

## Research Publications in 2020

- ✚ S. Vairachilai, M. K. Kavitha Devi and M. Raja, “Analysis of Statistical and Structural Properties of Complex networks with Random Networks”, Applied Mathematics & Information Sciences An International Journal, 2020, 2325-0399, Scopus.
- ✚ Shaik Himam Saheb and Javvaji Vijay Kumar, “A comprehensive review on additive manufacturing applications”, AIP Conference Proceedings, 2020, ISSN:1070-664X (print) 1089-7674 (web), UGC Care/Web of Science/Scopus.
- ✚ Tingarikar Govardhan and Achinthya Choudhury, “Amplitudes of components in vibration spectra of rolling bearings with localized defects under harmonic loads”, Journal of Vibration and Control, 2020, 1741-2986, UGC Care/Web of Science/Scopus.
- ✚ Shaik Himam Saheb, Vinay Kumar Durgam, , A Chandrashekhar, “A review on metal powders in additive Manufacturing”, AIP Conf. Proc., 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ Sudarshan E., K. Seena Naik and P. Pavan Kumar, “Parallel approach for backward coding of wavelet trees with CUDA”, ARPJ Journal of Engineering and Applied Sciences, 2020, 1819-6608, UGC Care/Scopus.
- ✚ G. Sudhaamsh Mohan Reddy, “SOME FIXED POINT THEOREMS FOR MODIFIED JS-G $\square$ CONTRACTIONS AND AN APPLICATION TO INTEGRAL EQUATIONS”, Journal of applied mathematics & informatics, 2020, 2734-1194, Others.
- ✚ Chinmaya Ranjan Pattnaik, Sachi Nandan Mohanty, Sarita Mohanty, Jyotir Moy Chatterjee, Biswajit Jana, Vicente Garcia Diaz, “A Fuzzy Multi-Criteria Decision-Making method for Purchasing Life Insurance in India,”, Bulletin of EEI Stats, 2020, 2302-9285, Others.
- ✚ Murali Krishna Rao Marapureddy and DPRV Subba Rao, “WEAK-INTERIOR IDEALS OF  $\Gamma$  $\square$ SEMIRINGS”, BULLETIN OF THE INTERNATIONAL MATHEMATICAL VIRTUAL INSTITUTE, 2020, 2303-4955, Others.
- ✚ Avinash Malladi, “Structural exploration for materials’ validity of suspension manifold of two-wheeler”, AIP Conf. Proc, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ Mamta Garanayak, Sipra Sahoo,Sachi Nandan Mohanty,Alok Kumar Jagadev,, “An Automated Recommender System for Educational Institute in India”, EAI Endorsed Transactions on Scalable Information System (2020),24(2),, 2020, ISSN: 2032-9407, Web of Science.
- ✚ Adil Khadidos, Alaa O. Khadidos, Srihari Kannan, Yuvaraj Natarajan, Sachi Nandan Mohanty and Georgios Tsaramirsis, “Analysis of COVID-19 Infections on a CT Image Using DeepSense Model”,

# Research Publication

Frontiers in Public Health, November 2020 | Volume 8 | Article 599550, 2020, ISSN 2296-2565 (Online), Web of Science/Scopus.

