

Research Publications in 2018

- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ Movva Pavani and Kishore K Kumar, “Large Scale Urban Air Quality Monitoring Using Wireless Sensor Networks”, ARPN Journal of Engineering and Applied Sciences (JEAS), 2018, ISSN:1819-6608, Others (Goggle Scholar/Ebscohost).
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.

Research Publication

- ✚ 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.
- ✚ 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.
- ✚ 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).
- ✚ 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).
- ✚ 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.
- ✚ 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).
- ✚ 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).
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.

Research Publication

- ✚ 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.
- ✚ 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.
- ✚ 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).
- ✚ 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).
- ✚ 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).
- ✚ 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).
- ✚ 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).
- ✚ K.Kishore Kumarand 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.

Research Publication

- ✚ 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).
- ✚ 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).
- ✚ 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).
- ✚ 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.
- ✚ 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.
- ✚ Harika Devi Kotha, Manisha Gunturi, Sirisha Potluri, “An Iot Based Solution For HealthMonitoring Using A Body-Worn SensorEnabled Device”, Journal of Advanced Research in Dynamical and Control Systems, 2018, ISSN: 1943-023X., UGC Care/Scopus.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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).
- ✚ 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.

Research Publication

- ✚ 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.
- ✚ 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).
- ✚ 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.
- ✚ Trilochan Swain & Gouri Sankhar Brahma, "Synthesis, Characterization, and Thermal Behavior of $Ni_3(PO_4)_2 \cdot 8H_2O \cdot Na_3PO_4 \cdot 3.5H_2O \cdot 0.75Na_2SO_4$ ", Journal of Electronic Materials, 2018, 0361-5235, UGC Care.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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).
- ✚ 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).

Research Publication

- ✚ P. Abhilash A. Chandrashekhar, “Analysis of Performance Indices of Planar Parallel Manipulators”, Materials Today: Proceedings, 2018, 0974-6846, 0974-5645, Others (Research Gate/Ebscohost).
- ✚ 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).
- ✚ 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).
- ✚ 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).
- ✚ 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.
- ✚ P.Rohini, “Local color oppugnant quantized extrema patterns for image retrieval”, Multidimensional Systems and Signal Processing Journal, 2018, ISSN:1573-0824, Web of Science.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ 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.

Research Publication

- ✚ Vijay Kumar Pujari, Srilalitha Vinnakota, Ramana Kumar Kakarla, Sridhar Maroju, “Antimicrobial Activity and Microwave Assisted Synthesis of 4-Chlorophenyl Urea Derivatives by Using Dabal-Me-3”, Heterocyclic Letters, 2018, 2231-3087, Others.
- ✚ 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.
- ✚ 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.
- ✚ 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.
- ✚ H Sudheer; S K Fodad; B Sarvesh, “Implementaion of SVM-DTC of induction motor using FPGA”, IEEE Xplore, 2018, 2473-2001, Others.
- ✚ 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).
- ✚ Grandhi Suresh Kumar, “Prediction of optimum parameters and product gas composition in gasification using ANNs”, AIP Conference Proceedings, 2018, 1551-7616, Scopus.
- ✚ 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.
- ✚ 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.
- ✚ 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.