

2016-17 publications:

1. A research paper on 'Tribological Properties of Aluminium Metal Matrix Composites (AA7075 Reinforced with Titanium Carbide (TiC) Particles)' authored by Asst.Prof. V.Ramakoteswara Rao, N.Ramanaiah and M.M.M.Sarcar, was published in the International Journal of Advanced Science and Technology, Vol.88, pp.13-26,Jan 2016.
2. A review paper on 'A Review on Properties of Aluminium Based Metal Matrix Composites via Stir Casting' authored by Asst.Professors V.Ramakoteswara Rao, and J.Rangaraya Chowdary was published in the International Journal of Scientific & Engineering Research, Vol. 7, Issue 2 ,pp.742-749, Feb-2016.
3. A research paper on 'Integrated production – Inventory-distribution optimization in a multi- echelon supply chain' authored by T.V.S.R.K Prasad,Prof.K.Srinivas and Assoc.Prof.Dr.C.Srinivas was published in the Manufacturing Technology Today Vol 14,issue 12, ISSN 0972-7396,pp-16-21,Feb 2016.
4. A research paper on 'Decentralized Production Planning in Multi-echelon Supply Chain Network using Autonomous Agents' authored by T.V.S.R.K Prasad,Prof.K.Srinivas and Assoc.Prof.Dr.C.Srinivas was published in Proceedings of the International Conference on Trends in the Industrial and Mechanical Engineering, during Feb 4-6,2016 held at MANIT Bhopal.
5. A research paper on 'Integrated Production – Inventory-distribution Optimization in a Multi- echelon Supply Chain' authored by T.V.S.R.K Prasad,Prof.K.Srinivas and Assoc.Prof.Dr.C.Srinivas was published in the Proceedings of the International Conference on industrial Engineering, held at SVNIT,Surat in Feb 2016.
6. A research paper on 'Design of Machine Layout in Flexible Manufacturing Systems' authored by Assoc.Prof.Dr.C.Srinivas was published in the International Journal of Trend in Research and Development, Vol 3,Issue 2, ISSN 2394-9333,pp-612-614,Feb 2016.
7. A research paper on 'Use of the grey relational analysis to determine optimum drilling cutting parameters of Al-6063th multi performance characteristics' authored by M.N.S.Mounish and Assoc.Prof.Dr.C.Srinivas was published in the International Journal of Trend in Research and Development, Vol 3,issue 3, ISSN 2394-9333,pp-218-223,March 2016.
8. A review paper on 'A Review on Mechanical and Tribological Properties of Metal matrix Composites' authored by Asst.Prof. V.Ramakoteswara Rao, N.Ramanaiah and M.M.M.Sarcar, was published in the Journal of Polymer & Composites, Vol. 4(1), 2016, pp.16-26, March 2016.
9. A research paper on 'Optimization of Surface Roughness, circularity deviation and selection of different Aluminium alloys during drilling for automotive and aerospace industry', authored by Asst.Prof. Reddy Sreenivasulu and Ch.Srinivasa Rao was published in the Independent Journal of Management & Production (ISSN:2236-269X) Volume 7,No2, pp 413-430, April - June 2016.
10. A research paper on 'Overview on Burr Formation, Simulation and Experimental Investigation of Burr size based on Taguchi Design of Experiments during Drilling of Alluminium 7075 Alloy', authored by Asst.Prof. Reddy Sreenivasulu and Ch.