- ✚ Bassam A. Y. Alqaralleh, Sachi Nandan Mohanty, Deepak Gupta, Ashish Khanna, , K. Shankar, and Thavavel Vaiyapuri, “Reliable Multi-Object Tracking Model using Deep Learning and Energy Efficient Wireless Multimedia Sensor Networks”, IEEE ACCESS, 2020, 2169-3536, UGC Care/Web of Science/Scopus.
- ✚ Sirisha Potluri; Monika Mangla; Suneeta Satpathy; Sachi Nandan Mohanty, “Detection and Prevention Mechanisms for DDoS Attack in Cloud Computing Environment”, IEEE ACCESS, 2020, 2169-3536, UGC Care/Web of Science/Scopus.
- ✚ Xiaobo Zhang, Sachi Nandan Mohanty, Ajay Kumar Parida, Subhendu Kumar Pani, “Annual and on-moonsoon rainfall prediction modeling using SVR-MLP: An empirical study from Odisha”, IEEE Access, (2020),, 2020, ISSN: 2169-3536, UGC Care/Web of Science/Scopus.
- ✚ Munmin Swain, Sksaran, Jyotrimay Chatterjee, New Zaman, Azwean Abdhullah, Sachi Nandan Mohanty, “Hybridized Machine Learning based Fractal Analysis Techniques for Breast Cancer Classification,”, International Journal of Advanced Computer Science and Application, 2020, 2158-107X (print), 2156-5570 (online), Web of Science/Scopus.
- ✚ Dr. E. Laxmilydia, Dr. Pavan Kumar, Vydarsi Sitarama Prasad, Chinmaya, “Data Analysis and Prediction of COVID-19 Using Machine Learning Models”, International Journal of Advanced Science and Technology, 2020, 2005-4238, Others (Research Gate/Ebscohost).
- ✚ Sumitra Kisan, Sanjay Nayak, Ajay Chawda, Sarojananda Mishra, Sachi Nandan Mohanty, “Face Shape Classification based on Modified Relative Improved Differential Box Count Method”, International Journal of Advanced Science and Technology, 2020, ISSN 2005-4238, Others (Research Gate/Ebscohost).
- ✚ Sumitra Kisan, Baishnabi Sahu, Abhijit Jena, Sachi Nandan Mohanty, “Detection of Violence using Hybrid Machine Learning Techniques”, International Journal of Advanced Science and Technology, 2020, ISSN 2005-4238, Others (Research Gate/Ebscohost).
- ✚ Vmnssvkr Gupta, R. Shiva Shankar , Harika Devi Kotha , J. Raghaveni, “Voice Identification in Python Using Hidden Markov Model”, International Journal of Advanced Science and Technology, 2020, ISSN 2005-4238, Others (Research Gate/Ebscohost).
- ✚ Vairachilai S, Vamshidharreddy, ,, “Student’s Academic Performance Prediction Using Machine Learning Approach”, International Journal of Advanced Science and Technology, 2020, ISSN 2005-4238, Others (Research Gate/Ebscohost).
- ✚ G SUDHAAMSH MOHAN REDDY, “Fixed point theorems of Rus-Reich- Ćirić type contraction and Hardy-Rogers type contraction on G-metric spaces”, International Journal of Advanced Science and

# Research Publication

Technology, Vol. 29, No.02, (2020), pp. 2782-2787, 2020, ISSN: 2005-4238, Others (Research Gate/Ebscohost).

- + Kartheeban K, Vairachilai S, Shubhangi V Urkude, “Energy Efficient Secure Multicast Group Communications for IoT Applications Using WSN”, International Journal of Advanced Science and Technology,, 2020, ISSN 2005-4238, Others (Research Gate/Ebscohost).
- + Avinash Malladi, “Exploration of Suitability of Material for Helical Coil Spring of Automobile Light Vehicle Suspension– A Numerical Validation”, AIP Conf. Proc, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- + G SUDHAAMSH MOHAN REDDY , S SRINIVAS RAU,B UMA, “A Simple Proof that (Mathematical Equation)”, International Journal of Grid and Distributed Computing, 2020, 2005-4262, Web of Science/Scopus.
- + G Sudhaamsh Mohan Reddy,, “Generalized Ciri ´c Type Contraction in G - metric spaces”,International Journal of Grid and Distributed Computing, 2020, 2005-4262, Web of Science/Scopus.
- + Sandeep Kumar Panda ,Vivek Bhalerao, Sathya A.R, “A Machine Learning Model to Identify Duplicate Questions in Social Media Forums”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), 2020, ISSN: 2278-3075, Others.
- + T.V.S.Ram Kashyap and K.Kishore Kumar, “Development of Mobile Application for Faculty Time out Information”, International Journal of Innovative Technology and Exploring Engineering, Volume 9 Issue 4, PP 168-174, 2020, ISSN: 2278-3075, Others.
- + K.Abhiroop Tejomay and K.Kishore Kumar, “Sketch to Photo Conversion using Cycle-Consistent Adversarial Networks”, International Journal of Innovative Technology and Exploring Engineering, Volume 9 Issue 4, PP 2467-2471, 2020, ISSN: 2278-3075, Others.
- + E Sudarshan, Seena Naik Korra, P. Pavan Kumar, S Venkatesulu, “A Parallel Averaged Neural Network Approach for Detecting Smartphone Phishes”,Journal of Mechanics of Continua and Mathematical Sciences, 2020, ISSN Print: 0973-8975, ISSN Online: 2454-7190, Others.
- + Veerababu Gollapalli, Srinivasa Rao Tadivaka, Chenna Rao Borra, Suguna Soumya Varanasi, Phani S. Karamched, M.B.Venkata Rao,, “Investigation on Stabilization of Ladle Furnace Slag with Different Additives”, Journal of Sustainable Metallurgy., 2020, ISSN: 2199-3823, 2199-3831, UGC Care/Web of Science/Scopus.
- + Shaik Himam Saheb, G Satish Babu, “Modeling and Evaluation of Performance Characteristics of Redundant Parallel Planar Manipulator”, Lecture Notes on Data Engineering and Communications Technologies book series, 2020, ISSN: 2367-4512, Others (Research Gate/Ebscohost).

