

Research Publications in 2018

1. Priya S. Natesh, I.V. Sarma and K. Baskar, "**Tension Field Action in Plate Girder under Various Loading Conditions**", *International Journal of Civil Engineering and Technology*, 9(8), 2018, pp. 130-138., 2018, ISSN:0976-6308, Scopus.
2. Anshuman Kumar, K Abhishek, K Vivekananda and Chandramani Upadhyay, "**Experimental study and optimization of process parameters during WEDM Taper cutting, soft computing for problem solving**", *Advances in Intelligent Systems and Computing*, 2018, ISSN:2194-5357, UGC Care/Scopus.
3. Dr. Anjanna Matta, "**Order of chemical reaction and convective boundary condition effects on micropolar fluid flow over a stretching sheet**", *AIP Advances* 8, 115212 (November 2018) 1-10, 2018, ISSN:2158-3226, UGC Care/Web of Science/Scopus.
4. D.V.Raghunatha Reddy, CH. Venugopal, "**A Review on Performance of Vapour Compression Refrigeration System Using Nano Additive Refrigerants**", *American Association for Science and Technology*, Vol. 4, No. 1, 2018, pp. 14-18., 2018, 2349-5162, Others.
5. Movva Pavani and Kishore K Kumar, "**Large Scale Urban Air Quality Monitoring Using Wireless Sensor Networks**", *ARPJ Journal of Engineering and Applied Sciences (JEAS)*, 2018, ISSN:1819-6608, Others (Goggle Scholar/Ebscohost).
6. Karpaga Selvi Subramanian, S. Vairachilai, Tsadkan Gebremichael, "**Features Extraction and Dataset Preparation for Grading of Ethiopian Coffee Beans Using Image Analysis Techniques**", *Information and Communication Technology for Intelligent Systems*, 2018, Print ISBN 978-981-13-1741-5; Online ISBN 978-981-13-1742-2, Others.
7. G.S.Mohan Reddy, S.Srinivas Rau, "**A Note On Dirichlet Series Connected To $Ld(1)$ by $Ld(2)$** ", *Communications in Applied Analysis*, 2018, ISSN:2277-3878, Web of Science/Scopus.
8. S. Sahoo, S. K. Panda, K.V. Rao, "**An Investigation into the usability of Blockchain Technology in Internet of Things**", *Communications in Computer and Information Science*, 2018, ISSN 1865-0929, UGC Care/Scopus.
9. M. Dwivedi, S.K. Panda, "**An Investigation into Classification Technique in Machine Learning: An Empirical Study**", *Communications in Computer and Information Science*, 2018, ISSN 1865-0929, UGC Care/Scopus.
10. G. Sudhaamsh Mohan Reddy, S.K. Ameen Saheb, N.Ch. Bhatra Charyulu and Sandeep Kumar Panda, "**Design Strategies for Solving Travelling Salesman Problem**", *Journal of Advanced Research in Dynamical and Control Systems*, 2018, 1943-023X, Web of Science.
11. Dr Sumita Datta, "**Importance sampling studies of Helium Using the Feynman-Kac path integral Method**", *Eur. Phys. J. Plus* 133, 202 (2018), 2018, ISSN: 2190-5444, UGC Care/Web of Science/Scopus.
12. K.Kishore Kumar and P.Trinath Rao, "**Stride towards aging problem in face recognition by applying hybrid local feature descriptors**", *Evolving Systems Volume 9, Issue 4 pp. 1-17*, Springer, 2018, ISSN: 1868-6478 (Print); 1868-6486 (Online), UGC Care/Web of Science/Scopus.
13. G. Sudhaamsh Mohan Reddy, "**Generalization of Contraction Principle on G-Metric Spaces**", *Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume14, Number 9 (2018)*, pp. 1159-1165, 2018, ISSN:0973-1768, Others (Goggle Scholar/Ebscohost).

14. G. Sudhaamsh Mohan Reddy, "**Fixed Point Theorems for (e- I) Uniformly Locally Generalized Contractions**", *Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 14, Number 9 (2018)*, pp. 1177-1183, 2018, ISSN:0973-1768, Others (Goggle Scholar/Ebscohost).
15. Movva Pavani and P.Trinatha Rao,, "**Novel Two-Fold Data Aggregation and MAC Scheduling to Support Energy Efficient Routing in Wireless Sensor Network**", *IEEE Access.*, 2018, 2169-3536, UGC Care/Web of Science/Scopus.
