FACULTY PUBLICATIONS
2021-22

Dr. S. Srinivasa Rao

International Journals:

[1]. Sasikanth Shanmugam, Srinivasa Rao Surampudi, "A method for detecting and classifying the tumor regions in brain MRI images using vector index filtering and ANFIS classification process", International Journal of Imaging System Technology,Vol 32, PP687–696, 2022.

[2]. Maram Anantha Guptha, Surampudi Srinivasa Rao, Ravindrakumar Selvaraj, "An Efficient Discrete Wavelet Transform Architecture With Low Power And Multiplier-Less Structure For Biomedical Image Processing Application", Journal Of Harbin Institute Of Technology, ISSN: 0367-6234, Vol. 54, Issue. 2,pp 188-196, 2022.

[3]. Suneetha, Ch, S. Srinivasa Rao, and K. S. Ramesh. "Clusters-based rendezvousing approach for scheduling the flash crowd transmissions over cognitive radio networks." International Journal of Ultra Wideband Communications and Systems, Vol 5, Issue-1, PP 1-11, 2022.

International Conferences:

1. R Chinna Rao, Dr PVY Jayasree , Dr S Srinivasa Rao, "Spread Spectrum Based Speech Steganography Using RDWT", 2nd International Conference on Electronics and Sustainable Communication Systems ICESC, Aug 2021.

2. Swetha Pinjerla, Dr.S.Srinivasa Rao, Dr. P.Chandrasekhar Reddy, "Sampling Rate Convertion Techniques-A Review", IEEE International Conference on Recent Trends in Computer Science and Technology, Feb 2022.

Dr. K. Mallikarjuna Lingam

International Journals:

1. Gadhari Keerthana,M. Sucharitha, K. Mallikarjuna Lingam, "ECG Signal analysis and Prediction of Heart attack with the help of Optimized Neural Network", DogoRangsang Research Journal, Vol.08, No. 02,pp.208-21, 2021.

2. Chippa. Prithvi Raj, N. Saritha, Dr. K. Mallikarjuna Lingam, "Deep Blind Evaluation of the Quality of The Use Of Graphic Form Analysis" Complexity International Journal (CIJ) Volume 25, Issue 02, ISSN: 1320-0682, July 2021.

Dr. V. M. Senthil Kumar

International Conferences:

1. V.M.SenthilKumar, Ravindrakumar Selvaraj, S. Sasikanth, Ekkirala Kranti Kumar, "Quantification of Urinary Bladder for Early Detection of Hazard in Oliguric Patient under Dialysis using Embedded System", Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies, PP 217-227, Jan 2022.

Dr. C. Ravishankar Reddy
International Journals:
1. Adepu Hari Priya, Dr. C. Ravishankar Reddy, "Design And Simulation of Semi coupled 12T Transistor Based SRAM Using 15nm Technology", Journal of Interdisciplinary Cycle Research Volume XIII, Issue VII, ISSN NO: 0022-1945, July 2021.
2. Dr. C. Ravi Shankar Reddy, P.V. Gopi Kumar, "An Energy and Area Efficient IOT Architecture for BioMedical Applications", Journal of Interdisciplinary Cycle Research Volume XIV, Issue III, ISSN NO: 0022-1945, March 2022.

Dr. B. Jyothi
International Conferences:
[1]. Jyothi B, Sucharitha M, Anitha Patibandla, "Low complexity and high speed Montgomery Multiplication based on FFT", International Conference on Signal Processing, Communications and System Design, 2021.

Dr.M. Sucharitha
International Journals:
1. M.Sucharitha, PHV Sesha Talpa Sai,M. L.R. Chaitanya Lahari, P. Haseena Bee, "Computer Assisted System for Detecting Pulmonary Embolism in Lungs", International Journal of Recent Technology and Engineering, Vol.10, No.4, pp.89-94, Nov 2021.
2. Gadhari Keerthana,M. Sucharitha, K. Mallikarjuna Lingam, "ECG Signal analysis and Prediction of Heart attack with the help of Optimized Neural Network", DogoRangsang Research Journal, Vol.08, No. 02,pp.208-21, 2021.
3. Reena Thomas and M.Sucharitha, "Triangular Vertex Transform Based Watermarking on Contourlet Coefficients for Improved Robustness", Turkish Journal of Computer and Mathematics Education, Vol.12 No.3, pp.5434-5442, 2021.

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[2]. Jyothi B, Sucharitha M, Anitha Patibandla, "Low complexity and high speed Montgomery Multiplication based on FFT", International Conference on Signal Processing, Communications and System Design, 2021.

Dr. S. Sasikanth

International Journals:

1. Sasikanth Shanmugam, Srinivasa Rao Surampudi, "A method for detecting and classifying the tumor regions in brain MRI images using vector index filtering and ANFIS classification process", International Journal of Imaging System Technology,Vol 32, PP687–696, 2022.

