

## **EASWARI ENGINEERING COLLEGE**

### **Technical Paper Publications in International Journal in the Year 2017**

#### **Department of Civil Engineering**

1. N.Parthiban, M. Neelamegam, “Flexural Behaviour of Reinforced Concrete with hollow core in shear section”, International Research Journal of Engineering and Technology, Volume: 04 Issue: 04, PP 2263 -2274, April 2017.
2. Lavanya Prabha S, Neelamegam M And Surendar M, “Mechanical Properties of Micro-Steel Fibre Reinforced Copper Slag Resin Mortar”, International journal of Earth science and Engineering, ISSN 0974-5904, Volume 10, No. 05 October 2017, P.P. 996-1001
3. Dr. C. G. Hemamalini., Dr. Krishnaveni M “Integration of Groundwater Potential and Irrigation Water Quality at Micro Level in Tannery Polluted Areas” Bulletin of Pure and Applied Sciences, Vol-36 E (Geology) Issue (No.1) P.1-17, August 17.
4. A.S.Hari Hara Sudan, M. Neelamegam, Experimental Study on Strength Behaviour Of Concrete Using Foundry Sand As Fine Aggregate” International Research Journal of Engineering and Technology, Volume: 04 Issue: 04, pp 2848 – 2852. April 2017
5. B.R.Harini, Surendar M ,LavanyaPrabha S , Utilization of agro by products Prosopis – Juliflora in construction Industry, International Journal of Science and Innovative Engineering & Technology, Volume: 05, May 2017
6. Dinesh Kumar R., Ravichandran P.T., Divya Krishanan “Evaluation of Self-Compacting Concrete with Partial Replacement of Recycled Aggregates”, International Conference on Innovative Techniques for Sustainable Earth & Environment, Karunya Institute of Technology and Sciences, 12-13 Decemeber 2017, Pg. No. 18
7. Dr. Hemamalini C. G., Dr. Krishnaveni M “Integration of Groundwater Potential and Irrigation Water Quality at Micro Level in Tannery Polluted Areas” Bulletin of Pure and Applied Sciences, Vol-36 E (Geology) Issue (No.1) P.1-17, August 17

#### **Department of Computer Science and Engineering**

1. Javid Ali, G.S.Anandha Mala, "Actor-Oriented approach for Fault Tolerance in Distributed Ecommerce systems" has been accepted for publication in Cluster

- Computing, ISSN: 1386-7857 (Print) 1573-7543 (Online) (SCI-Impact Factor: 1.51) (Annexure I)
2. D Manohari, GS Anandha Mala and KM Anand Kumar, “Fault tolerant topology control with mobility prediction in MANETs for clinical care data transmission”, Biomedical Research, Special Section: Artificial Intelligent Techniques for Bio-Medical Signal Processing, ISSN: 0970-938X (Print) | 0976-1683 (Electronic), 2017, Page No. S36-S43 (SCI-Impact Factor: 0.236) (Annexure I)
  3. M. Anbu, G. S. Anandha Mala, “Feature selection using firefly algorithm in software defect prediction”, Cluster computing, the journal of networks, software tools and applications, publisher: Springer us,(sci-impact factor 2016: 2.040) (scopus), October 2017, ISSN 1386-7857 (print), 1573-7543 (online)
  4. Dr. K.M. AnandKumar ,” Navigation Approach for Books Using Smart Phones with Inertial Measurement Sensor and IBeacons”, International Journal of Current Research in Life Sciences, 2017
  5. Padmakala, G.S.Anandha Mala and K.M.Anandkumar, "Using Diverse Set of Features to Design a Content-Based Video Retrieval System Optimized By Gravitational Search Algorithm”, International Journal of Business Intelligence and Data Mining, ISSN online: 1743-8195 ISSN print: 1743-8187. (Annexure I)
  6. T. Kavitha Rani, Dr.G.S.Anandha Mala, K P K Devan,"Opinion Mining and Sentic Analysis in Social Network based on ELM", International Journal of Research Science & Management, ISSN: 234-5197, 4(3), pp. 5 - 9, March 2017. Impact Factor: 2.715
  7. K.Kasiyammal, K.Kayalvizhi, “Monitoring driver behaviour by red light running for preventing traffic and collision caused by vehicle”, International Journal of Computer Science and Information Technology Research, Vol. 5, Issue 2, pp: (238-245), Month: April - June 2017, ISSN 2348-120x (online).
  8. R.Swetha, Ms.S.Kayalvizhi, “Crack Detection System for Railway Tracks by Using Acoustic Emission Sensor”, International Journal of Mechanical and Industrial Technology JUNE 2017
  9. Mrs. V. Mercy rajaselvi,” Survey on video annotation”, International Journal of Trend in Research And Development, ISSN:2455-8761, Vol 2, issue-06, June 2017, PNo 20 – 24.

10. Mrs. V. Mercy rajaselvi, “Video Annotation model based on multi-label classifier and fuzzy knowledge representation schemes”, International Journal of Trend in Research And Development, ISSN:2454-4116, Vol 3, issue-6, June 2017, page 04-08
11. Dr.G.S.Anandamala, K.P.K. Devan ,T.Kavitharani, ,” Opinion Mining And Sentic Analysis In Social Network Based On ELM” International Journal Of Research Science & Management (IJRSM), Vol .4, Issue 2 , Feb 2017.
12. Mr. K. P.K.Devan,” Data Security and Privacy in Cloud Storage using Hybrid Symmetric Encryption Alogorithm”, International Journal of Advanced Research in Computer and Communication Engineering, ISSN: 2455-8761, Vol 2, Issue 8, Dec 2017.
13. V.Sriranjani C. Srihari, S.Prashanth, S. Sobitha Ahila,” Interactive learning of Braille for children using linguistics”, International Journal of Advanced Computational Engineering and Networking, ISSN: 2320-2106, Vol 5, Issue-6, June 2017.
14. D.Vijaya lakshmi , G.S.Anandha mala, P.Harikumar, “Survey on security of cloud data sharing”, International Journal of Recent Engineering Research and Development, Volume 02, Issue 06, June 2017

### **Department of Electronics and Communication Engineering**

1. B. Suseela and D. Sivakumar, “Cognitive radio and its impact of throughput with channel optimization techniques,” J. Comput. Theor. Nanosci., vol. 14, no. 1, pp. 430–434, 2017.
2. Dr.D.Sivakumar and H.Amra Jeelani Bijli, “A Study on Extending Digital India To Rural Areas using UHF-TV White Spaces,” International Journal of Multidisciplinary,vol.3,issue no.2,pp.1-5,2017.
3. Dr.D.Sivakumar and N.Legapriyadharshini, “ Smart Mesh Networking City by New Method,” Asian Journal of Engineering and Applied Technology,” Vol. 6 No. 1, 2017, pp.19-22.
4. T.N.Suresh Babu and Dr.D.Sivakumar, “ Design and Analysis of Microstrip Slot Patch Antenna,” International Journal of Engineering Technology, Management and Applied Sciences, Volume 5, Issue 6,pp 319-322, June 2017.
5. D.Sivakumar and J.P.Srividhya,” Pre quality indices analysis using empirical wavelet transform and rational dilation waveform,” Journal of computational and theoretical nano science,Vol 14,pp 3220-3226,2017.

