

## Mechanical Research Paper Published in Recent Last 4 Academic Session

### Academic Session: 2020-2021

1. Mayank Laddha & Dr. Neeraj Kumar, 'Development of Methodology to Assess the Safety Features of Side Underrun Protection Device of Heavy Commercial Vehicles with Weight Optimization using FEA', *Journal of Huazhong University of Science and Technology*, ISSN-1671-4512, Vol 50, Issue 3  
**[Scopus Approved]**
2. Rahul Kumar, Sri Krishna Mishra, Hitesh Kumar, Rachit Saxena, Anoop kumar Pathariya (2021), 'Experimental Investigation of Equilateral Triangle shaped Solar Air Heater with two blackened absorber surfaces', *Advances in Clean Energy Technologies, Springer Proceedings in Energy*, Print ISBN: 978-981-16-0234-4, Online ISBN: 978-981-16-0235-1, pp 221-233, May 2021.  
**[Scopus Approved]**
3. Sri Krishna Mishra, Rahul Kumar, Renu Joshi, Hitesh Kumar, Nishant Saxena (2021), 'Experimental Investigation, Exergy Analysis and CFD Simulation of Solar Air Heater Roughened with Artificial V Shaped Ribs on Absorber Surface', *Advances in Clean Energy Technologies, Springer Proceedings in Energy*, Print ISBN: 978-981-16-0234-4, Online ISBN: 978-981-16-0235-1, pp 235-252, May 2021.  
**[Scopus Approved]**
4. Rachit Saxena, Sonal Saxena, Rahul Kumar, Sri Krishna Mishra, Hitesh Kumar (2021), 'Energy Generation and Management for Rural Areas of Rajasthan through Solar Photovoltaic System', *Advances in Clean Energy Technologies, Springer Proceedings in Energy*, Print ISBN: 978-981-16-0234-4, Online ISBN: 978-981-16-0235-1, pp 253-268, May 2021.  
**[Scopus Approved]**
5. Sushil Kumar Maurya, Rahul kumar, Shri Krishna Mishra, Himanshu Vasnani, Hitesh Kumar (2021), 'CFD Analysis of Air Distribution for Suitable Position of Evaporator in Cold Chamber', *Advances in Clean Energy Technologies, Springer Proceedings in Energy*, Print ISBN: 978-981-16-0234-4, Online ISBN: 978-981-16-0235-1, Pages 973-985, May 2021.  
**[Scopus Approved]**
6. Yogesh Bhawarker, Prakash Katdare, Manish Kale, Hitesh Kumar, Shri Krishna Mishra, Rahul Kumar (2021), 'CFD Analysis of Temperature Profile and Pattern Factor at the Exit of Swirl Dump Combustor', *Advances in Clean Energy Technologies, Springer Proceedings in Energy*, Print ISBN: 978-981-16-0234-4, Online ISBN: 978-981-16-0235-1, Pages 589-604, May 2021.  
**[Scopus Approved]**

7. Pankaj Gupta, Kalyan Singh, Arun Kumar Singh, Rahul Kumar, (2021), 'Pump performance improvement using DMAIC method for industrial application', *IOP Conference Series: Materials Science and Engineering*, 1116-012087, Volume 1116, Pages 1-9, April 2021.

[WoS / Scopus Approved]

8. Mayank Laddha & Dr. Neeraj Kumar (Dec 2020), 'Dynamic Load Analysis of Side Underrun Protection Device (SUPD) For Heavy Commercial Vehicles with Weight Optimization Using FEA', *Solid State Technology*, ISSN:0038-111X, Volume: 63 Issue: 2s, pp. 10315-10325, Publisher:PennWell Publishing Co.