International Conferences:

1. V.M.SenthilKumar, Ravindrakumar Selvaraj, S. Sasikanth, Ekkirala Kranti Kumar, "Quantification of Urinary Bladder for Early Detection of Hazard in Oliguric Patient under Dialsis using Embedded System", Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies, PP 217-227, Jan 2022.

Dr. N. Subash

International Journals:

1. N. Subash, P. Srikanth, "A 4K Resolution-Accomplished FPGA Implementation of Solitary Image Particle Maps", Dogo Rangsang Research Journal, ISSN: 2347-7180, Vol-08 Issue-14 No. 02, PP: 219-232, Aug-2021.
2. N. Subash,V. Ajay, "VLSI Design For Turbo Decoder Module for in Vehical System", Juni Khyat, ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-11, Issue-08, No.01, PP-179-186, August 2021.
3. Sri Bhavannarayana Sudhir Avvaru , N. Subash, "Artificial Intelligence and Machine Learning based Robotic ARM using Raspberry Pi", Design Engineering, ISSN: 0011-9342, Issue: 8 | Pages: 8919- 8929, 2021.

Dr. Nagesh Deevi

International Journals:

1. Nagesh Deevi, "Model Designing of DC Motor Instant Stopping for Robotic and Automation", Advances and Applications in Mathematical Sciences, Volume 20, Issue 11, Pages 2677-2682,September 2021.

2. Nagesh Deevi, "Design and Implementation of Low Power 128 Bit AES Pipelined Encryption Using Clock Gating On 28nm FPGA", Advances and Applications in Mathematical Sciences, Volume 20, Issue 11, Pages 2535-2541,September 2021.

Dr. R Chinna Rao

International Journals:

[1]. R. Chinna Rao, K. Mohana Lakshmi, Ch. Raja, P. Bharat Siva Varma, Ganga Rama Koteswara Rao, Anitha Patibandla, "Real-Time Implementation and Testing of VoIP

Vocoders with Asterisk PBX Using Wireshark Packet Analyzer", Journal of Interconnection Networks, 2022.

International Conferences:

1. R Chinna Rao, Dr PVY Jayasree , Dr S Srinivasa Rao, "Spread Specrum Based Speech Steganography Using RDWT", 2nd International Conference on Electronics and Sustainable Communication Systems ICESC, Aug 2021.

Kiran Kumar Vemula
International Journals:

1. Kiran Kumar Vemula and S. Neeraja,"Block Based Motion Estimation Algorithms: Analysis", Advances in Dynamical Systems and Applications (ADSA), ISSN 0973-5321,Volume 16, Number 2, Aug-2021.

P. Anitha

International Journals:

1. R. Chinna Rao, K. Mohana Lakshmi, Ch. Raja, P. Bharat Siva Varma, Ganga Rama Koteswara Rao, Anitha Patibandla, "Real-Time Implementation and Testing of VoIP Vocoders with Asterisk PBX Using Wireshark Packet Analyzer", Journal of Interconnection Networks, 2022.

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[1]. Jyothi B, Sucharitha M, Anitha Patibandla, "Low complexity and high speed Montgomery Multiplication based on FFT", International Conference on Signal Processing, Communications and System Design, 2021.

P. Swetha
International Journals:

1. Bachina Surendra Babu, Satish Kumar Ramaraj, Karuganti Phani Rama Krishna, Pinjerla Swetha, "Extended buffer zone algorithm to reduce rerouting time in biotelemetry systems using sensing", ACTA IMEKO ISSN: 2221-870X, Volume 11, Number 1, 1 -7, March 2022.

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2. Swetha Pinjerla, Dr.S.Srinivasa Rao, Dr. P.Chandrasekhar Reddy, "Sampling Rate Convertion Techniques-A Review", IEEE International Conference on Recent Trends in Computer Science and Technology, Feb 2022.

D. Asha
International Conferences:
1. D. Asha, Y. Madhavee Latha, "Content-Based Video Retrieval System Using DWHT Multi-Feature Vector", AICTE Sponsored 7th International Conference on "Signal Processing, Communications And System Design" (ICSPCOMSD-2022 with ISBN: 978-93-83038-52-7, 28-29 January 2022.

N. Saritha
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1. Chippa. Prithvi Raj, N. Saritha, Dr. K. Mallikarjuna Lingam, "Deep Blind Evaluation of the Quality of The Use Of Graphic Form Analysis" Complexity International Journal (CIJ) Volume 25, Issue 02, ISSN: 1320-0682, July 2021.

