

TABLE OF CONTENTS

S. No.	PID No.	Paper Details	
COMMUNICATION AND NETWORKING			
1	PID3	A Study on Firewall System, Scheduling and Routing using Pfsense Scheme <i>P.SenthilKumar and M.Muthukumar</i>	
2	PID14	An Effective Channel Access Mechanism for Data Transmission in Hetrogeneous Cognitive Radio Sensor Networks <i>V.Noel Jeygar Robert and K.Vidya</i>	
3	PID 26	A Low Traceback And Zero Logging Overhead IP Traceback Approach for Communication Networks <i>S.Malliga , S.V. Kogilavani and P.S.Nandhini</i>	
4	PID 32	Energy Efficient Cluster Formation in Wireless Sensor Networks Based on Multi Objective Bat Algorithm <i>Vani Rajasekar, K.Sathya and .J.Premalatha</i>	
5	PID 35	Sink Originated Unique Algorithm for Clustering and Routing to Forward Aggregated Data in Wireless Sensor Networks <i>K.Lalitha, R.Thangaragan C.Poongodi and D.Vijay Anand</i>	
6	PID 51	Adaptive Modulation for Wireless Sensor Networks <i>G.Thirunavukkarasu, G.Murugesan, R.Soundharya, K.Vijiyalakshmi and N.Tamil</i>	
7	PID 52	Study of Interline Power Flow Controller in Congestion Management of Power System with Flower Pollination Algorithm <i>Saraswathi Ananthevel and Kandasamy Kittusamy</i>	
8	PID 60	Detection of Replica Node Attack Based on Exponential moving Average Model in Wireless Sensor Networks <i>S.Anitha, P.Jayanthi and V.Chandrasekaran</i>	
9	PID87	Performance Analysis Of Non Cooperative Spectrum Sensing Schemes in 5G Cognitive Radio Networks	

		<i>R.Ramyea and N.Kasthuri</i>	
10	PID105	Analysis and Experimental Evaluation of Routing Protocol for Static and Mobile Challenging Environment in WSNs <i>V.C.Diniesh, G. Murugesan, M. Joseph Auxilius Jude and E.M. Jayanth</i>	
11	PID106	Improving TCP's Throughput and Fairness Stability in Vehicular Network <i>M. Joseph Auxilius Jude, S.Kuppuswami and V. C. Diniesh</i>	
12	PID103	Design of UWB High Gain Modified Bowtie Antenna for Radar Applications <i>J.Vijayalakshmi and G. Murugesan</i>	
13	PID104	A Compact Stair Case Monopole UWB Antenna for Radar <i>V. Diniesh and Dr. G.Murugesan</i>	

IMAGE AND SIGNAL PROCESSING

1	PID68	A Comparative Study of Secured Medical Images in Cloud Environment <i>D. Linett Sophia and S.Balambigai</i>	
2	PID79	Rule Based Fuzzy Image Segmentation for The Detection Of Breast Cancer From Ultrasound Image <i>S.Rajasri and D.Rahul Gandh</i>	
3	PID91	Cardiac Arrhythmia Diagnosis System from Electrocardiogram Signal using Machine Learning Approach <i>R.Lakshmi Devi and V.Kalaivani</i>	
4	PID1	Classification of Cloud/sky Images based on kNN and Modified Genetic Algorithm <i>S.Akila Rajini and G.Tamilpavai</i>	
5	PID10	Automatic Brain Tumor Segmentation from MRI Image Using PSO based Clustering Technique <i>V.Sivakumar ,N.Janakiraman and S.Naganandhini</i>	
6	PID13	A Neuro-Fuzzy Approach for anomaly identification in Brain fMRI using K-Means algorithm <i>K.Kandasamy, S.Latha Shanmugavadivu and K.S.Tamilselvan</i>	