[Scopus Approved]

#### **Academic Session: 2019-2020**

1. Rajendra Singh Rajput, Neeraj Kumar & Anshul Gangele (June, 2020), 'Optical Imaging Evaluation of Surface Topology of Camshaft of Direct Injection Diesel Engine', *TEST Engineering & Management*, ISSN: 0193-4120 Page No. 26345 – 26349, May – June 2020

[Scopus Approved]

2. Amit Tiwari, Dr. Neeraj Kumar (June, 2020), 'Characterization Study for Reducing Corrosion & Fracture Problem of Rail Track by Fabrication of Composite Material', *International Journal of Mechanical and Production Engineering Research and Development*, ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, Issue 3, Jun 2020, pp. 3619–3630

[Scopus Approved]

3. Nishant Jain, Anshul Gangele, Neeraj Kumar (May-June, 2020), 'Cost Factors of Road Freight Transportation for Sustainability in Unorganized Sector of Third Party Logistics Service Providers in Urban India', *TEST Engineering & Management*, ISSN: 0193-4120 Page No. 845 – 849

[Scopus Approved]

4. Rachit Saxena, Sonal Saxena, Shri Krishna Mishra & Rahul Kumar (June, 2020), 'Innovative Technique Method for Load Flow Analysis of Power System', *International Journal of Advanced Engineering Science and Technological Research (IJAESTR)*, ISSN: 2394 – 9627, Volume-6, Issue-2, PP: 01- 06

5. Rachit Saxena, Sonal Saxena, Shri Krishna Mishra & Rahul Kumar (June, 2020), 'Key Challenges in Integrating Large Scale Renewable Energy with the Grid in Rajasthan', *International Journal of Advanced Engineering Science and Technological Research (IJAESTR)*, ISSN: 2394 – 9627, Volume-6, Issue-2, PP: 01- 06

6. Nishant Jain, Anshul Gangele, Neeraj Kumar (May, 2020), 'Parameter Identification for Expense Cost Of Third Party Logistics Service Provider in Unorganized Urban India', *International Journal of Advanced Science and Technology*, ISSN: 2005-4238, Vol. 29, No. 9s, , pp. 850-857

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7. Yugesh Kharche, Dr. Neeraj Kumar & Dr. Mukesh Gupta (April, 2020), 'Material Removal Rate and Diameter of overcut for Sodalime glass through pressurized flow ECDM Process for Mathematical Modelling by RSM CCD technique', *International Journal of Advanced Science and Technology*, Vol. 29, No. 05, pp. 152-161, ISSN: 2005-4238  
**[Scopus Approved]**
8. Anil Kumar, Neeraj Kumar, M. S. Niranjana (April 2020), 'Synthesis and Characterization of Magnetorheological Fluids', *International Journal of Innovative Technology and Exploring Engineering*, ISSN: 2278-3075, Volume-9 Issue-6, pp. 272 – 277
9. Mr. Yusuf Ale Salam, Dr. Neeraj Kumar (March 2020), 'Investigation of waste material for construction of rural road to protect environment and improvement of rural road construction strength', *Materials Today: Proceedings*, ISSN: 2214-7853  
**[Scopus Approved]**
10. Mr. Yusuf Ale Salam & Dr. Neeraj Kumar (March 2020), 'Use of Red Stone Waste in Granular Sub Base in the form of Waste Granular Sub-Base Material (WGSB) and Waste Wet Mix Macadam (WMM)', *International Journal of Advanced Science and Technology*, Vol. 29, No. 03, (March, 2020), ISSN: 2005-4238 , pp. 7164 – 7170.  
**[Scopus Approved]**
11. Mr. Yusuf Ale Salam & Dr. Neeraj Kumar (March 2020), 'Investigation of Artificial Intelligence and Computer Application in Civil Engineering', *International Journal of Advanced Science and Technology*, Vol. 29, No. 03, ISSN: 2005-4238 , pp. 5370 – 5374,  
**[Scopus Approved]**
12. Sumit Chandak & Neeraj Kumar (March 2020), 'Development of a framework to improve supply chain performance through e-business and sustainability enablers', *Management of Environmental, Quality: An International Journal*, ISSN: 1477-7835  
**[WoS & Scopus Approved]**
13. Sasmita Nayak, Neeraj Kumar & B. B. Choudhury (March 2020), 'Fixed Task Scheduling of Industrial Robot using Genetic Algorithm Based Travelling Salesman Problem', *International Journal of Innovative Technology and Exploring Engineering*, ISSN: 2278-3075, Volume-9 Issue-5, pp : 1771-1775
14. Ajay Kumar Pagare & Neeraj Kumar (Feb. 2020), 'Improve Production Rate using Substitute Machine with Predictive Maintenance Plan', Social Science Research Network, ISSN: 1556-5068, *International Conference on Innovative Advancement in Engineering and Technology (IAET-2020)*, Jaipur National University, Jaipur, India
15. Abhinay Nigama, Dr. Neeraj Kumar & Ajay Kumar Pagare (Feb. 2020), Vedprakash Vishwakarma, Design Parameters of Testing Vessel for Deep Sea Experiments: A Review on Findings, Social Science Research Network, ISSN: 1556-5068, *International Conference on Innovative Advancement in Engineering and Technology (IAET-2020)*, Jaipur National University, Jaipur, India, pp 1-5