# Research Publication

- ✚ Dr Vivekananda K, “Study of Surface characterization and parametric optimization during wire EDM for Inconel625”, Material Science Forum, Vol 978, Feb 2020, pg 97-105, 2020, ISSN: 1662-9752, Others.
- ✚ D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu, “A Comparative Study of Multiple Regression and Artificial Neural Network models for a domestic refrigeration system with a hydrocarbon refrigerant mixture”, Materials today proceedings, 2020, 2214-7853, Others (Research Gate/Ebscohost).
- ✚ J. Somsekar, P. Pavan Kumar, Avinash Sharma, G. Ramesh, “Machine Learning and Image Analysis Applications in the Fight against COVID-19 Pandemic: Datasets, Research Directions, Challenges and Opportunities”, Materials Today proceedings, 2020, ISSN 2214-7853., Others (Research Gate/Ebscohost).
- ✚ A.Chandra Shekhar, S.Shahab, S.HimamSaheb, “Analysis of Geneva mechanism using Dwell Symmetrical Coupler Curve Mechanism”, Materials Today: Proceedings, 2020, ISSN 2214-7853., Others (Research Gate/Ebscohost).
- ✚ Pravat Ranjan Pati, Mantra Prasad Satpathy, Ashutosh Pattanaik, Sambit Kumar Mohapatra and Swayam Bikash Mishra, “Ultrasonic spot welding of Al/Mg alloys: A state-of-the-art review”, Materials Today: Proceedings, 2020, ISSN 2214-7853., Others (Research Gate/Ebscohost).
- ✚ Pravat Ranjan Pati, Soumyajit Das, Mantra Prasad Satpathy, Bharat Chandra Routara, Susanta Kumar Sahoo and Subrat Kumar Bhuyan, “Ultrasonic spot welding of Al-Cu sheets: A comprehensive study”, Materials Today: Proceedings, 2020, ISSN 2214-7853., Others (Research Gate/Ebscohost).
- ✚ Pravat Ranjan Pati, Mantra Prasad Satpathy, Tapapriya Mahanta, Soumyajit Das and Diptikanta Das, “Experimental investigations on interfacial characterization and mechanical performance of ultrasonic spot welded Al/brass joints”, Materials Today: Proceedings, 2020, ISSN 2214-7853., Others (Research Gate/Ebscohost).
- ✚ Pravat Ranjan Pati, Mantra Prasad Satpathy, Basant Kumar Nanda, Bharat Chandra Routara and Ashutosh Pattanaik,, “Dissimilar joining of Al/SS sheets with interlayers by ultrasonic spot Welding: Microstructure and mechanical properties”, Materials Today: Proceedings, 2020, ISSN 2214-7853., Others (Research Gate/Ebscohost).
- ✚ Nagaraju Guthikonda, Elle Manikanta, Leela Chelikani, S. Sai Shiva, S. Sree Harsha, V. R. Ikkurthi and P. Prem Kiran, “Interaction of two counter propagating laser induced plasmas and shock waves in air,” Physics of Plasmas”, Physics of Plasmas, 2020, 1070-664X, UGC Care/Web of Science/Scopus.
- ✚ Digvijay Vishwanathan Nair, Dr. MSR Murty, “Reconfigurable Control as Actuator Fault-tolerant Control Design for Power Oscillation Damping”, Protection and Control of Modern Power Systems, 2020, ISSN: 2367-0983, 2367-2617, UGC Care/Web of Science/Scopus.