16. Harika Devi Kotha and V Mnssvkr Gupta, "**IoT Applications, A Survey**", *International Journal of Engineering and Technology(UAE)*, 2018, ISSN: 2227-524X, Others (Goggle Scholar/Ebscohost).
17. Sirisha Potluri, Dr. Katta Subba Rao, "**Quality of Service in Cloud Environment,**", *International Journal of Innovative Research in Technology*, 2018, ISSN: 2349-6002, Others (Goggle Scholar/Ebscohost).
18. S .Vairachilai, "**Collaborative Filtering Recommender System (CFRS): Comparative Survey on Cold-Start Issue**", *Indian Journal of Science and Technology*, 2018, ISSN (Print): 0974-6846, ISSN (Online): 0974-5645, Web of Science/Scopus.
19. Sirisha Potluri, Katta Subba Rao, Adluri Vijaya Lakshmi, "**Quality of Service-Based Cloud Models in Manufacturing Process Automation**", *Innovations in Computer Science and Engineering*, 2018, ISBN: 978-981-10-8201-6, Others.
20. Shaik Himam Saheb M. Sree Hari Annam Vijay Kumar, "**Finite Element Simulation of Deep Drawing of Aluminum Alloy Sheets**", *International Journal of Industrial and Manufacturing Systems Engineering, (January 16, 2018) 2(6): 83-1-Feb-*, 2018, 2575-3150, Others.
21. A. Harish , Dr.Chandrashekhar A , Dr.G. Satish Babu, "**Path Planning of A Parallel Manipulator Using A*Algorithm**", *International Journal of Management, Technology And Engineering*, 2018, 2249-7455, Others.
22. B.Hanish Reddy ,Chandrashekhar.A, "**A method for work space optimization of a Hybrid robot using Genetic Algorithm**", *International Journal of Management, Technology And Engineering*, 2018, 2249-7455, Others.
23. M.V.Rama Rao Chandrashekhar.A, "**Design and Evaluation of 3 Link Parallel Manipulator**", *International Journal of Management, Technology And Engineering, Volume 8, Issue XI, November 2018, PP: 811-816.*, 2018, 2249-7455, Others.
24. Grandhi Suresh Kumar AVSSKS Gupta M. Viswanadham Gouri Shankar Brahma, "**Experimental Investigation of Co-Gasification of Coal and Biomass with Co2 Capture using Cao Sorbent**", *International Journal of Mechanical and Production Engineering Research & Development Vol 8, Issue 5, Sep 2018*, 2018, 2249-6890, Others (Goggle Scholar/Ebscohost).
25. Avinash Malladi, Sirisha Potluri, "**A Study on Technologies in Cloud-Based Design and Manufacturing**", *International Journal of Mechanical and Production Engineering Research and development (IJMPERD), Volume 8, Issue 6, Year 2018, Pages 187 – 192*, 2018, 0974-6536, Others (Goggle Scholar/Ebscohost).
26. Shaik Himam Saheb, G.Satish Babu, "**Sensitivity Analysis of Serial and Parallel Manipulator – A Review**", *International Journal of Mechanical and Production Engineering Research and Development.*, 2018, ISSN(Print): 2249-6890; ISSN(Online): 2249-8001, Others (Goggle Scholar/Ebscohost).

27. G.S.Mohan Reddy, S.Srinivas Rau, "**A Remark On Hardy-Ramanujan's Approximation Of Divisor Functions**", *International Journal of Pure and Applied Mathematics*, 2018, ISSN:1311-8080, Others (Goggle Scholar/Ebscohost).
28. Manisha Gunturi, Dr. M. Srinivasa Reddy, Nagamani Shankar K, "**Architecture, Applications and Challenges of Internet of Things**", *International Journal of Pure and Applied Mathematics*, 2018, ISSN:1314-3395, Others (Goggle Scholar/Ebscohost).
29. K.Kishore Kumar and P.Trinath Rao, "**A Profile Based Face Recognition across the Ages for the Forensic Applications**", *International Journal of Pure and Applied Mathematics (IJPAM)*, Volume 119, Issue. 12, Page Nos. 12497-12503, May 2018, 2018, ISSN 1311-8080, UGC Care/Scopus.
30. G. Sudhaamsh Mohan Reddy, S. Srinivas Rau, "**Some arithmetic functions and their means**", *International Journal of Pure and Applied Mathematics Volume 119 No. 2*, 2018, 369-374, 2018, ISSN:1311-8080, UGC Care/Scopus.