16. Mr. Amit Chandak, Dr. Neeraj Kumar & Dr. Avedesh Dalpati (January 2020), 'Impact of Supply Chain Strategy on Supply Chain Performance: A Structural Equation Modeling In the Context of Small Scale Indian Automobile Industries', *International Journal of Scientific & Technology Research*, ISSN: 2277-8616, Volume 9, Issue 01, pp. 1071 – 1073,

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17. Himanshu Vasnani & Dr. Neeraj Kumar (January 2020), 'Fault Diagnosis of Industrial Gear Hobbing Machine', *International Journal of Innovative Technology and Exploring Engineering*, Volume-9, Issue-3, pp. 2039-2043, ISSN: 2278-3075.

18. Vikash Kumar & Neeraj Kumar (January 2020), 'Performance Characteristics of Weld Defect Inspection by Magnetic Particle Testing', *International Journal of Innovative Technology and Exploring Engineering*, Volume-9, Issue-3, pp. 2270-2276, ISSN: 2278-3075.

19. Shubham Sharma & Dr. Neeraj Kumar (January 2020), 'Overhauled Design for Flash port of HHO Dry cell Generator' *Suresh Gyan Vihar University Journal of Engineering & Technology*, ISSN: 2395-0196, Volume 6, Issue 1

20. Prateek Yadav & Neeraj Kumar (January 2020), 'A Review on Selection of Input Decision Variables & Response Variables of Machining Process by Using Optimization Techniques' *Suresh GyanVihar University Journal of Engineering & Technology*, ISSN: 2395-0196, Volume 6 Issue 1

21. Yugesh Kharche, Dr. Neeraj Kumar & Dr. Mukesh Gupta (2020), 'Comparative analysis of Micromachining by Electrochemical Discharge Machining', *Suresh GyanVihar University International Journal of Converging Technologies & Management* VOL 6, ISSUE 1

22. Sasmita Nayak , Neeraj Kumar , B. B. Choudhury (2020), 'A Case-Based Approach for the Selection of Industrial Robots in Manufacturing Sectors', *Suresh GyanVihar University International Journal of Converging Technologies & Management* VOL 6, ISSUE 1

23. Ajay Kumar Pagare, Dr. Neeraj Kumar, Mohammad Salman Ilahi, Robin Khandelwal, Dr. Mohammad Israr (December 2019), 'A Case Study on Manufacturing Industry used Prognostic tools to Remove the Problems in Shop Floor Challenges Faced in Maintenance Engineering', *International Journal of Scientific & Technology Research* Volume 8, Issue 12, ISSN 2277-8616, pp. 1 -4, impact factor:

[Scopus Approved]

24. Amit Chandak & Neeraj Kumar & A. Dalpati (Dec. 2019), 'The Relationship Between Supply Chain Strategy and Supply Chain Performance: An Empirical Investigation Using Structural Equation Modeling', *The IUP Journal of Supply Chain Management*, ISSN: 0972-9267, Vol. XVI, No. 4, pp 1-10

25. Nayak S., Pattanayak S., Choudhury B.B., Kumar N. (Aug. 2020), 'Selection of Industrial Robot Using Fuzzy Logic Approach. in Computational Intelligence in Data Mining', *Advances in Intelligent Systems and Computing*, vol 990. Springer, Singapore, pp: 221 -232 , Print ISBN: 978-981-13-8675-6 , Online ISBN: 978-981-13-8676-3, DOI: [https://doi.org/10.1007/978-981-13-8676-3\\_20](https://doi.org/10.1007/978-981-13-8676-3_20)