# Research Publication

- ✚ Mr Avinash Malladi, “Research scopes in laser based AM for metals – An ample assement”, Test : Engineering and Management, VOI 82, Jan-Feb 2020, pg:7590-7597, 2020, 0193-4120, Others (Research Gate/Ebscohost).
- ✚ NVK.Ramesh,M.Poojitha,B.Deevena Raju, “An Efficient Way to Monitoring Attendance using Face Recognition Technology”, TEST Engineering & Management, 2020, 0193-4120, Others (Research Gate/Ebscohost).
- ✚ Anjanna Matta, G. Nagaraju., “The detailed study of thermal instability analysis in an inclined porous medium”, AIP Conference Proceedings, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ G Sudhaamsh Mohan Reddy, S Srinivas Rau., “An analogue of Landau-Walfisz theorem”, AIP Conference Proceedings, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ G Sudhaamsh Mohan Reddy, S Srinivas Rau, B Uma., “A Note on Dirichlet Series Connected to  $L_d(1) / L_d(2)-I$ ”, AIP Conference Proceedings, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ G Sudhaamsh Mohan Reddy, S Srinivas Rau., “Bounds For Special Values Of For A Quadratic Field  $Q(\sqrt{d})$ ”, AIP Conference Proceedings, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ Rajesh Gudepu and DPRV Subba Rao, “Note On Meet-Distributive Lattice Matrices”, Bulletin Of The International Mathematical Virtual Institute, 2020, 2303-4955, Others.
- ✚ B. Balakiruthigaa, P. Deepalakshmia, Sachi Nandan Mohanty, b, Deepak Gupta, P. Pavan Kumar, K. Shankar ., “Segment routing based energy aware routing for software defined data center”, Cognitive Systems Research, 2020, ISSN: 1389-0417, Others (Research Gate/Ebscohost).
- ✚ Avinash Malladi, “Exploration of appropriateness of material for impeller of turbocharger – A numerical validation”, AIP Conf. Proc, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ Robin Raj Balraj, Madhavi Barla and Govardhan Tingarikar, “Review on Intelligent Fault Detection in Rolling Element Bearings”, E3S Web of Conferences, 2020, eISSN: 2267-1242, Web of Science/Scopus.
- ✚ A. Chandrashekhar, Urvin Desai., “Path planning of a series robots using a algorithm.”, EAI/Springer Innovations in Communication and Computing, 2020, ISBN: 978-3-030-49795-8, Others (Research Gate/Ebscohost).
- ✚ Nair, D.V., Murty, M.S.R., “Fault tolerant-based virtual actuator design for wide-area damping control in power system”, Electrical Engineering, 2020, ISSN: 2192-8096, UGC Care/Web of Science/Scopus.