7	PID16	Linear Weighted Multiple Watermarking in DWT-SVD domain through Covariance Analysis <i>N.Sangeetha and X.Anita</i>	
8	PID 21	A Survey on Multimodal Biometrics Authentication and Template Protection <i>Aravindhraj Natarajan and N.Shanthi</i>	
9	PID 31	Automatic Optic Disc Localization and Optic Cup segmentation from Monocular Color Retinal Images for Glaucoma Assessment <i>S. Sumithra, A. Geetha and D.Santhi</i>	
10	PID 43	Investigation of Various Speckle Noise Denoising Filters <i>S.Pradeep and P.N irmaladevi</i>	
11	PID46	Finger Knuckle Biometric Authentication using Texture Based Statistical Approach <i>P.Jayapriya and R.Manimegalai</i>	
12	PID 54	Performance Comparison of Adaptive Filters for Speckle Noise Reduction in SAR Images <i>G.Mageshkumar, S.Suthagar and K.S.Tamilselvan</i>	
13	PID71	An Optimum Image Binarization Technique for Degraded Historical Document Images <i>Sathya Narayanan and N.Kasthuri</i>	
14	PID90	Isolated Offline Tamil Handwritten Character Recognition using Deep Convolutional Neural Network <i>A.Arun Prakash A and S.Preethi</i>	
15	PID37	Certain Investigations on Data Hiding for Security Applications <i>G.Ramya, P.P.Janarthanan And D.Mohanapriya</i>	
16	PID49	The Survival of Intellectual Disabled Subjects in Social Environment using BCI <i>V.Ashok ,R.P.Karthik, K.M.Keerthana and A.R.Roshinee</i>	
INTELLIGENT COMPUTING			
1	PID27	Content-Based Image Retrieval Techniques: A Review	

		<i>M.Thilagam and K. Aarunesh</i>	
2	PID45	Prediction of Passenger Traffic for Global Airport using Holt's Winter Method in Time Series Analysis <i>S.Deetchiga, U.Kabila harini and M.Marimuthu, J.Rathika</i>	
3	PID111	A Survey on and Performance Analysis of Load Balancing Algorithms using Meta Heuristics approach in Public Cloud-Service Provider's Perspective <i>R. Ramya, T.Hemalatha, S.Puspalatha and M.Bhuvana</i>	
4	PID66	Improve Efficient Keywords Searching Data Retrieval Process in Cloud Server <i>S.Saravanan T.Abirami and P.Pandiayara</i>	
5	PID77	Task Based Resource Scheduling in Cloud <i>I.Devi and G.R.Karpagam</i>	
6	PID89	Reversible Data Hiding using Spiral Order Technique in Medical Images <i>S.Lakshmanan and M.Mary Shanthi Rani</i>	
7	PID92	Contemplate Study of Contemporary Techniques for HUIM <i>K. Logeswaran, P. Suresh, S. Savitha and A. Rajiv Kannan</i>	
8	PID101	Honey Bee Behaviour Inspired Scheduling and Load Balancing of Virtual Machine in Fog Environment <i>R.S.Mohana, B.Krishnakumar, N.Sasipriyaa and S.Kalaiselvi</i>	
9	PID 5	A Review on the Impact of Climate Change on Agriculture in India using Big Data Analytics <i>D. Namachivayam and K. Kousalya</i>	
10	PID 39	Comparative Analysis on Image Retrieval Technique using Machine Learning <i>S. Sasireka M. Karthiga and N.Santhi</i>	
11	PID 44	Diabetes Risk Analysis using IoT and Deep Learning <i>Monica Murugesan and M.Sujaritha</i>	
12	PID98	Review on Brain Tumor Segmentation Methods using Convolution Neural Network for MRI Images <i>K.Venu P.Natesan, N.Sasipriyaa and S.Poorani</i>	
13	PID113	A Self Induced Warning System for Wild Animal Trespassing using	