**[BOOK CHAPTER]**

26. Yusuf Ale Salam & Prof. (Dr.) Neeraj Kumar (Dec-2019), Study of waste material for Sub-grade Stabilization to an improve Strength of Village Road and Protect Environment, Suresh Gyan Vihar University, Jaipur, *International Journal of Converging Technologies and Management*, Volume 5, Issue 2, pp 1-4, ISSN: 2455 – 7528

27. Amit Chandak, Neeraj Kumar & A. Dalpati (November 2019), Statistical Analysis of Impact of Strategy & Flexibility on Supply Chain Performance in the Perspective of Indian Automobile Manufactures, '*International Journal of Innovative Technology and Exploring Engineering*', ISSN: 2278-3075, Volume-9 Issue-1, pp. 1696 – 1699, impact factor: 5.54

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28. Prashant Geete, Neeraj Kumar, Sunil K Somani & Anshul Gangele (Oct 2019), 'Simulation of Double Pipe Heat Exchanger with Implementation of PCM', *International Journal of Innovative Technology and Exploring Engineering*, ISSN: 2278-3075, Volume-8 Issue-12, pp. 658 – 663, impact factor: 5.54

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29. Sasmita Nayak, Neeraj Kumar & B. Choudhury (September 2019), Selection of Commercial Robots with Anticipated Cost and Design Specifications using Regression Models, *International Journal of Recent Technology and Engineering*, ISSN: 2277-3878, Volume-8 Issue-2S10, pp. 834 – 839, impact factor: 5.92

**[Scopus Approved]**

30. Manish Joshi, Dr. Neeraj Kumar & Dr. Prashant Baredar (September 2019), 'Optimization of Solar Dryer using Taguchi Method, *International Journal of Recent Technology and Engineering*', ISSN: 2277-3878, Volume-8 Issue-3, pp. 3320 – 3326, Impact Factor: 5.92

**[Scopus Approved]**

31. Chandak, S., and Neeraj Kumar, 'Impact of E-Business Processes and Information Technology Tools on Supply Chain Performance of Indian Automobile Industries', *International Journal of Scientific & Technology Research*, Volume -8, Issue -9, pp. 282-285, Sep. 2019, ISSN 2277-8616

**(Scopus & UGC Approved)**

32. Yugesh Kharche, Dr. Neeraj Kumar , Dr. B. B. Ahuja & Dr. M. Dhanvijay (Sep. 2019), 'Experimental Investigation of MRR and DOC and Comparison of Pressurized

Electrolytes in Micro-Hole Drilling through ECDM Process', *International Journal of Control and Automation*, Special Issue Vol. 12, No. 3, pp. 26-37, ISSN: 2005-4297

[Scopus Approved]

33. Mayank Laddha, Dr. Neeraj Kumar & Avinash Kumar Namdeo (Aug 2019), 'The FEA Validation of Side Underrun Protection Device (SUPD) for Heavy Commercial Vehicles', *International Journal of Mechanical and Production Engineering Research and Development*, ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 9, Issue 4, Page No. 263-268

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34. Manish Joshi, Dr. Neeraj Kumar & Dr. Prashant Baredar (Aug 2019), 'The Optimization Techniques Used in Solar Dryers: A Review', *International Journal of Mechanical and Production Engineering Research and Development*, ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 9, Issue 4, Page No. 83-92

[Scopus Approved]

35. P.A. Thakare, Neeraj Kumar & V.B. Ugale (Aug. 2019), 'Sound transmission loss and flexural strength assessment of hybrid composite reinforced with natural fibers and kevlar', *Materials Today: Proceedings*, ISSN: 2214-7853, pp. 686–690

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36. Yugesh Kharche, Neeraj Kumar, B. B. Ahuja & M. Dhanvijay (July 2019) 'Mathematical Modelling of Material Removal Rate and Diameter of Overcut for Sodalime glass through Pressurized Flow ECDM Process by Response Surface Methodology', *International Journal of Engineering and Advanced Technology*, ISSN: 2249 – 8958, Volume-8, Issue-5, pp 372 - 375.