# Research Publication

- + R. Balamurali, P. Mahesh., “Detecting Multiple Logins in Learning Management System for Online Exams: Moodle”, Electronics For You, 2020, ISSN: 0013-516X, Others.
- + Avinash Malladi, “Lamina designs in ABAQUS—a validated approach”, AIP Conf. Proc, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- + B. Seetharamulu, B. Naresh Kumar Reddy, K. Bramha Naidu., “Supervised Learning for Classification of Emotions Based on Twitter Data”, International Journal of Control and Automation, 2020, ISSN: 2005-4092, UGC Care/Scopus.
- + Anjanna Matta and M. Srinivasa Reddy, “Numerical study on indoor temperature in multi-storey buildings”, International Journal of Control and Automation, 2020, ISSN: 2005-4092, UGC Care/Scopus.
- + Jatindra Kumar Dash, Gandham Girish, P. Pavan Kumar, E. Sudarshan, Achyuth Sarkar., “Classification of Lung Tissue Patterns on HRCT Images: Nature of Region of Interest and Classifier Performance”, International Journal of Control and Automation, 2020, ISSN: 2005-4092, UGC Care/Scopus.
- + Sachi Nandan Mohanty , A. Radhika, Vandna Dahiya, Chinmaya Ranjan Pattanaik, Sujatha krishamoorthy., “An Efficient Amalgamation of Computational Models to Ensure a Secure IoT Environment”, International Journal of Control and Automation, 2020, ISSN: 2005-4092, UGC Care/Scopus.
- + K. Sreenivasa Rao, G. Sreeram, B. Deevena Raju., “Detecting Fake Account On Social Media Using Machinelearning Algorithms”, International Journal of Control and Automation,, 2020, ISSN: 2005-4092, UGC Care/Scopus.
- + Ranganadh Narayanam, “Novel Quad Parallelized Architecture For Digital Image Processing Convolution On FPGAS”, International Journal of Engineering Science and Research Technology, 2020, 2277-9655, Others.
- + Ranganadh Narayanam, “Development Of Novel Algorithm For Haar Transform Using Paired Transform: Implementation On TMS DSP Processors”, International Journal of Engineering Science and Research Technology, 2020, 2277-9655, Others.
- + Harika Devi Kotha, V Mssr Gupta, “BlockChain: Properties, Application, and Bitcoin Case study.”, International Journal of Industrial Engineering & Production Research, 2020, Print ISSN: 2008-4889, Online ISSN: 2345-363X, Others (Research Gate/Ebscohost).
- + Vairachilai S, Shubhangi V Urkude, Gnanajeyaraman R, “Machine Learning Approach for Predicting Body Fat”, International Journal of Psychosocial Rehabilitation, 2020, 1475-7192, Others (Research Gate/Ebscohost).

# Research Publication

- ✚ Shubhangi Urkude, “Proximity Measures for Link Prediction In Dynamic Network”, International Journal of Psychosocial Rehabilitation, 2020, 1475-7192, Others (Research Gate/Ebscohost).
- ✚ N.V.K Ramesh, V. Bhagiradh, K. Indravathi, M. Leena Reddy, B. Deevena Raju., “An Efficient Accident Rescue System using Lora”, International Journal of Innovative Technology and Exploring Engineering, 2020, ISSN: 2278-3075, Others.
- ✚ G Sudhaamsh Mohan Reddy, S Srinivas Rau., “ $L_d(1)$  is  $O(\log\log\log d)$  for almost all square free  $d$ ”, JANGJEON Mathematical Society, 2020, ISSN 2508-7908 ., UGC Care/Scopus.
- ✚ Rajesh G and DPRV Subba Rao., “A Public Key Cryptosystem Based On Lattice Matrices,”, Journal of Mathematical and Computational Science, 2020, ISSN: 1927-5307, UGC Care/Scopus.
- ✚ E Sudarshan, Seena Naik Korra, P. Pavan Kumar, S Venkatesulu., “A Parallel Averaged Neural Network Approach For Detecting Smartphone Phishes”, Journal of Mechanics of continua and mathematical sciences, 2020, 0973-8975, Others.
- ✚ Sachi Nandan Mohanty, E.Laxmi Lydia, Mohamed Elhoseny, Majid M. Gethami Al Otabi, K.Shankar.,, “Deep learning with LSTM based distributed data mining model for energy efficient wireless sensor networks”, Physical Communication, 2020, ISSN. 1874-4907, UGC Care/Web of Science/Scopus.
- ✚ B. Naresh Kumar Reddy, B. Veena Vani and Bhavya Lahari., “An efficient design and implementation of Vedic multiplier in quantum-dot cellular automata”, Telecommunication Systems (TELS), 2020, ISSN: 1018-4864, 1572-9451, Others (Research Gate/Ebscohost).
- ✚ Avinash Malladi, “Exploration of appropriateness of material for diaphragm spring of an automobile clutch -A numerical validation”, AIP Conf. Proc, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ Sirisha Potluri, Katta Subba Rao., “A Hybrid PSO Based Task Selection and Recommended System for Cloud Data, Test Engineering and Management,”, Test Engineer and Management, 2020, ISSN: 0193-4120, Others (Goggle Scholar/Ebscohost).
- ✚ G Sudhaamsh Mohan Reddy, S Srinivas Rau, B Uma., “Means of Certain Arithmetic Functions”, Test Engineering & Management, 2020, ISSN: 0193-4120, Others (Goggle Scholar/Ebscohost).
- ✚ NVK. Ramesh, M. Poojitha, B. Deevena Raju., “An Efficient Way to Monitoring Attendance using Face Recognition Technology”, TEST Engineering & Management, 2020, ISSN: 0193-4120, Others (Goggle Scholar/Ebscohost).
- ✚ Shakeel Ahmed, N. V. K. Ramesh and B. Naresh Kumar Reddy, “A Highly Secured QoS Aware Routing Algorithm for Software Defined Vehicle Ad Hoc Networks Using Optimal Trust Management Scheme”, Wireless Personal Communications, 2020, ISSN. 0929-6212, 1572-834X, UGC Care/Web of Science/Scopus.