6. K Deepak kumar and Dr. D Siva kumar, “ Adaptive Boundary Estimation Algorithm For Spectrum Sensing In Cognitive Radio Networks,” International Journal of Advance Research and Innovative ideas in education, Vol-3 Issue-3, pp 3517-3523, 2017.
7. D.Sivakumar & Mohanarangan,” Congestion control through Policy Based Scheduling algorithm,” Journal of computational and theoretical nano science, Vol. 14, Issue 9, pp 4315–4319, June 2017.
8. V. Murugan and D. Sivakumar, “An Efficient PTS Scheme with Integrated PSO-GA Algorithm for PAPR Reduction in MIMO-OFDM”, Journal of Adv Research in Dynamical & Control Systems, Issue:11, pp 775-784, 2017.
9. S. Mohanarangan and D. Sivakumar,” Issues and challenges of TCP congestion control in Mobile Adhoc networks”, International Journal of Innovations & advancement in computer Science, volume 6, issue 6, pp 277-287, June 2017.
10. Dr.D.Sivakumar and C.Sri venkateshwaran,”Secure Cluster Based Data Aggregation In Wireless Sensor Networks With Aid Of ECC”, International Journal of Business Information Systems, 2018. (In Press).
11. Hema.R, Sofia Rose.S and Dr.Sudha.S, “Performance Analysis Of Localization Algorithm For Energy Efficient Node Deployment In Underwater Acoustic Sensor Networks”, International Journal of Mechanical Engineering and Technology, Volume 8, Issue 11, pp. 385–393, November 2017.
12. Hema.R, Sofia Rose.S and Dr.Sudha.S,” Comparative Study Of Localization Algorithm With Tetrahedron Deployment Scheme In Underwater”, International Journal Of Electrical And Electronics Engineers, volume 9, issue no:1, pp 1552-1562, 2017.
13. Karunya.M and Dr.K.Rahimunnisa, “Breast Cancer Segmentation And Classification Using Adaptive Clustering Technique”, pp 182-198, 16th April 2017.
14. Mercy Bernadette J, B. Jesvin Veancy, P. Yogesh,” Performance Improvement For LTE-OFDM System With MIMO Beam forming”, International journal of Advance Research in Science and Engineering , Vol.6 , Issue 4, pp 175-186, 16th April 2017.
15. Jesvin Veancy.B and Prasanna Venkatesh,” Progressive Parallel Interference Cancellation in MIMO OFDM system”, International journal of Advance Research in Science and Engineering Vol.7 , Issue 1, Jan 2018.

16. D.Jessintha and D.Kannan, “Pseudo Pipelined Coordinate Rotation Digital Computer Discrete Cosine Transform Architecture for Image Compression”, Journal of Computational and Theoretical Nanoscience, Volume 14, Number 8, pp. 3758-3763(6). August 2017.
17. R.Senthamizhselvi and G.R.Suresh,” A New Hybridized Speech Enhancement Technique for Stationary and Non-Stationary Noisy Environments”, Journal of Computational and Theoretical Nanoscience, Volume 14, Number 12, pp. 5934-5941(8), December 2017.
18. K.Abirami and Malligai Selvi.S,” Discrete Wavelet Transform Based Optoelectronic Water Mark Technology”, International Journal of Emerging Trends in Science and Technology, Vol.04,Issue:02,Pages 4964-4969,February-2017.
19. S.Shanthi and K.Abirami, “Optimization of Leach Protocol in Wireless Sensor Networks”, International Journal of Advanced Research in Science and Engineering , Volume n0-07,Issue No-02,February 2018.
20. A.Usha, Nijisha Shaji and M. Sasikala,” Automatic Anisotropic Diffusion Filtering and Graph-search Segmentation of Macular Spectral-domain Optical Coherence Tomographic (SD-OCT) Images”, Current Medical Imaging Review ,volume 13,2017.
21. Archanaa. S and A.Usha,” Segmentation of OCT image by graph cut technique and classification by SVM classifier”, International Journal of Electrical & Electronics Engineers, vol no :9, issue no:1,pp 1431-1440,Jan 2017.
22. A.Ponraj and S. Elakshumi,” A server based load pattern analysis of smart meter system using internet of things”, Journal of Emerging Technologies and Innovative Research(JETIR), Vol.4, No.6, pp 28-35,Jun 2017.
23. B. Arivuselvam ,B.Omika, and S.Sudha,” Removal of Impulse Noise in Image Using Reduced Simple Edge Preserving Denoising Technique”, International Journal of Emerging Trends in Science and Technology, Vol.04,Issue no :05,pp no :5176-5179,May-2017.
24. S.UmaMaheswari,” Lossless Medical Image Compression Algorithm Using Orthogonal Moment Transforms”, Advanced Research in Electrical and Electronic Engineering,2017.
25. S.UmaMaheswari,” Speckle noise removal using framelet decomposition”, International journal of Fronteiras 2017.