31. G Sudhaamsh mohan Reddy, "**A common fixed point theorem on Complete G-metric spaces**", *International Journal of Pure and Applied Mathematics*,, 2018, ISSN:1314-3395, UGC Care/Scopus.
32. T. Shreecharan & M. Naveen Kumar, "**Statistical Aspects of Coherent States of the Higgs Algebra**", *International Journal of Theoretical Physics*, 2018, 0020-7748, Web of Science/Scopus.
33. M.L. Pavan Kishore Srijith S. Donthib U. Sai Krishnac, "**Numerical Investigation of a Marine Propeller Blade for Material Effect and Stress Behaviour characteristics**", *International Journal of Vehicle Structures & Systems*, 10(1), 18-23., 2018, 78-1-5090-4983-7(ISBN), Others (Goggle Scholar/Ebscohost).
34. Dr.M.L.Pavan Kishore,D.V.Raghunatha Reddy, Prof.M.Sreenivasa Reddy, "**Material Effect on Stress Behavioral Characteristics of Composite Rectangular Plate**", *IOP Conf. Series: Materials Science and Engineering 455 (2018) 012009*, 2018, 1757-899X, Others (Goggle Scholar/Ebscohost).
35. Himam Saheb Shaik G.Satish Babu N.V.Subba Raju, "**Relative Kinematic Analysis of Serial and Parallel Manipulators**", *IOP Conference Series Materials Science and Engineering*, 2018, Online ISSN: 1757-899X, Print ISSN: 1757-8981, Others (Goggle Scholar/Ebscohost).
36. D.V. Nair, "**Robust Power System Stabilizer Design Under Wide Area Control Using Linear Matrix Inequality Technique**", *IUP Journal of Electrical & Electronics Engineering*, 2018, ISSN:0974-1704, Others.
37. Sirisha Potluri, Avinash Malladi, "**Health Record Data Analysis Using Wireless Wearable Technology Device**", *Journal of Adv Research in Dynamical & Control Systems, Vol. 10, 09-Special Issue, 2018*, 2018, ISSN:1943023X, Others.
38. Harika Devi Kotha, Manisha Gunturi, Sirisha Potluri, "**An Iot Based Solution For Health Monitoring Using A Body-Worn Sensor Enabled Device**", *Journal of Advanced Research in Dynamical and Control Systems*, 2018, ISSN: 1943-023X., UGC Care/Scopus.
39. Syed Shakeel Hashmi, "**Performance Analysis of Energy Aware Routing Protocols for Infrastructure less Networks**", *Journal of Advanced Research in Dynamical and Control Systems*,, 2018, ISSN: 1943-023X., UGC Care/Scopus.

40. A Chandrashekhar, Chandrashekhar Kaushik Palla, P Abhilash, **“Thermal Analysis of a small power permanent magnet DC motor”**, *Journal of Advanced Research in Dynamical and Control systems*, PP 2101-2106 (2018), 2018, 1943-023X, UGC Care/Scopus.
41. S. Vairachilai, Shubhangi Urkude,, **“A Survey on Recommendation System: Collaborative Filtering”**, *Journal of advanced research in dynamical and control systems*, Vol. 6, Pages: 1850-1857, 2018, ISSN: 1943-023X., UGC Care/Scopus.
42. Kartheeban Kamatchi, Hemalath Jeyaprakash, S.Vairachilai, **“A New Secure Group Key Transfer Protocol in Big Data”**, *Journal of advanced research in dynamical and control systems*, Vol. 6, Pages: 1888-1893, 2018, ISSN:1943-023X, Others (Goggle Scholar/Ebscohost).
43. Nabanita Pal, Sangam Banerjeea and Asim Bhaumik, **“A facile route for the syntheses of Ni(OH)₂ and NiO nanostructures as potential candidates for non-enzymatic glucose sensor”**, *Journal of Colloid and Interface Science*,, 2018, ISSN: 0021-9797, UGC Care/Web of Science/Scopus.
44. S. Vairachilai, **“QoS Improvement in Multi-Tier Cloud Environments”**, *Journal of Computational and Theoretical Nano science Vol. 15, 1–6, 2018*, 2018, ISSN:2549-2554, Others.
45. S. Vairachilai, **“A Comparative Analysis of Community Detection Algorithms on Complex Network Based on Modularity”**, *Journal of Computational and Theoretical Nanoscience, Volume 15, pp.1-7, 2018*, 2018, ISSN: 1546-1955 (Print): EISSN: 1546-1963 (Online), Others (Goggle Scholar/Ebscohost).