# Research Publication

- ✚ Shweta Sankhwar, Dhirendra Pandey, Raees Ahmad Khan, Sachi Nandan Mohanty, “An anti-phishing enterprise environ model using feed-forward backpropagation and Levenberg-Marquardt method”, Security and Privacy, 2020, 2475-6725, UGC Care.
- ✚ A. Vijay Kumar, Shaik Himam Saheb A. Mamatha, B. Ramesh and G. Pravalika., “Design, Analysis and Fabrication of Human External Ear by Using Fused Film Fabrication”, IOP Conference Series: Materials Science and Engineering, 2020, Online ISSN: 1757-899X, Print ISSN: 1757-8981, UGC Care/Scopus.
- ✚ Himam Saheb, “Design and analysis of connecting rod with different materials for high fatigue life”, AIP Conference Series, 2020, ISSN: 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ M. Yashwanth Kumar Shaik Himam Saheb & M. Venkata Ramana Reddy,, “Transient Thermal Analysis of the Turbine Blade Transient Thermal Analysis of the Turbine Blade”, Global Journal of Researches in Engineering: A Mechanical and Mechanics Engineering, 2020, Online ISSN: 2249-4596 & Print ISSN: 0975-5861, Others.
- ✚ S. Vairachilai, Shubhangi Urkude, Mondaddula Nivedh Vishnu Vardhana Reddy, T Krishnan, R Murugesan., “Machine Learning Approach for Fetal Heartbeat and Uterine Contractions Monitoring”, journal of advanced research in dynamical and control systems, 2020, ISSN: 1943-023X., Others.
- ✚ Nagaraju Gajjela Mahesh Garvandha Anjanna Matta, “Two-Dimensional Flow Through the Uniformly Porous Horizontal Pipe with Thermal Radiation and Cross-Diffusion Effects”, Modelling, Measurement and Control B, 2020, ISSN: 1259-5977 (print), Web of Science/Scopus.
- ✚ Dr. M. Swathi, “The Impact of Learning Styles Based Writing Instruction on the Perceptual Learning styles of Learners: an Investigative Study”, Sambodhi, 2020, ISSN 2249-6661 (Print), UGC Care.
- ✚ Rohini Pinapatruni & C. Shoba Bindu, “Learning image representation from image reconstruction for a content-based medical image retrieval”, Signal, Image and Video Processing, 2020, ISSN: 1863-1711, 1863-1703, UGC Care/Scopus.
- ✚ M.L. Pavan Kishore, T. Anirudh, Vedanth Bhatnagar, “Numerical Study Free Vibration Analysis of Thin Rectangular Plates”, Jour of Adv Research in Dynamical & Control Systems,, 2020, ISSN 1943-023X, Others (Goggle Scholar/Ebscohost).
- ✚ Anirudh Tallam, Pavan Kishore Mamaduri, Tarkeshwar Appala ., “Numerical Computation for Contact s tress a nalysis of Spur Gear”, AIP Conference Proceedings,, 2020, 0094-243X (print); 1551-7616 (web), UGC Care/Scopus.
- ✚ Sandeep Kumar Panda ,Vivek Bhalerao, Sathya A.R., “A Machine Learning Model to Identify Duplicate Questions in Social Media Forums, Volume-9 Issue-4,”, International Journal of Innovative Technology and Exploring Engineering, 2020, ISSN: 2278-3075, Others.