Renju Panicker
International Conferences:
1. Renju Panicker, Sellakkutti Suganthi, "Progression of Metamaterial for Microstrip Antenna Applications: A Review", International conference on Intelligent Systems and Sustainable Computing(ICISSC-2021), Intelligent Systems and Sustainable ComputingDOI : 10.1007/978-981-19-0011-2, Sep 2021.
2. Renju Panicker, Sellakkutti Suganthi, "Inverse Hilbert Fractal- Metamaterial Rings for Microstrip Antennas and Wideband Applications", IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting in Denver, 2022.

KDK Ajay
International Conferences:
[1]. Ajay KDK, V Malleswara Rao, "Recent Techniques in Image Retrieval: A Comprehensive Survey", International Conference on Signal Processing, Communications and System Design, 2021.

Ch. Kiran Kumar
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1. Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal," Motion detection and tracking of surveillance videos under distorted environments", Intelligent Circuits and Systems, 2021, DOI: 10.1201/9781003129103-42.
2. Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal, "A Novel Adaptive Illumination Correction approach for Collected Sensory data from Sequences of Videos", Sensor Review, March 2022.

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1. Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal, "An Effective Approach for Object Detection using Deep Convolutional Networks", International Conference on. Breakthrough in Heuristics and Reciprocation of Advanced Technologies (IEEE Conference), April 2022.
2. Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal, "Object Detection and Tracking: A Review", Intelligent Circuits and Systems (ICICS 2022), April 2022.

Talasila Srinivas

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1. Talasila Srinivas, Rawal, Kirti Sethi, Gaurav,"PLRSNet: A Semantic Segmentation Network for Segmenting Plant Leaf Region under Complex Background", International Journal of Intelligent Unmanned Systems, Nov-2021.
2. Talasila, Srinivas ; Rawal, Kirti; Sethi, Gaurav; MSS, Sanjay, "Blackgram Plant Leaf Disease Dataset", Mendeley Data, V1, doi: 10.17632/zfcv9fmrgv.1, 2021.

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1. Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav, "Conventional Data Augmentation Techniques for Plant Disease Detection and Classification Systems", International Conference on Intelligent Systems & Sustainable Computing, Sep-2021.
2. Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav, "Disease Classification in Black gram Crop Using CNN Transfer Learning" in the International Conference on "Intelligent Circuits and Systems" ICICS-2022 on 8th -9th Apr 2022.
3. Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav, "Plant Leaf Disease Detection and Classification Systems Using CNN Architectures" in the International Conference on "International Conference on Recent Trends In Smart And Sustainable Agriculture For Food Security" (SSAFS – 2022) on 21st & 22nd Jan 2022.

M Anantha Guptha

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1. Maram Anantha Guptha, Surampudi Srinivasa Rao, Ravindrakumar Selvaraj, "An Efficient Discrete Wavelet Transform Architecture With Low Power And Multiplier-Less Structure For Biomedical Image Processing Application", Journal Of Harbin Institute Of Technology, ISSN: 0367-6234, Vol. 54, Issue. 2, pp 188-196, 2022.

Neha Thakur

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1. Dr. Hari Murthy, Neha Thakur, Dr Nisha Shankhwar, " Nickel-Based Conductive Inks for Flexible Electronics A Review on Resent Trends", Journal of Advanced Manufacturing Systems , oct-2021.
2. Neha Thakur, Dr. Hari Murthy, "Nickel-based inks for Inkjet Printing: A Review on Latest Trends", American Journal of Material Science, 'Vol 11/Issue 1/Pg. 20-35, Jun-2021
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K. Rasool Reddy
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1. K. Rasool Reddy, ravindra Dhuli, "Segmentation and Classification of brain tumors from MRI images based on adaptive mechanisms and ELDP feature descriptor", Biomedical Signal and Control, 76, 2022.

Anakhi Hazarika
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1. Anakhi Hazarika, Soumyajit Poddarr, Hafizur Rahaman, "High Performance Kernel Architecture for Convolutional Neural Network Acceleration", Journal of Circuits, Systems and Computers, vol. 30, no. 15, pp. 2150266(1-21), 2021.

2. Anakhi Hazarika, Soumyajit Poddar, Moustafa M Nasralla, Hafizur Rahaman, "Area and energy efficient shift and accumulator unit for object detection in IoT applications", Alexandria Engineering Journal, vol. 61 No. 1 , pp. 795-809, Jan 2022.

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1. Nikumani Choudhury, Moustafa M. Nasralla, Aman Shrivastav, Anakhi Hazarika, " DDAS: Distributed Delay Aware Scheduling for DSME based IoT Network Applications in Smart Cities", IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks, UK, 2022.

2. Nikumani Choudhury, Anakhi Hazarika, "Low-Power DSME-Based Communication and On-Board Processing in UAV for Smart Agriculture", Information and Communication Technology for Competitive Strategies (ICTCS 2020), pp. 639-648, July 2021.