- SrinivasaRao was published in the AKGEC International Journal of Engineering and Technology (ISSN: 0975-9514) Vol.7,issue No1,pp 24 – 30, Jan- June 2016.
11. A research paper on 'Design Optimization of IC engine Rocker-arm using Taguchi based Design of experiments', authored by Assoc.Prof.Dr. G.Chaitanya ,Asst.Prof. Reddy Sreenivasulu and Ch SrinivasaRao was published in the AKGEC International Journal of Engineering and Technology, Vol.7,No1, ISSN: 0975-9514 pp 38 – 42, Jan-June 2016.
 12. A research paper on 'Thermodynamic Analysis of Air Cooled Gas Turbine used in Marine Applications', authored by Assoc.Prof.K.Balaprasad,Asst.Prof. V. Tara Chand, I. N. Niranjana Kumar,Prof.K. Ravindra and V. Naga Bhushana Rao was published in the International Journal of Thermal Technologies, Vol.6, Issue No., pp 32-39, March 2016.
 13. A research paper on 'Modeling and Simulation of Nano and Multiscale Composites', authored by Assoc.Prof.Dr.B.Ramgopal Reddy and K.Ramji, was published in the International Journal of Hybrid Information Technology, Vol.9,Issue 3 pp. 133-144, March 2016.
 14. A research paper on 'Effect of Epoxy modifiers (Bagasse fiber / Bagasse ash / Coal powder /Coal Fly ash) on mechanical properties of Epoxy / Glass fiber hybrid composites', authored by Assoc.Prof.Dr.B.Ramgopal Reddy and Raffi Mohammed, was published in the International Journal of Applied Engineering Research(IJAER, ISSN 0973-4562, Vol. 10(24), pp. 45625-45630. March 2016.
 15. A research paper on 'Design of Ventilation and Air Conditioning for 50 Ton Bollard Pull Utility Tug Built for Indian Navy' authored by Asst.Prof. K. Lakshmi Chaitanya and Professor K. Srinivas, K. Jagadish Chandra Bose was published in the Journal of Refrigeration and Air Conditioning, Heating and Ventilation, Vol 3, Issue 1, ISSN: 2394-1952,pp23-31, March 2016.
 16. A research paper on 'Modeling of Surface Roughness for AISI 52100 steel in WEDM by design of experiments', authored by Prof. Srinivasarao.G, Suneel.D, Santhi priya.P, was published in the International Journal of Engineering Research and technology, Vol. 5, No.5,pp.234-239 April 2016.
 17. A research paper on 'Optimization of machining parameters for EDM operations based on central composite design and desirability approach', authored by Prof.Chittaranjan Das. V, was published in the International Journal of Advanced Science, Vol. 2 No.3, pp 117-124, April 2016
 18. A research paper on 'Response surface Methodology and Desirability Approach to Optimize EDM Parameters' authored by Prof.Chittaranjan Das. V, was published in the International Journal of Hybrid Information Technology, Vol.9, No.4, pp. 393-406, April 2016.
 19. A research paper on 'Investigation on Influence of drilling parameters on Thrust force and Torque - Based on Design of Experiments', authored by Reddy Sreenivasulu Asst.Prof. was published in the International Journal of Scientific & Engineering Research, Volume 7, Issue 6, pp 53-56, June-2016.
 20. A research paper on 'A research paper on 'A Review on Effect of Adding Additives and Nano Additives on Thermal properties of Gear Box Lubrication', authored by Dr.N.V.V.S.Sudheer Assoc..Prof. was published in the International Journal of Applied Research ISSN 0973-4562, Volume 11, Number 5, pp 3509-3526, April 2016.

21. A review paper on 'Enhancement of Microstructure and Mechanical Properties of Al Alloys – Review', authored by Suresh Babu K, Dr.N.V.V.S.Sudheer Assoc..Prof and M.Maruthi Rao and was published in the International Journal of Science, Engineering and Technology Research (IJSETR), ISSN: 2278 – 7798, Vol 5, Issue 4, pp 1129-1143, April 2016.
22. A review paper on 'Possibility of Using Refrigerant Blends In the Existing Refrigerator & AC Systems: A Review', authored by Dr.N.V.V.S.Sudheer Assoc..Prof. was published in the IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN: 2278-1684, Vol. 13, Issue 3, pp 63-70, May- Jun. 2016.
23. A research paper on 'Performance Analysis of A Single Cylinder Four stroke Diesel Engine Using Sunflower Oil as a Bio-Diesel Blend : An Experiment ', authored by Anusha Peyyala ,Dr.N.V.V.S.Sudheer Assoc..Prof. was published in the International Journal of Innovations in Engineering and Technology (IJIET), Vol. 7, issue 1,ISSN: 2319 – 1058, pp-647-656,June 2016.
24. A research on paper on Optimization of Drilling Parameters for HFRP Composite Using Anova Analysis written by K.V. Satyanarayana and Prof.D.V.V.krishna Prasad was written in the International Research Journal Of Mathematics, Engineering and IT Vol. 3, Issue 5, ISSN: (2349-0322), May 2016.
25. A research paper on 'Optimization of Drilling Parameters for Delamination Factor In Of Hybrid Fiber Reinforced Polymers written by K.V. Satyanarayana and Prof.D.V.V.Krishna Prasad was written in the IJISET - International Journal of Innovative Science, Engineering & Technology, Vol.3 Issue 6,pp.,ISSN:2348-7968, June 2016.
26. A research paper on 'Investigation of Mechanical Properties of Al356 Metal Matrix Composites' written by Assistant Professors Sneha. H. Dhoria*, M. Vijaya, P. Santhi Priya, T.Yamini was written in the journal of 'Design of Back stopper Mechanism for Automobiles' - IJETT Oct, 2016.
27. A research paper on 'Design and Optimization of Metal Matrix Composite (MMC'S) Spur Gear' written by J.P.Karthik,Asst.Prof.,Rohith Sai Tunuguntla, Sai Praneeth Singu was written in the International Journal of Advanced Design and Manufacturing Technology,Vol. 9,Issue 3,2016.
28. A research paper on 'Design and Optimization of Locomotive Suspension System Using Ant Colony Optimization' written by B. Bhavani, S. Srinivas Prasad J.P. Karthik,Asst.Prof. was written in the journal Trends in Machine design,Vol.3,issue 2,pp 44-49,Sept.2016.
29. A research paper on 'Fabrication and Friction Stir Welding of Aluminium SiC metal matrix composites', written by C.Sailaja and B.Ramgopal Reddy, Assoc.Prof.was written in the International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN 2347-6710, Vol. 5(7), pp: 13153-13159, 2016.
30. A research paper on 'Sliding Wear Behavior of High Velocity Oxy-Fuel Sprayed WC-CO Coatings' written by Y.N.V.SaiRam and Ch.Devaraj,Assistant .Professors was published in International Journal of Advanced Science and Technology Vol.93 (2016), pp.45-54,ISSN 2005-4238,Sept.2016.
31. A research paper on 'Mechanical and Tribological properties of AA7075–TiC metal matrix composites under heat-treated (T6) and cast conditions' written by