[Scopus Approved]

37. P.A. Thakare, Neeraj Kumar & V.B. Ugale (July 2019), 'Thermal Behaviour of Hybrid Composites Reinforced with Natural Fibers and Kevlar', *International Journal of Recent Technology and Engineering*, ISSN: 2277-3878, Volume-8 Issue-2, pp 5616 - 5621

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38. Sumit Chandak & Neeraj Kumar (July 2019), E-Business Processes and its Influence on Supply Chain performance: In the Context of Indian Automobile Industries, *International Journal of Recent Technology and Engineering*, ISSN: 2277-3878, Volume-8 Issue-2, pp. 862-867

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#### **Academic Session: 2018-2019**

1. Chandak, S., Neeraj Kumar and Dalpati, A. (June 2019), 'The Impact of E-Business on Supply Chain Performance in the Context of Indian Automobile Industry', *The IUP Journal of Supply Chain Management*, Volume 16, Issue 2, pp. 1-18, ISSN: 0972-9267.

2. Yugesh Kharche & Dr. Neeraj Kumar (June 2019), Experimental Investigation of MRR on Pressurized Electrolyte in Micro-Hole Drilling Through ECDM Process, *Journal of Advanced Research in Dynamic and Control Systems*, Volume-11 , 02-Special Issue, pp 1179-1186, ISSN: 1943-023X, -index 8, SJR-0.112, Impact Factor 0.27, Publisher: Institute of Advanced Scientific Research  
**[Scopus Approved]**
3. Yugesh Kharche & Dr. Neeraj Kumar (June 2019), Experimental investigation of Diameter of overcut on pressurized electrolyte in micro-hole drilling through ECDM process, *Journal of Advanced Research in Dynamic and Control Systems*, Volume-11 ,02-Special Issue, PP 1168-1178, ISSN: 1943-023X, h-index 8, SJR 0.112, Impact Factor 0.27, Publisher: Institute of Advanced Scientific Research  
**[Scopus Approved]**
4. Rajendra Singh Rajput, Anshul Gangele & Neeraj Kumar (April 2019), Empirical Kinematic Design of Cam and Follower System in Valve Gear Train Gear Train, *International Journal of Modern Engineering and Research Technology*, ISSN: 2348-8565, Volume 6, Issue 2, pp 139-143
5. Imtiyaz Khan & Dr. Neeraj Kumar (March 2019), ‘A Review on Optimization for Fused Deposition Modeling Process Parameter and Possible Material’, *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 1-8.
6. Abhinay Nigam & Dr. Neeraj Kumar (March 2019) ‘Synthesis and Analysis of Pressure Vessel For Deep Sea Experimental Investigation: A Review’, *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 159-164.
7. Sumit Chandak & Dr. Neeraj Kumar (March 2019), ‘Impact of E-Business on Supply Chain Performance: In Context of Indian Automobile Industries’ *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 141-148.
8. Amit Chandak & Dr. Neeraj Kumar (March 2019), ‘Analysis of Flexibility and Strategy on Performance in Context of Supply Chain: An Study for Indian Automobile Companies’ *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 115-120.
9. Amit Tiwari & Dr. Neeraj Kumar (March 2019), ‘Comparison of different materials used for railway track for to identify corrosion problem and their methods of prevention’ *International Journal for Research in Engineering Application & Management*, ISSN: 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 83-87.