26. Bindu Babu and Ammu Abirami, “Can Protocol Based Vehicle Brake Control System At Slope”, International Research Journal of Engineering and Technology, Volume: 05 Issue: 01,Jan2018.
27. Gophika Thanakumar, “An Automatic Detection System for Entry of Wild Animals”, International Journal on Recent and Innovation Trends in Computing and Communication, PP: 1324 – 1326. May 17 Volume 5, Issue 5.
28. Bhairavi .M Shriya .S, Suriyakrishnaan .K, Thenmozhi .S,” Improved Health Monitoring Using Location Aware Sensor Routing Protocol”, International Journal of Advance Research, Ideas and Innovations in Technology, Volume no :3,Issue no :2,2017.
29. Dr.K.S.Thivya and K.Suriyakrishnaan,” An Efficient Data Hiding Approach On Digital Colour Image For Secret Communication” International Journal Of Innovations In Engineering And Technology , Volume 8 Issue 2 April 2017.
30. V.Yamuna, P.Meenakshi Vidya, S.Sudha,” Design of Power Efficient Double Edge Triggered DLL Clock Generator”, International Journal of Emerging Trends in Science and Technology, Vol.No :04,Issue No :06,Pages 5257-5260,June-2017.
31. V.Yamuna, P.Meenakshi Vidya, S.Sudha,” Design of Low Power Double Edge Triggered Phase Detector For DLL Clock Generators”, International Journal for Research in Applied Science and Engineering Technology, Vol 5, Issue no : 1, January 2017.
32. R.Senthamizh ,G.R.Suresh and S.Kanaga suba Raja,” Speech Enhancement Using Harmonic-Model with Multichannel Wiener Filter”,Journal of Advanced Research in Dynamical and control systems, Volume: 9, Issue: 2,pp: 48-54,2017.
33. T.Premaharsha, A.T.Madhavi , “INTELLIGENT BUS QUERY SYSTEM” International Journal of Advanced Technology in Engineering and Science(ISSN 2348-7550) Vol 05, Issue 05, May 2017.
34. A.T.Madhavi, R.Sundar, “SENSOR BASED SPECTACLES, WAIST BELT AND FOOTWEAR FOR VISUALLY IMPAIRED PEROPLE” International Journal of Civil Engineering and Technology (ISSN online :0976) Volume 08, Issue 06, June 2017.
35. R.Sundar, A.T.Madhavi, “IMPLEMENTATION OF ETHERNET BASED MONITORING AND CONTROLLING SYSTEMS” International Journal of Pure and Applied Mathematics (ISSN online :1311 -8080) Volume 114, Issue 12, 2017.

36. A.T.Madhavi, R.Sundar ,” “CHALLAN FILLING SYSTEM IN BANKS FOR VISUALLY IMPAIRED AND ILLITERATE PEOPLE” International Journal of Advanced research in Dynamical and Control Systems, (ISSN online :1943) Volume 09, Issue 09, September 2017.

### **Department of Electrical and Electronics Engineering**

1. P.Marish kumar, J.Lydia,” Design and Implementation of Photovoltaic Inverter system using Multi-cell Interleaved Fly-back Topology”, International Journal of Chem Tech Research(IJCRGG), ISSN NO. 0974-4290,Vol.No-10,Issue No-14,Pg.No: 300-308,2017.
2. P.Marish kumar, K.A.Indu Sailaja, Keerthana R,” Hybrid MPPT Technique Using Fuzzy Logic and Ant Colony for Effective Solar Pumping Head”, International Journal of Chem Tech Research(IJCRGG), ISSN NO. 0974-4290,Vol.No-10,Issue No-14,Pg.No: 309-321,2017.
3. P.Marish kumar, K.A.Indu Sailaja, G.Vignesh,” Threshold Monitoring System for Improving Baysman’s Performance”, International Journal of Chem Tech Research(IJCRGG), ISSN NO. 0974-4290,Vol.No-10,Issue No-14,Pg.No: 353-361,2017.
4. Preethishri R S and Kalai Selvi K, “Push Pull Converter with PMDC Motor for Servo Applications”, International Journal of Control Theory and Applications, Feb 2017, Vol. 10, Issur.02, pp. 265-273.
5. K.V.Thialagr and Kalai Selvi K, “Design and Simulation of Interleaved DC-DC Converters for Fuel Cell Applications”, International Journal of Control Theory and Applications, Feb 2017, Vol. 10, Issur.02, pp. 321-332.
6. D.Uthirapathi and R.Karpagam, “Reconfigurable Nano Electronic Memories Design for System On- Chip”, Journal on Embedded Systems, Jan 2017, Vol.05, No.1
7. D.Ramya and M.Deva Brinda, “Grid Connected PV/Wind Hybrid System with Improved Power Quality”, International Journal of Engineering Science and Computing, May 2017, Vol.7, Issue:5.
8. Pushpakarthick.P, K.V.Thilagar, G.Vignesh and P.Senthil kumar, “Direct Flux And Torque Control Of Induction Motor Drive For Speed Regulator Using Pi And Fuzzy Logic Controllers”, nternational Journal of Science and Innovative Engineering & Technology (IJSIET), Volume 3 May issue 2017, ISBN 978-81- 904760-9-6.

9. Lydia, Aarthy and Anandhu, “Embedded Based Public Transit Aid System For The Visually Impaired”, International Journal of Electrical and Electronics Engineering- ICET-2017 special edition March 2017.ISSN:2348-8379.pp31-34
10. Pushpakarthick.P, Srividya S, Srividhya S, Fouzul Rahman and S.T.Prasanna, “Design of GRA Wind Power Generation”, International Journal of Science and Innovative Engineering & Technology (IJSIET), Volume 3 May issue 2017, ISBN 978-81-904760-9-6
11. Pushpakarthick.P and P.Senthil kumar, “Design and Implementation Of Solar Powered Electromagnets”, International Journal of Science and Innovative Engineering & Technology (IJSIET), Volume 3 May issue 2017, ISBN 978-81-904760-9-6
12. V.Vijeesh, Yuvaraj and Ramya, “Design and Development of Dry Leaf Recycler and Compost Depositing System”, International Journal for Modern Trends in Science and Technology Vol.03, Issue No. 5, May 2017, ISSN: 2455-3778
13. Varun S,Vidhya venkat and E.Priya, “Code Red: Environment Recognition Safety Protocol”, International Journal for Modern Trends in Science and Technology Vol.03, Issue No. 5, May 2017, ISSN: 2455-3778

#### **Department of Electronics and Instrumentation Engineering**

1. Sobana subramani , Rames C.Panda and Bidisha panda, “Studies on performances of membrane, draw solute and modeling of forward osmosis process in desalination – a review”, Desalination and water treatment,vol.70, 2017,pp.46-63.
2. Gunaselvi Manohar & Surya prakasa Rao Kavuri, “An Evolutionary Path For Control of Air Pollution From Road Transport”, Environmental Engineering and Management Journal,vol.16,No.1, 2017,pp.15-24.