# Research Publication

- ✚ Sripad Joshi, Sandeep Kumar Panda, Sathya A. R ., “Optimal Deep Learning Model to Identify the Development of Pomegranate Fruit in Farms”, International Journal of Innovative Technology and Exploring Engineering, 2020, ISSN: 2278-3075, Others.
- ✚ A. ChandrashekharA. Chandrashekhar, Himam Saheb Shaik, S. Ranjan Mishra, Tushar Srivastava, M. L. Pavan Kishore, “Static Structural Analysis of Hybrid Honeycomb Structures Using FEA”,Lecture Notes in Mechanical Engineering, 2020, 978-981-15-7556-3, UGC Care/Scopus.
- ✚ B. Seetharamulu; B. Naresh Kumar Reddy; K. Bramha Naidu, “Deep Learning for Sentiment Analysis Based on Customer Reviews”, IEEE Explore, 2020, Electronic ISBN:978-1-7281-6851-7, Print on Demand(PoD) ISBN:978-1-7281-6852-4, Others.
- ✚ G.RajashekharA.T.SreekanthB.U.RavikiranC.P.Saraha, “Dielectric properties of Na and Pr doped SrBi4Ti4O15 ceramics”, Materials Today, 2020, 2214-7853, UGC Care/Web of Science/Scopus.
- ✚ Dv Nair, MSR Murthy, “Design of Robust Wide Area Damping Controller in Power System”, IUP Journal of Electrical and Electronics Engineering;, 2020, 0974-1704, Others.
- ✚ P. Chandrasekar & Ashudeb Dutta, “Recent Developments in Near Field Communication: A Study”, Wireless Personal Communications,, 2020, 1572-834X, UGC Care/Web of Science/Scopus.
- ✚ P Rohinia, L Koteswara Raob, P Sree Lakshmic, “CNN BASED OBJECT DETECTION SYSTEM: A REAL TIME APPLICATION”, Contemporary Issues in Computing (CIC), 2020, ISBN: 978-1-948012-16-4, Others (Available at SSRN).
- ✚ L Koteswara Raa, P Rohinib and P Sree Lakshmic, “QUANTIZED NEIGHBORHOOD LOCAL INTENSITY EXTREMA PATTERNS FOR IMAGE RETRIEVAL”, Contemporary Issues in Computing (CIC), 2020, ISBN: 978-1-948012-16-4, Others (Available at SSRN).
- ✚ A Chandrashekhar, Urvin Desai and P Abhilash, “Cost prediction using gradient descent algorithm”, Journal of Physics, 2020, 2706-8862, Others (Goggle Scholar/Ebscohost).
- ✚ Ricky Johnson Ganta Avinash Malladi, “DEVELOPMENTS ON ELECTRIC VEHICLES AND ITS FUTURE”, International Journal of Engineering Applied Sciences and Technology, 2020, ISSN No. 2455-2143, Others (Goggle Scholar/Ebscohost).
- ✚ Ricky Johnson Ganta Avinash Malladi, “Thermal Analysis of Heat Exchanger in the Nano Fluid(CUO-W) in the Shell Tube Heat Exchanger”, International Journal of Engineering Applied Sciences and Technology, 2020, ISSN No. 2455-2143,, Others (Goggle Scholar/Ebscohost).
- ✚ Ashok K. Dewangan, Sanjeev K. Sajjan, Anil Kumar & Ravi Kumar, “Pool Boiling Heat Transfer on a Plain Tube in Saturated R-134a and R-410A”, Heat and Mass Transfer, 2020, 2631-6196, Others (Proquest).