10. Pravin.P.Gavade & Dr. Neeraj Kumar (March 2019), 'Review of Heat Transfer Enhancement by Different Techniques' *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 77-79.
11. Joshi Omkar, Prof. Nitin Ulmek, Prof. Ajay Pagare & Prof. Dr. Neeraj Kumar ((March 2019), 'Construction and Development of Sinter Line' *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 69-76.
12. Anil Kumar & Dr. Neeraj Kumar (March 2019), 'Soft Tools to Investigate Faults In Automobiles- A Review', *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 55-57.
13. Manish Joshi & Dr. Neeraj Kumar (March 2019), 'A Review of Renewable Energy Technologies Integrated With Desalination System', *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 42-46,
14. Sasmita Nayak, Neeraj Kumar & B. B. Choudhury (March 2019), 'Conjugate gradient with Polak-Ribiere based back-propagation algorithm for the selection of robot in rural agriculture applications', *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 19-24.
15. Pravin Thakare, Neeraj Kumar & Vinay Ugale (March 2019), 'Modal Analysis for Free Vibration Behavior of FRP Panels', *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Volume-4, Special Issue - TMRI – March 2019, PP 9-14
16. Himanshu Vasnani & Dr. Neeraj Kumar (March 2019), 'A Review on Gear Hobbing Process' *International Journal for Research in Engineering Application & Management*, ISSN : 2454-9150 Vol-04, Impact Factor: 4.438, Issue-11, pp 138- 143
17. Amit Tiwari & Dr. Neeraj Kumar (Feb 2019), 'Identify Fracture Problem on Railway Track & determined various condition of stresses acting on track' *International Journal for Research in Engineering Application & Management*, ISSN: 2454-9150, Impact Factor: 4.438, Vol-04, Issue-11, pp 179- 183
18. Sahil Kumar Prajapati, Neeraj Kumar (January 2019), 'Comparison of Different Stir Designs– A Review' *Suresh Gyan Vihar University Journal of Engineering & Technology*, ISSN: 2395-0196, Volume 5 Issue 1, pp 13- 15.

19. Yogesh Kumar, Amit Tiwari, Himanshu Vasnani & Neeraj Kumar (January 2019), 'Effect of Silicon Carbide Particles on Aluminium 6063 Metal Matrix Composite' *Suresh Gyan Vihar University Journal of Engineering & Technology*, ISSN: 2395-0196, Volume 5 Issue 1, pp 29-35.
20. Anil Kumar, Dr. Neeraj Kumar, Dr. M.S. Niranjana (October 2018), 'Synthesis of M R Fluids' *International Journal of Research and Analytical Reviews*, E-ISSN 2348-1269, P-ISSN 2349-5138, Volume 5, Issue 4, page No. 698 -701  
(UGC Approved)
21. Manish Joshi, Dr. Prashant Baredar, Dr. Neeraj Kumar (October 2018), 'Integration of Phase Change Materials With Solar Dryers for Improving Performance' *International Journal of Advances in Arts, Sciences and Engineering*, Volume 7 Issue 15, ISSN: 2320-6144.  
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22. Manish Joshi, Dr. Prashant Baredar & Dr. Neeraj Kumar (October 2018), 'Productivity enhancement & Optimization of Integrated Solar Dryer', *Journal of Emerging Technologies and Innovative Research*, Volume 5, Issue 10, ISSN-2349-5162.  
(UGC Approved)
23. Sahil Kumar Prajapati and Neeraj Kumar (October-2018), 'Stir design to improve uniform distribution of composite materials in stir casting process' *International Journal of Advanced Technology and Engineering Exploration*, Vol 5(47) , ISSN (Print): 2394-5443 ISSN (Online): 2394-7454, pp 419-425  
(UGC Approved Journal List)
24. Yogesh Kumar, Amit Tiwari, Himanshu Vasnani & Neeraj Kumar (October-2018), 'Investigation of mechanical behavior of Al 6063 &SiC composite materials', *International Journal of Advanced Technology and Engineering Exploration*, Vol 5(47), ISSN (Print): 2394-5443 ISSN (Online): 2394-7454, pp 376-384.  
(UGC Approved)
25. Anil Kumar, Dr. Neeraj Kumar, Dr. M.S. Niranjana (September 2018), 'A Review Paper on Nano Finishing Processes and Their Applications', *International Journal of Research and Analytical Reviews*, E-ISSN 2348-1269, P-ISSN 2349-5138, Volume 5, Issue 3, page No. 758 – 763.  
(UGC Approved)
26. Shubham Sharma, Dr. Neeraj Kumar, Upgraded Design for Flash port of HHO Dry cell Generator (August 2018), *International Journal of Research in Advent Technology*, Vol.6, No.8, August 2018, E-ISSN: 2321-9637, page No. 1928 – 1934  
(UGC Approved)
27. Dharendra Agarwal, Prof. Neeraj Kumar & Dr. A.K. Bansal (July 2018), 'Microstructure and effect of heat treatment on white cast iron Al alloy', *Journal of Emerging*