#### **Department of Mechanical Engineering**

1. George Sahaya Nixon R, Mohanty B S and Bhaskar G B, “Effect of process parameters on physical measurements of AISI316 stainless steel coating on EN24in friction surfacing”, Materials and Manufacturing Processes Vol. 33, Iss. 7, 2018pp 778-785 DOI:10.1080/10426914.2017.1388524. 2017. (SCI Indexed) (Impact Factor - 2.274).
2. VR KarthikPanchabikesan, , Antony Aroul Raj,SujathaAbaranji, Pandiyarajan “Effect of direct evaporative cooling during the charging process of phase change material based



- storage system for building free cooling application—A real time experimental investigation”, *Energy and buildings* 152 (1), 250-263 2017 (SCIIndexed) (Impact Factor: 4.067)
3. G.K. Sathishkumar, G. Rajkumar, K. Srinivasan, M.J. Umapathy C. “Structural analysis and mechanical properties of lignite fly-ash-added jute–epoxy polymer matrix composite”, *Journal of Reinforced Plastics and Composites* Vol 37, Issue 2, pp. 90 – 104, 2017. (SCI Indexed) (Impact Factor: 1.086)
  4. K. Raj Kiran,S.Prasanna Raj Yadav, C. G. Saravanan, E. James Gunasekaran ,RameshPerumal. “Computational Analysis of Combustion, Performance And Emission Characteristics On Di Diesel Engine With Variable Intake Geometries”, *Journal of Advanced Research in Dynamical and Control Systems* ,Spl Issue 14, pp465-476, 2017. (SCOPUS) (Impact Factor: 0.297)
  5. Joel C, Elumalai B, Anand S, Padmanabhan S, “Design And Analysis Of Sports Bike Wheel Spokes”, *Journal of Advanced Research in Dynamical and Control Systems* , Spl Issue 14, pp477-485, 2017.1943-023X. (SCOPUS) (Impact Factor - 0.297)
  6. Sivasaravanan.S, Padmanabhan.S, SaiAkash, Shankara Narayanan H, “Mechanical Characterization Of GFRP/CFRP/Natural Fiber Laminated In Epoxy Resin Composite”, *Journal of Advanced Research in Dynamical and Control Systems* , Spl Issue 14, pp497-504, 2017. (SCOPUS) (Impact Factor: 0.297)
  7. Sivasaravanan.S, Padmanabhan.S,Sathish Kumar K ,Jishnuvardhan Reddy, “ Fabrication of Porous Composite Material For Crash Energy Absorption”, *Journal of Advanced Research in Dynamical and Control Systems* , Spl Issue 14, pp486-496, 2017. SCOPUS 0.297
  8. K.Giridharan, V.Jaiganesh, B.YokeshKumar , “Studies on Friction Stir Welding Process Parameters Of Dissimilar Alloys”, *Journal of Advanced Research in Dynamical and Control Systems* , Spl Issue 18, pp1927-1936, 2017. (SCOPUS) (Impact Factor: 0.297)

### **Department of Information Technology**

1. Dr.S.Kanagasubaraja, A New Hybridized Speech Enhancement Technique for Stationary and Non-Stationary Noisy Environments, *Journal of Computational and Theoretical Nanoscience*, ISSN: 1546-1955/2017/14/5934/008, Volume 14, Number 12,pp. 5934-5941(8),American Scientific Publishers, Dec 2017

2. Dr.S.Kanagasubaraja, Speech Enhancement Using Harmonic-Model with Multichannel Wiener Filter, Jour of Adv Research in Dynamical & Control Systems, ISSN: 1943-023X, Vol. 9, No. 2, 48-54,2017
3. Dr.S.Kanagasubaraja, Conversion of Non Audible Murmur to Normal Speech Based on Full-Rank Gaussian Mixture Model, Journal of Computational and Theoretical Nanoscience, ISSN 1546-955/2017/14/001/006, Vol. 14,1–6,American Scientific Publishers,2017
4. Dr.V.Vani, Test Lifecycle in Behavior,Driven Development ,I J C T A, ISSN: 0974-5572,© International Science Press, 10(8), pp. 613-618, 2017
5. Dr.S.Leninisha,Quantitative growth analysis of pulp necrotic tooth (post-op) using modified region growing active contour model,IET Image Processing,ISSN 1751-9659,Vol. 11 Iss. 11,pp. 1015-1019,© The Institution of Engineering and Technology 2017
6. Mrs.R.Priyatharshini,An Active Contour Model Based Multi Objective Optimization Technique for Coronary Calcium Scoring,Journal of Medical Imaging and Health Informatics, Vol. 6, No. 6, 2016,1–6,2016. doi:10.1166/jmihi.2016.1867
7. R. Priyatharshini and S. Chitrakala,,"An Efficient Coronary Disease Diagnosis System Using Dual-Phase Multi Objective Optimization and mbedded Feature Selection” ,International Journal of Intelligent Information Technologies (IJIIT), Volume 13, Issue 3,2017. DOI: 10.4018/IJIIT.2017070102
8. Mrs.Koquilamballe, Twitter Recommended Systems: A Topological And Interest Oriented Approach,Journal Of Computational And Theoretical Nanoscience,Vol 14,Pp 1-6 ,2017
9. Dr. S Kanaga Suba Raja,Speech Enhancement Using Harmonic-Model with Multichannel Wiener Filter, Jour of Adv Research in Dynamical & Control Systems, Vol. 9, No. 2, 2017, ISSN 1943-023X,PP 48-54,2017
10. Dr. S Kanaga Suba Raja,IOT based Automation of Fish Farming, Jour of Adv Research in Dynamical & Control Systems, Vol. 9, No. 1, 2017, ISSN 1943-023X,PP -50-57,2017
11. Mrs.A.Sathya,Design and Analysis of Agent Architecture for Dashboard Platform Domain Services,Advances in Natural and Applied Sciences (AENSI Journals),ISSN 1995-0772, EISSN:1998-1090,2017