		Machine Vision System <i>Aswin.V.P.Ram, A.Sarath Prakash, A.Irshath Ahamed, K.Anirudh, M.M.Aravindh and N.Nithyavathy</i>	
14	PID107	Offline Navigation:GPS based Assisting System in Sathuragiri Forests using Machine Learning <i>N.Prabhu Ram, K.Sandhiya,Vibin Mammen Vinod and V.Mekala</i>	
15	PID22	Comparative Analysis of Feature Selection Methods and Machine Learning Algorithms in Permission based Android Malware Detection <i>M.Nivaashini, R.S.Soundariya and P.Thangaraj</i>	
16	PID11	Search for Effective Data Mining Algorithm for Network Based Intrusion Detection(NIDS)- DDoS Attacks <i>S.Sumathi and N.Karthikeyan</i>	
17	PID 47	Application of Rough Set Based Reduction for Network data set <i>V.R. Saraswathy and M.Prabhu Ram</i>	
18	PID108	Review on Big Data Analytics in Mortality Prediction <i>A.Vidya, D.Shanthi, P.Gokulakrishnan and K.Manivannan</i>	
19	PID110	Stress Prediction to reduce Suicidal Rate in the Society based on Social Media using Machine Learning Approach <i>C.R.Preethi Rajam, N.Uma Maheswari, S.Jeyanthi and S.K.Somasundaram</i>	
20	PID109	Wind Power Forecasting in Short-Term using Fuzzy K-Means Clustering and Neural Network <i>R.Praveena and K.Dhanalakshmi</i>	
21	PID115	Strength prediction using ANN for concrete with Marble and Quarry dust <i>S.Anandaraj, Jessy Rooby, Gobinath Ravindran, Arun Kumar Beerala, Vikram Mulukalla and Swathi Koduri</i>	
22	PID116	ANN based prediction of Bond and Impact Strength of Light Weight Self Consolidating Concrete with Coconut Shell <i>P. Murthi, K. Poongodi, M. Shivaraj Arun Kumar Beerala Sangeetha Gaikadi, A. Srinivas and R. Gobinath</i>	
23	PID112	Are pregnancy welfare schemes effective? A case study on India <i>Ramalatha Marimuthu, G. Kesavkrishna and R.Sathya Narayanan</i>	

EMBEDDED SYSTEMS

1	PID20	A Survey on Water Stagnation Detection and Prevention System in Smart Cities <i>E. Elavarasi and I. Joe Louis Paul</i>	
2	PID 23	Smart Irrigation System using Zigbee Technology and Machine Learning Techniques <i>R.N.Kirtana, S. Kavitha, B.Bharathi, B.Keerthana, S.Keerthana Priya and K.Kripa</i>	
3	PID 24	Design and Fabrication of Mobilized Lower Extremity Powered Exoskeleton System <i>D.Venkatesa Prabu , T.Sakthivel, S.Praba and B.Shabareesha</i>	
4	PID 117	Industrial Wrapping Machine <i>K.Suganeswaran, Harish Raj, S.Arunkumar, M.Barath and S.Balaji</i>	
5	PID 114	Enhancement of Routing Protocol for Low Power Lossy Network for Internet of Things <i>S.B.Gopal, C.Poongodi,.D.Nanthiya,.K.Harish,E.Divya and N.Aarthy</i>	
6	PID 25	Multi-Factor Based User Authentication Scheme for Lightweight IoT Devices <i>J.Gowthami and N.Shanthi</i>	
7	PID 38	Design And Implementation of Biometric based Smart Antitheft Bike Protection System <i>K.S.Tamilselvan,.G.Murugesan and S.Sasikumar</i>	
8	PID 48	Analysis on Behavioural Changes in the Intellectual Disability of the Individuals <i>P.P.Janarthanan, V.Ashok, R.P.Karthik and K.M.Keerthana</i>	
9	PID 59	Low Cost Raspberry Pi Oscilloscope <i>Balasubramaniam Vivek, Shanmugam Maheswaran, Palanisamy Keerthana, Shanmugam Sathesh, S. Bringeraj , R. Akshaya Sri and S. Asma Sulthana</i>	
10	PID72	Real Time Location Tracking and Health Monitoring of Police Force <i>V.Mekala, Rosalin Ruby Angela,M.Manimegalai and Vibin Mammen Vinod</i>	
11	PID75	Driver Warning System in Hill Bends <i>L.Vijayalakshmi Pradeepa and SaiRam</i>	