V.Ramakoteswara Rao, Asst.prof. N.Ramanaiah and M.M.M.Sarcar, was published in the Journal of Materials Research and Technology, vol.5 (4), pp 377-383, 2016.

32. A research paper on "Application of Grey-Taguchi Technique for Optimization of Process Parameters for wear behavior on AA7075-TiC metal matrix composites" written by V. Ramakoteswara Rao, N. Ramanaiah, M.M.M. Sarcar and Ch. Deva Raj was published in the Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research (AIMTDR-2016), pp:1685-1688, 2016.

Paper Presentations in Conferences:

1. C. Tara Sasanka, D. Sameer Kumar, Assistant Professors and Prof. K. Ravindra K.N.S. Suman, Palash Poddar presented a paper on 'Microstructure and Hardness Evaluation of AZ91-Al₂O₃ Nano- Composites fabricated by Semi Solid Stir Casting', in the 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), during Dec 16-18, 2016 at , College of Engineering ,Pune, Maharashtra, INDIA.
2. Dr.V.Chittaranjan Das presented a paper on 'Effect of Fuel injection Pressures on performance and emission characteristics of DI-CI Engine with Shea Olein' in the International Conference on processing of Materials, Minerals and Energy (PMME) conducted by 29-30 July, 2016.
3. Dr.V.Chittaranjan Das and Dr.N.V.V.S.Sudheer presented a paper on 'Optimization of multiple performance characteristics of the electrical discharge machining process on metal matrix composite (Al/5%TiCp) using Response surface methodology and desirability approach' in the AIMTDR Conference, conducted from 16 -18 Dec.2016.
4. Dr.N.V.V.S.Sudheer and Dr.V.Chittaranjan Das presented a paper on 'Effect of Eco Friendly High Heat Transfer rate Soap nut solution in turning of Aluminium Metal Matrix Composite' in the AIMTDR Conference, 2016 conducted from 16 -18 Dec.2016.
5. Reddy Sreenivasulu, Asst.Prof B.Bhargavi written a paper in the conference proceedings on 'Overview on Hybrid Metal Matrix Composites (HMMC)' at National Conference on Technological Advancements in Mechanical Engineering (TAME-2016) organized by Department of Mechanical

Engineering, JNTUK, Kakinada during 22–23, pp 104-106. ISBN: 978-93-85100-57-4, July, 2016.

6. Dr.N.V.V.S.Sudheer, Dr.V.Chittaranjan Das presented a paper on ‘Application of Grey-Taguchi Technique for Optimization of Process Parameters for wear behavior on AA7075-TiC metal matrix composites” in the 6th International and 27th All India manufacturing technology, Design and Research conference (AIMTDR-2016), Organized by Pune College of Engineering, Pune, Maharashtra , held during 16-18, December 2016.
7. Dr.S.Radhika,Assistant Prof. presented a paper on ‘Multi-objective optimization of master production scheduling problems using jaya algorithm’ in the 6th International and 27th All India Manufacturing Technology, Design and Research (AIMTDR2016) Conference conducted by Department of Production Engineering and Industrial Management, College of Engineering, Pune (COEP), Maharashtra, held during 16-18 Dec, 2016.
8. Mr. Reddy Sreenivasulu Asst.Prof. presented a paper on ‘Prediction of surface roughness in end milling operation of Aluminium 6351-T6 alloy using Taguchi methodology’ in the National Conference on Design and Manufacturing for Product Life Cycle (DPLC-2016) organized by Department of Mechanical Engineering, BITS Pilani, Hyderabad during March 19 – 20, 2016.
9. Mr. Reddy Sreenivasulu Asst.Prof. presented a paper on ‘Influence of drilling parameters on thrust force and torque during drilling of Aluminium 7075 Alloy’ in a National Conference on Recent Trends in Mechanical Engineering (NCRTME-2016) organized by Department of Mechanical Engineering, JNTUH, Hyderabad during April 28th – 29th, 2016.