12. Dr.N.Ananthi,IOT based Smart Monitoring system for Detecting Air Pollution,International Journal of Computer Science & Engineering Technology (IJCSET),ISSN : 2229-3345 Vol. 8 No. 04S,Pp 89-94,2017
13. Mr.K.Vivekanandhan,Prevention of Agricultural crops from animals using Distributed wireless sensor Networks,International Journal of Trend in Research and Development,Vol 4,Issue 2, IF-3.025,ISSN 2394-9333,MAR –APRL 2017
14. Mr.V.Balaji,Interactive learning and intervention for communication discrepancies in children with asperger syndrome,Internatinal Journal for Scientific Research & Development,Vol 5, issue 01, ISSN NO 2321-0613,1436-1439,2017
15. Mrs.C.Priyadharshini,A Review Based Document level classification for Product Rating,International Journal of Innovation and Advancement in Computer Science, ISSN 2347-8616,VOL 6,,ISSUE-3,MARCH 2017
16. Mrs.K.Kausalya,Retinal vessel detection to Identify and Analyse Diseases,International Journal of Trend in Research and Development,ISSN 2394-9333,VOL 4(2),371-376,MAR-APR 2017
17. Mrs.K.Kausalya,Hybrid Algorithm for idle object detection in noisy videos,International Journal of Trend in Research and Development,ISSN 2394-9333,VOL 4(2),MAR-APR 2017
18. G.S.Mahalakshmi and V. Vani,Test Lifecycle in Behavior Driven Development,I J C T A, © International Science Press,ISSN: 0974-110(8), 017,0(8), 2017,pp. 613-618,2017
19. S.Gnanapriya, Evaluation of Clustering Capability Using Weka Tool,International Journal of Innovations in Engineering and Technology (IJJET), ISSN: 2319 – 1058, Volume 8 Issue 1 – February 2017,PP 181-187,2017. <http://dx.doi.org/10.21172/ijiet.81.025>
20. S.Gnanapriya, IoT-On Demand based Location Aware System for Smart Museum,International Journal of Advanced and Innovative Research (2278-7844) / # 29 / Volume 6 issue 4,(2278-7844) / # 29 / Volume 6 issue 4,Pp 29-31,2017
21. M.Sowmiya, Evaluation of Clustering Capability Using Weka Tool,International Journal of Innovations in Engineering and Technology (IJJET), ISSN: 2319 – 1058, Volume 8 Issue 1 – February 2017,PP 181-187,2017. <http://dx.doi.org/10.21172/ijiet.81.025>

22. Ms. Sudha Mercy, A Survey on Learning Management System, IJSRD - International Journal for Scientific Research & Development, Vol. 5, Issue 02, 2017 | ISSN (online): 2321-0613, PP 2167-2170, 2017

### **Department of Physics**

1. Structural and phase transition of Mg-doped on Mn-site in  $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$  bulk/nanostructured perovskite characterised through online ultrasonic technique, S. Praveenkumar, K. Sakthipandi, M. Sridharpanday, M. Selvam, A. Karthik, S. Surendhiran, N. Palanivelu, V. Rajendran, G. Rajkumar, South African Journal of Chemical Engineering, 23, 50-61 (2017).

### **Department of Chemistry**

1. B.Jothimania S. Sureshkumara, B. Venkatachalapathy, "Hydrophobic structural modification of chitosan and its impact on nanoparticle synthesis – A physicochemical study' Carbohydrate polymers", Volume 173, pp 714-720, 2017
2. B Jothimani, S Sureshkumar, B Venkatachalapathy, Synthesis and Characterization of Surface Modified, Fluorescent and Biocompatible ZnS Nanoparticles with a Hydrophobic Chitosan Derivative, ISSN: 1053-0509, Volume 27, Issue 4, pp 1277–1284, 2017
3. Shameem Shaik, K Seethalakshmi, M Kaviya, B Venkatachalapathy, TM Sridhar, Polyvinyl Alcohol-Nanobioceramic Based Drug Delivery System, SOJ Materials Science and Engineering, Vol. 5, No. 1, pp. 1-6, 2017
4. S. Praveen Kumar, S. Munusamy, S. Muthamizh, A. Padmanaban, T. Dhanasekaran, G. Gnanamoorthy, and V. Narayanan. Electrochemical Determination of 4-Nitrophenol by Manganese(II) Schiff Base Complex Modified GCE, Mechanics, Materials Science & Engineering Journal, ISSN No 2412-5954, Vol No.10, PP 125-129

### **Department of Mathematics**

1. R. Jagadesh and J. Baskar Babujee, "On Edge Vertex Prime Labeling", International Journal of Pure and Applied Mathematics, Vol. 114, No. 3, (2017), 209-218.
2. Radhika. V, Siva Subramanian. S, Cho .N.E and Murugusundaramoorthy. G 2017, ' Mapping properties of Generalized Bessel function for some subclasses of univalent

functions', published in Journal Computational Analysis and Applications, VOL.~25, No.~3, pp.452--466 Impact Factor - 0.799.

### **Department of English**

1. B. Sridevi, "Inculcating Speaking Skills through Role Play" ROOTS International Journal of Multidisciplinary Researches, ISSN No. 2349-8684, Vol. 4, Issue 11, pp 1-6, Aug. 2017
2. V. Vinu and R. Kala, "Transformation: A boon to an Immigrant? ROOTS International Journal of Multidisciplinary Researches, ISSN No. 2349-8684, Vol. 4, Issue 11, pp 7-11, Aug. 2017
3. D. R. Shri Varshini, "Differentiating Learning Styles using English Newspaper in the ESL/EFL Classroom" ROOTS International Journal of Multidisciplinary Researches, ISSN No. 2349-8684, Vol. 4, Issue 10, pp 88-91, Aug. 2017

### **Department of MBA**

1. Dr.V.Saikumari ,” Challenges & Opportunities of Agricultural Entrepreneurship in Thanjavur District, Tamil Nadu”, International Journal of Research in IT and Management (IJRIM), Volume7, Issue 10.
2. Dr.Saikumari.V, Impact of Jallikattu towards Dairy Entrepreneurship in Tamil Nadu. International Journal of Engineering Technology International Journal of Engineering Technology Volume 5, Issue 3 ISSN 2349 – 4476, Mar 2017
3. Dr.R.Vasudevan,Reforms in Banking Sector-- Frontiers of Management Practices for Economic Sustainability, International Journal of Management & Research.
4. R.BanuReka, ”A Study on Financial & Non Financial factors Influencing IPO Pricing in NSE”, SPIM International Journal of Management Research
5. R.BanuReka, ” Day of the Week Effect for Nationalised Bank Stocks in NSE, Journal of Management, Volume 4, Issue 2, 253-256
6. R.BanuReka, ” A Study on Perception Towards Socially Responsible Investment Behaviour among Retail Investors in Chennai, International Journal of Management And Social Science Research Review, Journal of Management (JOM) Volume 1, Issue 37, 207-209.

7. S.Purushothaman, "" Enrichment in Education system of Tamil Nadu : A Paramount for future Generation". Volume 4, Issue2,83-86.
8. S.Purushothaman, ” A Study on Impact of employer- employee relationship on performance at Equitas Small Finance Bank Limited- Chennai, Intercontinental Journal of Human Resource Management, Volume 4, Issue7.

### **Technical Paper Publications in International Conference in the Year 2017**

#### **Department of Automobile Engineering**

1. G. Swaminathan, S. Sathiyamurthy, P. Naveenchandran, “Investigation On Microstructure And Micro Hardness Of Friction Stir Welded Dissimilar Aluminum Alloy Plates” International Conference On Recent Advances in Mechanical Engineering 2017.

#### **Department of Civil Engineering**

1. Kari Thangaratnam , Surekha.S.K , G.Prabha, Monslin Sugirtha Singh, “Analysis of Smart Composite Material Structures” International conference on Smart Technologies and Green Environment, Velammal Engineering College, May 2017, PP.No 125-129
2. R Anand, “Comparison study on Lemna Minuta Lin and Lemna Minor Lin for the reduction of Colour in textile industry waste warer” International conference on Smart Technologies and Green Environment, Velammal Engineering College, May 2017 PP.No 99 -103
3. Kari Thangaratnam, Sanjana R, Monslin Sugirtha Singh, E Yazhini, “ Non Linear Analysis Of composite plater and shells subjected to in plane loading”, International conference on Smart Technologies and Green Environment, Velammal Engineering College, May 2017, PP.No 85 -90
4. Kari Thangaratnam, Divya, Pradap, P, Integrated Thermal Analysis of Spacecraft Structures “International conference on Smart Technologies and Green Environment”, Velammal Engineering College, 2017, PP.No 103 - 109
5. G. Sarath Raj, M.Amala, “Experimental Investigation On Flexural Behavior of RC Beam In Rubber Tube Filled With Rubberized Concrete” International conference on IIASE, Aalim Muhammed salegh College of Engineering, May 2017. PP.No 43 -48

6. S.A.Darshan, M.Surendar, “An Experimental Study on Properties Of Fibre Reinforced Pervious Concrete” International conference on Recent Trends in Engineering and Technology , St.joseph's institute of technology, May 2017. PP.No 28- 32
7. N.Elakiya, LavanyaPrabha S, “Analysis and Design of steel portal frame by stiffness matrix approach using software”, International conference on Recent Trends in Engineering and Technology , St.joseph's institute of technology, May 2017. PP.No 78- 81
8. N.Parthiban, M. Neelamegam, “Flexural Behaviour of Reinforced Concrete with hollow core in shear zone”, International conference on IIASE, Aalim Muhammed salegh College of Engineering, May 2017. PP.No 35 -39
9. S.Sandana Socrates,S LavanyaPrabha “ Design and construction of Bridge Embankment using R.E Wall Panels”, International conference on Recent Trends in Engineering and Technology , St.Joseph's institute of technology, May 2017. PP.No 110 - 115
10. C.Shalin, J.Daniel Ronald Joseph, J.Prabakar, M.Neelamegam, “Experimental and Analytical study on prototype water tank constructed using flowable cement composites” International conference on Smart Technologies and Green Environment, Velammal Engineering College, May 2017. PP.No 16 - 21
11. A.S.Hari Hara Sudan, M. Neelamegam,”Experimental Study on Strength Behaviour Of Concrete Using Foundry Sand As Fine Aggregate” ” International conference on IIASE, Aalim Muhammed salegh College of Engineering, May 2017. PP.No 26 - 31
12. B.R.Harini, Surendar M ,LavanyaPrabha S, “Utilization of agro by products Prosopis – Juliflora in construction Industry”, International conference on Advances in science Engineering and technology, Rajiv Gandhi Institute of Trechnology, April 2017 . PP.No 66 - 71
13. B.R.Harini, Surendar M ,LavanyaPrabha S, “Experimental Study on Utilization of Prosopis – Juliflora concrete”, International conference on IIASE, Aalim Muhammed salegh College of Engineering, May 2017. PP.No 89 - 93
14. V.Tanshree, M. Surendar, “Evaluation of Lateral Resistance of RCC pile and computation of fragility curve” International conference on Recent Trends in Engineering and Technology , St.Joseph's institute of technology, May 2017. PP.No 29- 38

15. Dr.P.T.Ravichandran, Dinesh Kumar R, “Evaluation of Self Compacting Concrete with Partial Replacement of Recycled Aggregates” International Conference on Innovative Techniques for Sustainable Earth and Environment (ICITSEE,2017). Karunya Institute of Technology and Sciences, December -2017.

### **Department of Computer Science and Engineering**

1. Dr.K.M.AnandKumar, ShivaShankari.B,” Identification and Mitigation of Eavesdropper in Wireless Sensor Network” ICIEICE17 International Conference on Innovations in Electrical, Information and Communication Engineering, March 2017, Kongunadu College of Engineering and Technology, Trichy, Tamilnadu, India.
2. S.Suchithra,Padmini,” Subspace Mapping of Facial Attributes For Face Image Retrieval”, ICIEICE17 International Conference on Innovations in Electrical, Information and Communication Engineering, March 2017, Kongunadu College of Engineering and Technology, Trichy, Tamilnadu, India.
3. Dr.G.S.Anandamala, Harikumar.P, Vijayalakshmi.D,” Survey on security of cloud data sharing”, ICIEICE17 International Conference on Innovations in Electrical, Information and Communication Engineering, March 2017, Kongunadu College of Engineering and Technology, Trichy, Tamilnadu, India.
4. S.Kayalvizhi,Kasiyammal,”Monitoring driver behaviour by red light running for preventing traffic and collision caused byvehicle”, ICIEICE17 International Conference on Innovations in  
Electrical, Information and Communication Engineering, March 2017, Kongunadu College of Engineering and Technology, Trichy, Tamilnadu, India.
5. Dr.T.M.Navamani, Joana Sherly,” Survey On Security And Trust Mechanisms In Vanet”, 4th international conference on innovations in information, embedded and communication systems. ICIECS'17, Karpagam college of Engineering Coimbatore on 17th and 18th march 2017.
6. Mrs.V. Mercy Rajaselvi, Sumithra,” Survey on video annotation”, 4th international conference on innovations in information, embedded and communication systems. ICIECS'17, Karpagam college of Engineering Coimbatore on 17th and 18th march 2017.
7. S.Kayalvizhi,R.Shwetha,” Crack detection System For railway tracks by using acoustic emission sensor”, ICIEICE17 International Conference on Innovations in Electrical,



- Information and Communication Engineering, March 2017, Kongunadu College of Engineering and Technology, Trichy, Tamilnadu, India.
9. Dr.S.Sobitha Ahila, Gowtham . M, ” Privacy enhanced data communication protocol for wireless body area network.”, 4th International conference on "Advanced Computing and Communication Systems - ICACCS 2017".
  10. V.Sriranjani, S.Prashanthi, C.Srihari, Dr.S. Sobitha Ahila, ” Self-learning of braille using haptic interface for children” IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI) 2017, 21-22 Sept. 2017.
  11. Dr.K.M.AnandKumar, R.P.Sivakumaran, C.Shanmugasundaram, ” Characterisation and Management of Electronic Waste in India”, 4th 3R International Scientific Conference on Material Cycle and Waste Management, New Delhi.
  12. Dr.K.M.AnandKumar, R.P.Sivakumaran, C.Shanmugasundaram, "Monitoring of Electronic Waste Chemicals Leaching into the Soil with Special Reference to Unprotected Landfill” 4th 3R International Scientific Conference on Material Cycle and Waste Management, New Delhi.
  13. Dr.K.M.AnandKumar, R.P.Sivakumaran, C.Shanmugasundaram, "Issues Related to 3R with Special Reference to the Disposal of Electronic Waste in India" 4th 3R International Scientific Conference on Material Cycle and Waste Management, New Delhi.
  14. Dr.K.M.AnandKumar, R.P.Sivakumaran, C.Shanmugasundaram, ” Management of Electronic Waste Disposal in India” 1st International Conference on Innovations in Electrical, Information and Communication Engineering, Kongu College of Engineering.
  15. M.Deepthi, N.Senthamarai ,” Energy Aware Load Balancing using heuristic VM Live Migration Cloud Environment” Advance in natural and Applied Sciences”, (May 2017) Vol.01, pp:15-20(AENSI Publisher)
  16. B.V.N.Rani, “Secure Auditing and Storage Systems in Cloud Services”, International Conference on Mathematical Computer Engineering (ICMCE2017) at VIT Chennai ,3-4 November 2017
  17. S.Sri heera, “An Algorithm For Next Generation Memory Storage In DNA”, International Conference on recent trends in Engineering & technology at Stjoseph’s institute of technology, May 2017.

**Department of Electronics and Communication Engineering**

1. R.Senthamizh Selvi, “Embedding data in audio signals using HSAEMD Algorithm”, Third IEEE International Conference on Science Technology Engineering & Management (ICONSTEM). 2017.
2. A.Ponraj and S.Elakshumi, “A server based load analysis of smart meter systems”, Nextgen Electronic Technologies: Silicon to Software (ICNETS2), 2017 International Conference.
3. Mercy Bernedette, Jesvin Veancy, B & Yogesh, P , ‘Performance Improvement in LTE-OFDM System with MIMO Beamforming’ in the 5 th International Conference on Recent Development in Engineering Science, Humanities and Management held on 16 th April 2017, pp. 175-186.
4. Archanaa. S, Usha. A, “Segmentation of OCT by Graph Cut Technique and Classification by SVM Classifier” in 5nd International Conference on “ Recent Development in Engineering Science, Humanities and Management” held on 16th April 2017 at National Institute of Technical Teachers Training & Research, Chandigarh, India.
5. B. Arivuselvam, Dhivakar, S.Sudha “Efficient Segmentation of MRI Brain Image by modified Fuzzy C means clustering algorithm”-International conference on Recent Trends in Engineering & Technology, May 2017.
6. R. Ramya Dharshini, R. Senthamizh Selvi, G.R. Suresh , S. Kanaga Suba Raja, “Enhancement of Speech Intelligibility and Quality in Hearing Aid using Fast Adaptive Kalman Filter Algorithm”, 5th International Conference on Recent Development in Engineering Humanities, and Management, April 2017, ESHM.

### **Department of Electrical and Electronics Engineering**

1. P.Senthil Kumar ,Sharath Rajagopalan and R. Akshay Venkata Subramanian, “Efficient Traffic Handling & Traffic Signal Rules Alert System Using Thermographic Camera And Image Capturing” 37th IRF International Conference, 10th September 2017, Bangalore, India.
2. B.Avudai Lakshmi and R.Karpagam, “Realization of Proportional Resonant Controller Using TI’s F28069 Piccolo Control Stick”, International Conference on Knowledge based Computing Technologies, Feb 2017.

3. D.Ramya and M. Deva Brinda, “Grid connected PV/Wind hybrid system with improved power quality”, 4th international conference ICETS17 Muthayammal engineering institutions,Rasipuram Namakkal.dated 30.3.2017- 30.3.2017.
4. P.Marishkumar,K.A.Indu sailaja, G.Vignesh, Yeshwanth, E.S.Yuleshand K.Murali Krishnan, “Threshold Monitoring System For Improving Batsman’s Performance”, 3rd International conference on Advanced Engineering and Technology for sustainable Development (ICAETSD) march 30th and 31th 2017,volume 1, pp 617- 622.
5. J.Lydia, Leones, P.Marish kumar and A.Aishwarya, “Design and Implementation of Photovoltaic Inverter System using Multi- cell Interleaved Fly- back Topology”, 3rd International conference on Advanced Engineering and Technology for sustainable Development (ICAETSD) march 30th and 31th 2017,volume 1, pp 702- 708.
6. P.Marish kumar,R.Keerthana and K.A.Indu Sailaja, “Hybrid Mppt Technique Using Fuzzy Logic And Ant Colony For Effective Solar Pumping Head”, 3rd International conference on Advanced Engineering and Technology for sustainable Development (ICAETSD) march 30th and 31th 2017,volume 1, pp 607-617
7. P.Marish kumar,C.Sharmeela and S.Amosidinekaran, “Design Of Ripple Free Dc-Dc Converter For An Efficient Pv Based Pumping System Using Mppt Techniques”, 3rd International Conference On Advanced Engineering And Technology For Sustainable Development (ICAETSD) March 30th And 31th 2017, Volume 1, Pp 597-606.
8. Pushpakarthick.P,k.v.Thilagar, P.Senthil kumar, G.Vignesh, “Direct Flux And Torque Control Of Induction Motor Drive For Speed Regulator Using Pi And Fuzzy Logic Controllers”, International Conference on Science and Innovative Engineering 2017, 2nd April 2017, Chennai, India., ISBN 978-81-904760-9-6, MAY 2017 issue, Volume 3.
9. Lydia, Aarthy and Anandhu, “Embedded Based Public Transit Aid System For The Visually Impaired”, International Conference on Emerging Trends in Engineering, Technology, Science and Management (ICET-2017) 25.3.17,pp 323-325.
10. P.Vignesh, T.Senthil selvan, Vigneshwar, Sunil and J.Lydia, “Smart Solar Vehicle”, International Conference on Innovative Trends in Engineering, Science and Technology (ICITEST- 2K17) 25.3.17, pp 363-366.
11. Pushpakarthick.P, Srividya S, Srividhya S, Fouzul Rahman and S.T.Prasanna, “Design of GRA Wind Power Generation”, International Conference on Science and Innovative

Engineering 2017, 2nd April 2017, Chennai, India., ISBN 978-81-904760-9-6, MAY 2017 issue, Volume 3.

12. Pushpakarthick.P and P.Senthil kumar, “Design and Implementation Of Solar Powered Electromagnets”, International Conference on Science and Innovative Engineering 2017, 2nd April 2017, Chennai, India., ISBN 978-81-904760-9-6, MAY 2017 issue, Volume 3, 2017.
13. V.Vijeesh, Yuvaraj and Ramya, “Design and Development of Dry Leaf Recycler and Compost Depositing System”, International Conference on Engineering, Energy & Environment (ICEEE- 2017), March 31 to April02, pp:1237-1243.
14. Varun S,Vidhya venkat and E.Priya, “Code Red: Environment Recognition Safety Protocol”, International Conference on Engineering, Energy & Environment (ICEEE- 2017), March 31 to April 02, pp:460-463.

#### **Department of Electronics and Instrumentation Engineering**

1. P.Navaseelan & N.S.Bhuvaneshwari, “Fuzzy based fault detection and isolation of super heater faults in industrial boiler”, in proceedings of IEEE International conference on Technological Innovations in Communication, Control and Automation (TICCA), pp. 25-30, 2017.
2. T.Kalaiselvi,K.Selvasundar & M.K.Kumaresan “Maximizing Light Cycle Oil (Lco) production in fluid catalytic cracker”,in proceedings of IEEE International conference on Technological Innovations in Communication, Control and Automation (TICCA), pp. 44-48, 2017.
3. S.Nagarajan & B.Karthikeyan, ‘Robust fault tolerant satellite launcher flight control system ’, in proceedings of IEEE International conference on Technological Innovations in Communication, Control and Automation (TICCA), pp. 55-58, 2017.
4. Kaushik Raghunath, S.Ajay Viknesh, A.Kanagasabai, R.Krishna prasaad & S.Sobana ‘Intelligent level control in horizontal cylindrical tank ’, in proceedings of IEEE International conference on Technological Innovations in Communication, Control and Automation (TICCA), pp. 17-22, 2017.

#### **Department of Information Technology**

1. Dr.S.Kanaga suba raja, Enhancement of speech intelligability and quality in hearing aid using fastadaptive kalman filter algorithm, 5TH International conference on recent developing in engineering science,humanities and management,ISBN 978-93-86171-39-9,16th April 2017
2. Mrs.C.Priyadharshini, An Adequate Method for Detection through the Wall and Localization of Moving Targets Using UWR-IR, International Conference on Theory and Practical Relation in Engineering, ISBN:978-1548015534, 2017

### **Department of Chemistry**

3. E.K.T Sivakumar R. Anusa, C. Ravichandran Removal of heavy metal ions from industrial waste water by nano-ZnO in presence of electrogenerated Fenton's reagent, Vol. 10, No.7, pp. 501-508, 2017

### **Department of Mathematics**

1. Sivasubramanian. S and Radhika.V, 'Certain Geometric properties of Generalized struve functions', International Conference on Recent Trends in Mathematics ( ICRTM-2017) , Loyola College, Chennai, India, 475-478.
2. Sivasubramanian. S and Radhika.V, 'Inclusion Relations for Bessel-Struve Kernal functions for domains Bounded by Conical Domains', International Conference on Mathematical Computer Engineering ( ICMCE-2017) , VIT, Chennai, India.

### **Technical Paper Publications in National Journal in the Year 2017**

#### **Department of MBA**

1. Dr.V.Saikumari ,” Convergence in Effective Performance Appraisal System Technique: Foster Employee Involvement and Organizational Commitment Evidence from Indian SMEs”, Asian Journal of Research in Banking and Finance,Volume7,Issue 12, 87-110.
2. Dr.V.Saikumari, ” Measurement Modelling on Knowledge Management and Mentoring Behavior: Employee Self-Efficacious and Citizenship Behavior in Indian Auto Ancillaries & Auto Component”, Asian Journal of Research in Business Economics and Management, Volume7,Issue 12, 87-101.

3. Dr.V.Saikumari, ” Impact of Jallikattu towards Dairy Entrepreneurship in Tamil Nadu, International Journal of Engineering Technology, Management and Applied Science, Volume5,Issue 3.
4. R.BanuReka, ” Upshot of Occupational Stress on Work Life Balance of Employees Working in Information Technology Organizations in Chennai” Prabandhan: Indian Journal of Management, Volume10,Issue17.
5. V.Sunitha,” Convergence in Effective Performance Appraisal System Technique: Foster Employee Involvement and Organizational Commitment Evidence from Indian SMEs”, Asian Journal of Research in Banking and Finance,Volume7,Issue 12, 87-110.
6. V.Sunitha, ” Measurement Modelling on Knowledge Management and Mentoring Behavior: Employee Self-Efficacious and Citizenship Behavior in Indian Auto Ancillaries & Auto Component”, Asian Journal of Research in Business Economics and Management, Volume7,Issue 12, 87-101.