46. H.Sudheer, SF Kodad, B.Sarvesh, **“Implementation of Robust Direct Torque Control of Induction Motor using FPGA Spartan-6 Board”**, *Journal of Electrical Systems. Vol.14. Issue 2, PP: 34-46 Published on June 2018*, 2018, 1112-5209, UGC Care/Web of Science/Scopus.
47. Trilochan Swain & Gouri Sankhar Brahma, **“Synthesis, Characterization, and Thermal Behavior of Ni₃(PO₄)₂·8H₂O·Na₃PO₄·3.5H₂O·0.75Na₂SO₄”**, *Journal of Electronic Materials*, 2018, 0361-5235, UGC Care.
48. G. Sucharitha, Dr.Ranjan K Senapati, **“Optimized Image Retrieval using HSV Color Space, Local Edge Binary Patterns and Zernike Moments”**, *Journal of Engineering and Applied Sciences. Vol.13(16), . PP.6777-6786, Oct,2018*, 2018, ISSN:1816-949X, UGC Care/Scopus.
49. G. Nagaraju, S. Shilpa and Anjanna Matta, **“MHD Flow of Micropolar Fluid In The Annular Region Of Rotating Horizontal Cylinders With Cross Diffusion, Thermoporesis And Chemical Reaction Effects”**, *Lecture Notes in Mechanical Engineering*, 2018, ISSN:2195-4364, UGC Care/Scopus.
50. K.Kishore Kumar and P.Trinath Rao, **“Periocular Region Based Age-Invariant Face Recognition Using Local Binary Pattern, Microelectronics, Electromagnetics and telecommunications”**, *Lecture Notes in Electrical Engineering (LNEE) Series, Vol 521, pp 713-720, Springer.Nov 2018*, 2018, ISSN:, UGC Care/Scopus.
51. H Sudheer SF Kodad B sarvesh, **“Sensorless Direct Torque Control of induction Motor using Neural Network-Based Duty Ratio Controller, Advances in Systems, Control and Automation.”**, *Lecture notes in Electrical Engineering, Vol.442, December 2017, PP:515-523*, 2018, 978-981-10-4761-9, UGC Care/Scopus.
52. AnjannaMatta, **“Thermal Convection in an Inclined Porous Layer with Effect of Heat Source”**, *Lecture Notes in Mechanical Engineering*, 2018, ISSN:2195-4356, UGC Care/Scopus.

53. Kishore Kumar K., Movva Pavani, **“Periocular Region-Based Biometric Identification Using Local Binary Pattern and Its Variants.”**, *Lecture Notes in Networks and Systems (LNNS) Series, vol 40. Pages 581-590, Springer, Singapore (2018)*, 2018, ISSN: 2367-3370., Others (Goggle Scholar/Ebscohost).
54. D.V.Raghunatha Reddy, P.Bhramara K.Govindarajulu, **“Experimental Evaluation of the Effect of Refrigerant Charge and Capillary Tube Length on the Performance of Household Refrigerator with Different Configurations of R290 and R600a”**, *Materials today proceedings*, 2018, ISSN 2214-7853., Others (Research Gate/Ebscohost).
55. P. Abhilash A. Chandrashekhar, **“Analysis of Performance Indices of Planar Parallel Manipulators”**, *Materials Today: Proceedings*, 2018, 0974-6846, 0974-5645, Others (Research Gate/Ebscohost).
56. Anshuman Kumar, Kumar Abhishek, K.Vivekananda, KP. Maity, **“Effect of wire electrode materials on die-corner accuracy for Wire Electrical Discharge Machining (WEDM) of Inconel 718.”**, *Materials Today: Proceedings*, 2018, ISSN 2214-7853., Others (Research Gate/Ebscohost).
57. Soni Kumari, Anshuman Kumar, Rajiv Kumar Yadav, K. Vivekanandada, **“Optimization of Machining Parameters using Grey Relation Analysis integrated with Harmony Search for Turning of AISI D2 Steel.”**, *Materials Today: Proceedings*, 2018, ISSN 2214-7853., Others (Research Gate/Ebscohost).
58. P.S.M. Chanakya Chervith , P. Abhilash , A. Chandrasekhar, **““Optimizing the tool life of a hybrid material using genetic algorithm””**, *Materials Today: Proceedings*, 2018, ISSN 2214-7853., Others (Research Gate/Ebscohost).
59. A. Chandrashekhar, G. Satish Babu, **“Performance Analysis of Gough Stewart Platform with 6 Limbs”**, *Mechanics and Mechanical Engineering, Vol. 22, No. 1 (2018) 133–141*, 2018, 1428-1511, UGC Care/Scopus.
