2319-1058 Vol. 3, Issue 3, 2014.
4. 'Development of Competitive Responsive Manufacturing System to Maximize the

Energy Efficiency in Automobile Industry by Process Sequential Optimization'. **IJIET** Vol. 3, Issue 3, 2014.

5. 'Target oriented sequential optimization for sustainable development of Indian steel rolling plants-case studies based critical analysis', **IJFAR**, **ISSN-2320-7973**. October, Vol. 2, Issue 7, 2014.
6. Sequential simulation of steel rolling reheating process for target oriented energy optimization, **IJFAR**, **ISSN-2320-7973**. October, Vol. 2, Issue 8, 2014.
7. 'Pasteurization Process Energy Optimization For A Milk Dairy Plant By Energy Audit Approach', **IJSTR**, ISSN-2277-8616, June, 2014, Vol. 3, Issue 6.
8. Sequential improvement of quenching -self-tempering-treatment rolling process for a modern manufacturing system-a case study, **IJSTR**, ISSN-2277-8616 Feb, 2015, Vol. 4, Issue 4, June 2015.
9. Conversion of rolling plant into robust plant for sustainable development by Taguchi methods, *Lab to Land* Vol. 7, Issue 25, Jan-March 2015.
10. 'Forging Plant Processes Energy Conservation by Energy Audit Approach –A case study' **IJSTR**, ISSN-2277-8616, March, 2015 Vol. 4, Issue 4, June 2015.
11. Mini-steel-rolling-sequence critical analysis for sustainable manufacturing-a case study, **IJSTR**, ISSN-2277-8616, March, 2015 Vol. 4, Issue 4, June 2015.
12. An Application of Quality Function Deployment for modular kitchen. **IJRSET**, ISSN-2319-8753, June, Vol. 4, Issue 6.
13. Optimum design for CMM by robust design, **IJRSET**, ISSN-2319-8753, April, Vol. 4, I. 4, June 2015.
14. Drilling Process Parameter Optimization by DOE, **IJSHRE**, ISSN-2347-4890, 'Volume 4 I. 5 May, 2016,
15. Verification of Trusses Formula for Number of Joints of Members, **IJSRD** - Vol. 4, Issue 07, 2016 | ISSN (online): 2321-0613.
16. Steel Re-Bars In-line Treatment Process Optimization by ANN-DOE Modelling, **IJETAE**, ISSN 2250-2459, ISO 9001:2008 Certified Journal,, Volume 7, Issue 7, July 2017.
17. "ECM Tool Performance Improvement by Pro-E software" **IJETAE**, August 2017, ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 7, Issue 8,
18. Roughing Rolling Performance Improvement and Energy Optimization by ANN-DOE Modeling, **IJERA**, ISSN : 2248-9622, Vol. 7, Issue 12, (Part -5), pp.01-10.
19. Productivity improvement with help of automated MHS-A case study of steel rolling plant **IJETAE**, September 2017, ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 7, Issue 9.
- 20 Press Tool Design for Hand File Manufacturing. **IRJET**, Volume: 06 Issue: 06 | June 2019.
21. Sequential Optimization of Rod Hot Rolling Processes with Help of Rolling Temperature, **IJRSET** Volume 9, Issue 6, June 2020|.
22. QUALITY improvement in a big dia. pipe manufacturing -a case study, **IRJMET**, V-2, I-11, 2020.

23. Milk pasteurization processes temperature optimization with use of PID controller, IRJMET, Volume: 03/Issue:02/February-2021.

(II) International/National Conference Publications

1. Design and Development of Competitive Lean Team, 16-17 Feb, 2008, MITS Gwalior.
2. Taguchi Methodology for process optimization-A Case Study, 27-28 April, 2012, B.M. College, Indore.
3. Sustainable development in mini-steel-plant by optimum hot charging system, 29th, Dec, 2015 Acropolis Indore.
4. Innovative design and layout of press tool using concept of design for manufacturing, 2015 Acropolis Indore.
5. Steel rolling plant processes energy optimization by energy audit approach –A case study, JNCT Bhopal April-5-6, 2013.

5. List of Conferences/Workshops/Seminars Organized

One Nos. on S.T.P. Platform on Feb-March 2021.

6. Invited Lectures/Expert Talks/Chairmanships at Conferences

NIL