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**Academic Session: 2017-2018**

1. R S Rajput, Anshul Gangele and Neeraj Kumar (March 2018), 'Mathematical Modeling and Stress Analysis of Valve Gear Train of Diesel Engine at Variable Valve Lift' *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
**(UGC Approved)**
2. Imtiyaz Khan and Dr. Neeraj Kumar (March 2018), 'A Review Paper on Study and Analysis of Agriculture Cutter by Using Four Bar Mechanism' *International Journal of Pure & Applied Research In Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X  
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3. Ajay Kumar Pagare and Dr. Neeraj Kumar (March 2018) 'Study And Analysis Of Lean Tools To Improve And Increase The Efficiency Of Manufacturing Process' *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, March, 2018], ISSN: 2319-507X.  
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4. Lokesh Kumar Sharma And Dr. Neeraj Kumar (March 2018) 'Technological Development In Indian Agriculture' Published, *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
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5. Yugesh Kharche & Dr. Neeraj Kumar (March 2018) ''Experimental Investigations On ECDM: A Review', *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
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6. Mohit Raj & Dr. Neeraj Kumar (March 2018) 'Inspection Of Copper Based Composite Fabricated By Powder Metallurgy For Electrode Purpose Used in EDM Machine' *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
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7. Pradhuman Shringi & Dr. Neeraj Kumar (March 2018) 'A Review On The Non-Traditional Machining Process', *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, March, 2018, ISSN: 2319-507X.  
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8. Dharmendra Kumar, Dr. Neeraj Kumar (March 2018), Ravindra Kumar Jain, Arvind Kumar Singh 'Optimization Of Weld Bead Geometry in GMAW Process Using RSM By Box-Behnken Design', *International Journal of Pure & Applied Research In Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
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9. Sasmita Nayak, Dr. Neeraj Kumar & Dr. B. B. Choudhury (March 2018) 'An Approach Towards Distributed Quality Monitoring Of Drinking Water In The Reservoirs', *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
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10. Jandel S Yadav, Neeraj Kumar, Anshul Gangele (March 2018), 'Application of AHP and TOPSIS Integrated Methodology Assessment of Customer Importance Ratings In Quality Function Deployment', *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, [Volume 06, Issue 08, March, 2018], ISSN: 2319-507X.  
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11. Amit Tiwari, Dr. Neeraj Kumar, Dr. Mukesh Kumar Gupta (March 2018), 'A New Concept of Cooking Food By Generating Superheated Steam in Solar Chulha', *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
(UGC Approved)
12. Vinay Soni, Amit Tiwari & Dr. Neeraj Kumar (March 2018), 'An Experimental Investigation to Reduce Nox and Pm Emissions from CI Engine', *International Journal of Pure & Applied Research in Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
(UGC Approved)
13. Dharendra Agarwal, **Prof. Neeraj Kumar** & Dr. A.K. Bansal (March 2018), 'Literature Survey on White Cast Iron Low Cost Corrosion Resistant Fe-Cr-Mn-Mo) Detailed Study' *International Journal of Pure & Applied Research In Engineering & Technology*, Impact Factor 4.226, Volume 06, Issue 08, ISSN: 2319-507X.  
(UGC Approved)
14. Pravin A. Thakare, Neeraj Kumar, Vinay Ugale (March 2018), 'Development of Hybrid Reinforced Composite Structural Panels Used In Defence Applications', *International Journal of Pure & Applied Research In Engineering & Technology*, Impact Factor 4.226, [Volume 06, Issue 08, March, 2018], ISSN: 2319-507X.  
(UGC Approved)
15. Pravin Gavade & Dr. Neeraj Kumar (March 2018), 'Experimental Investigation of Helical Coil and Straight Tube Heat Exchanger', *International Journal of Pure &*

*Applied Research In Engineering & Technology*, Impact Factor 4.226, [Volume 06, Issue 08, March, 2018], ISSN: 2319-507X.

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16. Tapan Jain & Dr. Neeraj Kumar (March, 2018), 'Energy Characteristics of Multi Structure Truck RUPD under Collision' *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 13, Number 6 (2018) pp. 4542-4549

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