

BIO DATA

Name : Dr.R.Asokan

Designation :Professor/ECE and Principal,
Kongunadu College of Engineering
and Technology

Date of Birth and Age : 05.07.1967, 53 Years

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2.Educational Qualification :

Degree	Branch	University/College	Year of Completion	Class
B.E	ECE	Bharathiyar/ Kongu Engineering College	1988	65.7 % First class
M.S	Electronics and Control	Birla Institute of Science and Technology	1994	7.4(CGPA) First class
M.Tech	ECE	Pondicherry/ Pondicherry Engineering College	2001	8.6 (CGPA) First class with Distinction
PhD	Information and Communication Engineering	Anna University Chennai/ Kongu Engineering College	2008	-

Area of Research: Computer Networks , Image Processing, Data Analytics and Optimization Techniques

3.Teaching Experience

Total Experience: 32 Years

Publications – Journals

1. P. Preethi , R Asokan ‘Modelling LSUTE: PKE Schemes for Safeguarding Electronic Healthcare Records over Cloud Communication Environment’, Wireless Personal Communications, Vol.80, No.3 pp. 1-17, November 2019, DOI [10.1007/s11277-019-06932-8](https://doi.org/10.1007/s11277-019-06932-8)(Springer)-SCI.

2. P.Preethi and R.Asokan” ‘An Attempt to Design Improved and Fool Proof Safe Distribution of Personal Healthcare Records for Cloud Computing’ Mobile Networks and Applications, Volume 24, Issue 6, pp. 1755–1762, October 2019, DOI [10.1007/s11036-019-01379-4](https://doi.org/10.1007/s11036-019-01379-4)(Springer)-SCI.
3. P.Preethi and R.Asokan” A High Secure Medical Image Storing and Sharing in Cloud Environment Using Hex Code Cryptography Method—Secure Genius” Journal of Medical Imaging and Health Informatics, Vol.9 No.7, September 2019, pp1337-1345
4. C.Saravanabhavan, K.Anguraju, M.Kannan, P.Preethi, R.Asokan, 2019 ‘Ensuring Efficient Data Storage Using Fully Mature Homomorphic Encryption Technique in the Cloud Environment’ International Journal of Recent Technology and Engineering, Vol.8, No.2, July 2019, pp.5333-5342. Scopus.
5. J. Yogapriya, C. Saravanabhavan, R. Asokan, Ila. Vennila, P. Preethi, B. Nithya ”A Study of Image Retrieval System Based on Feature Extraction, Selection, Classification and Similarity Measurements” Journal of Medical Imaging and Health Informatics Vol. 8, No.3 March 2018,pp. 479–484
6. P. Nirmaladevi, R. Asokan” A Novel Edge Preserving Improved Adaptive Wavelet Filter (EPIAWF) for Speckle Removal in Ultrasound Images” Current Medical Imaging Reviews Vol.4 No.3, 2017, pp 529-531.
7. T.C.Kalaiselvi, R.Asokan “A classification of chronic leukaemia using new extension of k-means clustering and EFMM based on digital microscopic blood images” International Journal of Biomedical Engineering and Technology.Vol.23.No.2/3/4, March 2017 pp.232-241
8. S Balambigai, R Asokan “Investigation on the Compression of Electrocardiogram Signals Using Dual Tree Complex Wavelet Transform”, IETE Journal of Research, Vol.60 No.4 January 2017, pp392-402
9. S. Maheswaran, R. Asokan, R.P. Karthik and S. Sathesh “Embedded System Based an Automatic Coconut Dehusker with Identification of Decay in Copra for Export Packaging “International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 1, December 2016, pp592-601.
10. N.Krishnamoorthi, R.Asokan and Isabella Jones “Classification of Malignant and Benign Micro Calcifications from Mammogram Using Optimized Cascading Classifier” Current Signal Transduction Therapy, Vol.6 No.3, November 2016, pp 98-104
11. R.Pavitra and R.Asokan” Improving Privacy and Dynamic Updation Using Ranked Search Over Outsourced Cloud Data” International Research Journal of Engineering and Technology, Vol.3 No.10, October 2016, pp 621-624

12. PS Raghavendran, R Asokan” Maximum Power Point Tracking of Modified Three Level Boost Converter for Thermo Electric Generator using Fuzzy Logic Asian Journal of Research in Social Sciences and Humanities Volume:6 No.8, August 2016, pp 207-218
13. R.Asokan, T.C.Kalaiselvi and M.Tamilarasi “Medical image fusion using stationary wavelet transform with different wavelet families” Pakistan Journal of Biotechnology volume 13, 2016, pp10-14
14. Kalaiselvi Chinnathambi, Asokan Ramasamy, Premkumar Rajendran” Performance Comparison of Classification of Chronic Leukaemia Cell Types Using Artificial Neural Network” Journal of Medical Imaging and Health Informatics, