

Dr.S.Syath Abuthakeer
Associate Professor,
Department of Mechanical Engineering,
PSG College of Technology,
Peelamedu,
Coimbatore-641 004.
Email : syathpsgtech@gmail.com

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS :

1. The evolving theory of quality management: the role of Six SigmaV Raja Sreedharan, R Raju, S **Syath Abuthakeer**, PV Mohanram, GM Kumar, **October 2016**,International Journal of Lean Six Sigma Volume 7 , Issue (4),pp. 430-466.
2. Productivity improvement of gear box manufacturing by using lean approach,K.Ganesan **S SyathAbuthakeer**, L karthikeyan, ,**June 2016**,National Journal of Technology, Volume12, Issue (2), pp.38-44.
3. Experimental study on minimisation of boring bar vibration and surface roughness of the workpiece using viscoelastic particle damping,srinivasan Dr.**S. SyathAbuthakeer**, Johan peter soosairaj, Padmanaban,**January 2016**,International Journal of Manufacturing Technology and Managemen,PP.1-16.
4. The Inclusion of Prediction and Control of Energy Consumption of Injection Molding Industry,SAbuthakeer, S Begam, R Swamynathan, **2016**, Asian Journal of Research in Social Sciences and Humanities, Volume 6, Issue (7), pp.1606-1618.

5. **SyathAbuthakeer S**, ShabeenaBegam M, &Swamynathan R **2016** , ‘ The inclusion of prediction and control of Energy consumption of Injection Molding Industry, Asian Journal of Research in Social Sciences and Humanities, ISSN 2249-7315, Vol.6, No. 7,pp.1606-1618.
6. **SyathAbuthakeer S**,VasudaaRamakrishnan&AfsanaNizamudeen **2016**, Application of Natural Fiber Composites in Engineering Industries: A Comparative study, Applied Mechanics and Materials, ISSN:1662-7482, Vol. 854, pp.59-64.
7. **SyathAbuthakeer, S**, Pavithran T, Vigneshraj M.S.E and Vimal Kumar S **June 2017** , ‘Aggregate Planning and Inventory Management in Textile Industry’, International Journal of Recent Engineering Research and Development, ISSN: 2455-8761, Vol.2, Issue 06, pp. 1- 12.
8. **SyathAbuthakeer, S**, Pavithran T, Vigneshraj M.S.E and Vimal Kumar S **June 2017** , ‘Experimental investigation on human hand arm vibration in a jack hammer operator – sand floor’, International Journal of Intellectual Advancements and Research in Engineering Computations, ISSN : 2348-2079, Vol.5, Issue 02, pp.1945-1948.
9. **S.SyathAbuthakeer** , S. KarthikNiranjan, Anish Prajivin N , Mubarak J , E.K. Srivishnu , R. Sathish Kumar , **June 2017** ‘Experimental study of vibration exposure of tractor occupant subjected to whole body vibration’, International Journal of Intellectual Advancements and Research in Engineering Computations ISSN : 2348-2079, Vol.5, Issue 02, pp.1939- 1944.
10. N Saravanan, J Mubarak, **S SyathAbuthakeer,June 2017**, ‘Mathematical Modeling of Half Car and Full Car Model to Study the Biodynamic Response of Tractor Occupant Subjected to Whole Body Vibration’, ISSN : 2348-2079, Vol.5, Issue 02, pp.1676-1682.
11. **S.SyathAbuthakeer**, S. MohithKaameswaran, K. Venkatachalam M, **July 2017**, ‘ Review of State of Art and Process Parameter Influence in EDM Technology’, ISSN 2231-5381, Vol.48, Issue No. 1, pp. 39-47.

12. Process Parameter Analysis of MRR and surface roughness in electric discharge Machining of Aluminium Titanium carbide compoosite, Dr. S **SyathAbuthakeer**, MohithKameswaran, K.Venkatachalam, **September 2017**, National Journal of Technology, Volume 13, Issue (3), pp.46-51.
13. Review of State of Art and Process Parameter Influence in EDM Technology, K.Venkatachalam, Dr. S. **SyathAbuthakeer**, Associate Professor, S. MohithKaameswaran, **June 2017**, International Journal of Engineering Trends and Technology (IJETT), Volume 48, Issue (1), pp.39-47.
14. Experimental and Analytical Investigation of Biodynamics response of Tractor occupant system subjected to whole body vibration, **SyathAbuthakeer** S, S Saravanan and V. Vijayakumar, **June 2017**, National Journal of Technology, ISSN- 0973-1334, Volume 13 , Issue (3), pp.29-36.
15. Aggregate Planning and Inventory Management in Textile Industry, S. **SyathAbuthakeer**, T. Pavithran, M.S.E. Vigneshraj, S. Vimalkumar, **June 2017**, International Journal of Recent Engineering Research and Development, Volume 2 , Issue (06) , pp.1-12.
16. Experimental investigation on human hand arm vibration in a jack hammer operator – sand floor, S. **SyathAbuthakeer** T. Pavithran, M.S.E. Vigneshraj , S. Vimalkumar ,**May 2017**, International Journal of Intellectual Advancements and Research in Engineering, Volume 5 , Issue (2), pp.1945-1948.
17. Experimental study of vibration exposure of tractor occupant subjected to whole body vibration , S. KarthikNiranjan, Anish Prajivin N , Mubarak J , E.K. Srivishnu , R . Satish Kumar, S. **SyathAbuthakeer** , **May 2017** , International Journal of Intellectual Advancements and Research in Engineering Computations-ISSN:2348-2079 , Volume 5, Issue (2), pp.1939-1944.

18. Mathematical Modeling of Half Car and Full Car Model to Study the Biodynamic Response of Tractor Occupant Subjected to Whole Body Vibration, N Saravanan, J Mubarak, S **SyathAbuthakeer**, **May 2017**, International Journal of Intellectual Advancements and Research in Engineering Computations - ISSN 2348-2079, Volume 5 , Issue (2) , pp.1946-1948.
19. Bionics as an inspiration for machine tool structure - A review, S. **SyathAbuthakeer**, Revanthkumar S, Monish Aravind R, **May 2017**, Manufacturing Technology Today, Volume 16, Issue (5), pp. 10-15.
20. Application of Natural Fiber Composites in Engineering Industries: A Comparative Study, S **SyathAbuthakeer**, R Vasudaa, A Nizamudeen, **2017**, Applied Mechanics and Materials, Volume 854, pp.59-64.
21. Assessment of Lean Manufacturing Practices in Coimbatore Machine Tool Industries , C.Balajiprasath , M.ShabeenaBegam, Dr. S. **SyathAbuthakeer** T. Ekasuthan , **April 2018** ,International Journal of Intellectual Advancements and Research in in Engineering Computations , Volume 6, Issue 1 , pp.788-793.
22. Study of Special Purpose Machine for Motor Body Welding Integrated with Lean Strategy & Human Ergonomics, Dr. S. **SyathAbuthakeer** and R. Rishikumar , **April 2018** , International Journal of Intellectual Advancements and Research in in Engineering Computations, ISSN: 2348-2079 , Volume 6 , Issue 1 , pp.817-821.
23. Strengthening of Road using Coir Sub-Base Strengthening, Dr.S.**SyathAbuthakeer** S.M. Lalit , V.B. Subash, G. NithinKrisshna, **April 2018**, International Journal of Intellectual Advancements and Research in Engineering Computations , ISSN: 2348-2079 , Volume 6 , Issue 1 , pp.783-787.
24. Survey on Lean Manufacturing Practices in Coimbatore Pump Industries, T. Ekasuthan and M. ShabeenaBegam, S.**SyathAbuthakeer** ,C. BalajhiPrasath, **April 2018**,

International Journal of Intellectual Advancements and Research in Engineering Computations, Volume 6, Issue (1), pp.778-782.

25. An investigation on a new road by hybrid technology, C V.SathrudhanChoudhary, S. **SyathAbuthakeer**, Nandha Kumar, **March 2018**, International research journal of automotive technology (IRJAT), Volume 1 , Issue (1), pp.71-77.
26. An investigation on biogas (kitchen waste) as fuel to run generator, C V SathrudhanChoudhary, S.**SyathAbuthakeer**, Nandha Kumar, **March 2018**, International research journal of automotive technology (IRJAT) , Volume 1, Issue (2), pp.78-84.
27. Design of Geneva Wheel Mechanism and its Implementation in the Table Indexing of Drilling Machine,Sachin Ganesh and Nowfal ,Dr.S.**SyathAbuthakeer** , Megala, **March 2018** , National Journal of Technology , Volume 14, Issue (1), pp.7-16.
28. Design of Special Purpose Machine for TIG Welding of Circumferential Seam of Motor Body, R Rishikumar, N Murugan, B Vinod, **syathAbuthakeer**, **January 2018**, Indian Welding Journal, Volume 51, Issue (1), pp.1-7.
29. **SyathAbuthakeerS**,Tamilvanan N Karthick D, ShabeenaBegam M, Abhinaya M, **August 2019**.“ An introduction to industry 5.0 and its impacts on assembling and conveyance enterprises”, International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X, Impact Factor: 4.295, Volume 5, Issue 4.
30. **SyathAbuthakeer S**, Tamilvanan.N, **September 2019**, “A headway approach on transportation and logistics management by digital transformation “International journal of management and applied science, ISSN: 2394-7926, Impact Factor: 3.98, Volume 5, Issue 12.
31. **SyathAbuthakeer S**, Tamilvanan.N, **august 2020**, “An improved methodology to find the impacts

of lean manufacturing concepts on the distribution industries" International journal of creative research thoughts, ISSN : 2320-2882, Impact Factor: 7.97, Volume 8, Issue 8.

32. **Syath Abuthakeer S**, Tamilvanan.N , **July 2020**, "A Development approach on lean advertising and implementation in an automotive product distribution industry" International journal of engineering research and technology, ISSN : 2278-0181 , Impact Factor: 7.87, Volume 9, Issue 7.

PAPERS PUBLISHED IN NATIONAL JOURNALS

1. Sakri MI, Saravanan S, **Syath Abuthakeer S** and Mohanram PV March 2009 , Investigations on influence of mounting conditions on dynamics behavior of printed circuit Boards,' National Journal of Technology, ISSN- 0973-1334, Vol.5, No.1, pp.35-44.

2. **SyathAbuthakeer S** , Mohan Kumar G and Mohanram PV December 2010, ‘ Prediction and control of cutting tool vibration in CNC lathe with ANN’, National Journal of Technology, ISSN- 0973-1334, Vol.6, No.4, pp.74-86.
3. **SyathAbuthakeer S**, Mohan Kumar G and Mohanram PV 2011, ‘Comparative study with Alternative Materials for Machine Tool Structures’, Manufacturing Technology Today, CMTI, Bangalore, ISSN: 0972-7396, Vol.10, No.7, pp.3-10.
4. Selvakumar A, Sakri M.I, **SyathAbuthakeer S and** Mohanram PV 2011, ‘Experimental analysis of fundamental frequencies for a PCB with various mounting materials, National Journal of Technology’, National Journal of Technology , ISSN- 0973-1334, Vol.7, No.3, pp.32-38.
5. Mahendrakumar N, **SyathAbuthakeer S** and Mohanram PV 2013, ‘ Redesign of Gantry type vertical machining centre and analysis of deflection in side walls using finite element method’, National Journal of Technology, ISSN- 0973-1334, Vol.9, No.3, pp.78-84.
6. **SyathAbuthakeer S**, Karthikeyan L and Ganesan K 2016, ‘ Productivity improvement of gear box manufacturing by using lean approach’ National Journal of Technology, ISSN- 0973-1334, Vol. 12, issue 2 pp. 38-44.
7. **SyathAbuthakeer S**, Revanth Kumar S and Monish Aravind R May 2017, ‘Bionics as an inspiration for machine tool structure – A review’, Manufacturing Technology Today, CMTI, Bangalore, ISSN: 0972- 7396, Vol.16, No.5, pp.10-15.
8. **SyathAbuthakeer S**, S. Saravanan and V. Vijayakumar June 2017 , ‘ Experimental and Analytical Investigation of Biodynamics response of Tractor occupant system

subjected to whole body vibration' ,National Journal of Technology, ISSN- 0973-1334, Vol.13, No.3, pp.29-36.

9. **Syath Abuthakeer S**, Revanth Kumar S and Monish Aravind R May 2017, 'Bionics as an inspiration for machine tool structure – A review', Manufacturing Technology Today, CMTI, Bangalore, ISSN: 0972- 7396, Vol.16, No.5, pp.10-15.
10. Mr. R Rishikumar, Dr. N Murugan, Dr. B Vinod, **Dr. S Syath Abuthakeer**, January 2018, 'Design of Special Purpose Machine for TIG Welding of Circumferential Seam of Motor Body', Indian Welding Journal, Vol. 51, No.1.
11. **Syath Abuthakeer S**, Megala A, Sachin Ganesh U, Nowfal N, March 2018, 'Design of Geneva Wheel Mechanism and its Implementation in the Table Indexing of Drilling Machine', National Journal of Technology, ISSN: 0973-1334, Vol. 14, Issue 01, pp.7-16.
12. **Syath Abuthakeer S**, Karthick.D, Tamilvanan.N, Shabeena begam.M, October 2019, 'The scrutiny of benediction on lean management in healthcare units', Journal of the gujrat research society , ISSN: 0374-8588, Vol. 21, Issue 06, pp.126-130.
13. **Syath Abuthakeer S**, Karthick.D, Tamilvanan.N, Shabeena begam.M, October 2019, 'The Unification Coalition for Lean management and Industry 4.0', Journal of the gujrat research society, ISSN: 0374-8588, Vol. 21, Issue 06, pp.186-190.
14. **Syath Abuthakeer S**, Arun kumar D and Ramu Murugan, 2020, 'Experimental and numerical analysis of soil - to - air heat exchanger system for domestic buildings', Thermal science, ISSN-0354-9836, Vol. 24, Issue 1 pp.603-608.