12	PID86	Autonomous Room Mapping Vehicle <i>Yathin Thilak Kumar</i>	
13	PID102	Portable Communication Aid for Specially Challenged : Conversion of Hand Gestures into Voice And Vice Versa <i>Meeradevi Thiagarajan and K.M.Sharavana Raju</i>	
14	PID 42	Design and Fabrication of LPG Drain Gesture <i>RM.Udhaya Chandran, S.Sharboj, S.Shivsurya, S.Naveen, E.Mithul Pranav</i>	
15	PID70	A Study of ACO/PSO approaches in Agriculture and Social Network Fields - A Generic Review <i>N.Anitha, R.DeviPriya, S.Chineaga and L.Shrinidhi</i>	
16	PID 33	A Novel Architecture to Improve Performance of Photovoltaic Cells using Lens Let Arrays <i>Pragash N. Nagaiyan</i>	

VLSI AND NANO TECHNOLOGY

1	PID 2	Low Latency Scheduling of Point Multiplication Featuring High Speed GF (2m) Multiplier Suitable for FPGA Implementation <i>I. Blessing Meshach Dason and N. Kasthuri</i>	
2	PID 6	An Ultra Low Power VLSI Architecture for Viterbi Decoder using Subthreshold Adiabatic Logic <i>M. Ruban Gladwin and N. Kasthuri</i>	
3	PID 7	Design of Novel SRAM cell using Hybrid VLSI Techniques for High Computational Speed in Embedded Memories <i>K.Gavaskar, U.S.Ragupathy, D.Malathi and G.Ravivarma</i>	
4	PID 9	In Depth Survey on SMS4 Architecture <i>M.Babu and G A Sathish Kumar</i>	
5	PID 34	Survey on Adaptive Filter Applications <i>T.Shanmugaraja, N.Kasthuri and C.Karthikeyani</i>	
6	PID 41	Area Efficient Implementation of Adaptive Filters using High Level Transformation	

		<i>S.Gomathi, Murugesan Govindaswamy, Sasikala Subramaniyam, M.Chitra</i>	
7	PID 58	2D Lifting Based Discrete Wavelet Transform Architecture based on Sub Expression Reduction Technique <i>V.Anbumani,V Geetha and G Murugesan</i>	
8	PID64	2D Lifting Based Discrete Wavelet Transform Architecture using Modified Reduced Hardware Algorithm <i>V Geetha,V.Anbumani and G Murugesan</i>	
9	PID 56	A Novel Ternary Half Adder & One Bit Multiplier Circuits based on Emerging sub-32nm FET Technology <i>Dr. P.A. Gowri Sankar</i>	
10	PID74	Effects of Microwave Annealing of Graphene and its impact on Structural, Electrochemical performance for Energy Storage <i>K.Senthil Kumar,A.Chandrasekar,K.Kannan and G.Murugesan</i>	
11	PID88	Automatic Solar Powdered Grass Cutter Incorporated with Alphabet Printing And Pesticide Sprayer <i>M.Manimegalai,V.Mekala, N.Prabhuram and D.Suganthan</i>	
12	PID97	Area and Power Efficient Approximate Wallace Tree Multiplier using 4:2 Compressors <i>S.Thava Bala, D.Shangavi and P.Sangeetha</i>	
13	PID 100	An improved transformerless inverter topology for grid connected photovoltaic system <i>Patakamoori Aswini ,Zameer Ahmad and P V R L Narasimham</i>	