60. P.Rohini, **“Local color oppugnant quantized extrema patterns for image retrieval”**, *Multidimensional Systems and Signal Processing Journal*, 2018, ISSN:1573-0824, Web of Science.
61. D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu, **“Performance analysis of Domestic Refrigerator using Hydrocarbon Refrigerant Mixtures with ANN and Fuzzy Logic System”**, *Numerical Heat Transfer and Fluid Flow, Springer*, 2018, 978-981-13-1903-7, Web of Science.
62. Jake Golde, Joanna Ruhl, Sumita Datta, Boris A. Malomed, Maxim Olshanni, Vanja Dunjko, **“Metastability versus collapse following a quench in attractive Bose-Einstein condensates”**, *Phys. Rev. A 97, 053604 (2018)*, 2018, ISSN 2469-9934 (online), 2469-9926 (print), UGC Care/Web of Science/Scopus.
63. K.Kishore kumar, P.Trinatha rao, **“periocular region based biometric identification using the local descriptors”**, *Intelligent Computing and Information and Communication*, 2018, ISBN: 978-981-10-7245-1, Others.
64. Dr. V.Srilalitha, **“Microwave Assisted Synthesis and Antimicrobial Activity of (E)-1-{2/3/4-[(1-Aryl-1H-1,2,3-triazol-4-yl)methoxy]phenyl}-3-(2-morpholinoquinolin-3-yl)prop-2-en-1-ones1”**, *Russian Journal of General Chemistry*, 2018, 10703632, Web of Science/Scopus.
65. A. Harish , Chandrashekhar.A , G. Satish Babu, **“Trajectory planning of a Robot Manipulator using Genetic Algorithm”**, *Universal Review*, 2018, 2277-2723, UGC Care/Web of Science.

66. Vijay Kumar Pujari, Srilalitha Vinnakota, Ramana Kumar Kakarla, Sridhar Maraju, **“Antimicrobial Activity and Microwave Assisted Synthesis of 4-Chlorophenyl Urea Derivatives by Using Dabal-Me-3”**, *Heterocyclic Letters*, 2018, 2231-3087, Others.
67. Harika Devi Kotha ,Manisha Gunturi, Sirisha Potluri, **“An Iot Based Solution For Health Monitoring Using A Body-Worn Sensor Enabled Device”**, *Journal of Advanced Research in Dynamical and Control Systems*, 2018, ISSN:1943-023X, UGC Care/Scopus.
68. Manisha Gunturi, Harika Devi Kotha, M.Srinivasa Reddy, **“An Overview of Internet of Things”**, *Journal of Advanced Research in Dynamical and Control Systems*, 2018, ISSN:1943-023X, UGC Care/Scopus.
69. D. V. Nan; M. S. R. Murty, **“Simplified robust damping control design of SVC in power system using LMI approach: Polytopic representation of operating conditions”**, *IEEE Xplore*, 2018, 2473-2001, Others.
70. H Sudheer; S K Fodad; B Sarvesh, **“Implementaion of SVM-DTC of induction motor using FPGA”**, *IEEE Xplore*, 2018, 2473-2001, Others.
71. Grandhi Suresh Kumar, **“Design of Lab-scale Downdraft Gasifier for Biomass Gasification: A Comprehensive Study”**, *Materials science and engineering (IOP)*, 2018, 1757-8981, Others (Research Gate/Ebscohost).
72. Grandhi Suresh Kumar, **“Prediction of optimum parameters and product gas composition in gasification using ANNs”**, *AIP Conference Proceedings*, 2018, 1551-7616, Scopus.
73. Anshuman Kumar, K. Abhishek, **“Influence of process parameters on MRR, kerf width and surface roughness during WEDM on Inconel 718: performance analysis of electrode tool material”**, *International Journal of Industrial and Systems Engineering ISSN (print): 1748-5037ISSN (online): 1748-5045*, 2018, 1748-5045, Others.
74. Pravat Ranjan Pati, Alok Satapathy, **“A Study on Tribological Behavior of Linz-Donawitz Slag Filled Polypropylene Composites Using Experimental Design and Neural Networks”**, *ASME 2017 Gas Turbine India*, 2018, 2214-7853, Web of Science/Scopus.
75. Jyotiranjana Nayak, Sasmita Mishra, **“Symmetric Duality and Complementarity in Non-Convex Programming”**, *Operations Research in Development Sector, Springer*, 2018, ISBN: 978-981-13-1954-9, Others.