# Research Publication

- + Vasudevan Neelamegam, Bhaskar Govindasamy Bhavani, Mohandass Muthukrishnan, Srinivasa Rao Tadivaka, "Investigation On Corrosion Behavior of Cryogenically Treated Friction Stir Welded AA5083", *Mechanika*, 2020, ISSN 1392-1207, Others (Goggle Scholar).
- + Xiaobo Zhang; Sachi Nandan Mohanty; Ajaya Kumar Parida; Subhendu Kumar Pani; Bin Dong; Xiaochun Cheng, "Annual and Non-Monsoon Rainfall Prediction Modelling Using SVR-MLP: An Empirical Study From Odisha", *IEEE Explore*, 2020, 2473-2001, Web of Science/Scopus.
- + Nonita Sharma, Sourabh Yadav, Monika Mangla, Anee Mohanty, Sachi Nandan Mohanty, "Multivariate Analysis of COVID-19 on Stock, Commodity & Purchase Manager Indices: A Global Perspective", *IEEE Explore*, 2020, NA, Web of Science/Scopus.
- + D. Kishan (C.A.), P. S. R. Nayak and B. Naresh Kumar Reddy, "Implementation of Identical Spiral Square Inductive Coils for Wireless EV Battery Charging Application", *Iranian Journal of Electrical and Electronic Engineering*, 2020, 2383-3890, Web of Science/Scopus.
- + Sumitra Kisan, Baishnabi Sahu, Abhijit Jena, Sachi Nandan Mohanty, "Detection of Violence in Videos using Hybrid Machine Learning Techniques", *International Journal of Advanced Science and Technology*, 2020, 2005-4238, Web of Science/Scopus.
- + Puranam Revanth Kumar; Achyuth Sarkar; Sachi Nandan Mohanty; P Pavan Kumar, "Segmentation of White Blood Cells using Image Segmentation Algorithms", *IEEE Explore*, 2020, 2473-2001, Web of Science/Scopus.
- + Priya Pandharbale; Sachi Nandan Mohanty; Alok Kumar Jagadev, "Study of Recent Web Service Recommendation Methods", *IEEE Explore*, 2020, 2473-2001, Web of Science/Scopus.
- + IshanAryenduaSubasishMohapatraaSubhadarshiniMohantyaSachiNandan Mohantyb, "An evolutionary approach to load balancing using forest optimization algorithm", *Materials Today: Proceedings*, 2020, 2214-7853, Web of Science/Scopus.
- + Correction to: Theory and Implications of Information Processing, "Theory and implications of informations Processing", *IEEE Explore*, 2020, ISBN: 978-3-030-48849-9, Web of Science/Scopus.
- + R. Nagulapalli; K. Hayatleh; S. Barker; B. Naresh Kumar Reddy, "A two-stage opamp frequency Compensation technique by splitting the 2nd stage", *IEEE Explore*, 2020, 2473-2001, Web of Science/Scopus.
- + R. Nagulapalli; K. Hayatleh; S. Barker; B. Naresh Kumar Reddy, "A Single BJT 10.2 ppm/°C Bandgap Reference in 45nm CMOS Technology", *IEEE Explore*, 2020, 2473-2001, Web of Science/Scopus.
- + B. Naresh Kumar Reddy; G. Sai Vishal Reddy; B. Veena Vani, "Design and Implementation of an Efficient LFSR using 2-PASCL and Reversible Logic Gates", *IEEE Explore*, 2020, 2473-2001, Web of Science/Scopus.

## Research Publication

- ✚ Harsha Satya Vardhan, Jatindra Kumar Dash, Sachinandan Mohanty, “Deep Convolutional Neural Networks for Classification of Interstitial Lung Disease”, International Conference on Innovative Computing and Communications, 2020, 978-1-4503-8856-6, Web of Science/Scopus.
- ✚ E. A. Rogozhin, S. N. Somala, O. O. Erteleva, F. F. Aptikaev, and S. Chanda., “Seismic Hazard of Garhwal Region”, Izvestiya, Atmospheric and Oceanic Physics, 2020, ISSN PRINT: 0001-4338. ISSN ONLINE: 1555-628X., UGC Care/Web of Science/Scopus.
- ✚ Venkataramaniah, K. .; Sainath, M. .; Sai, K. .; Rao, D. .; Seetharaman, D, “Design and Development of a Mini-Orange Magnetic Spectrometer with Multichannel Facility for Conversion Electron Spectroscopy”, Journal of Nuclear Physics, Material Sciences, Radiation and Applications, 2020, 2321-8649, Others.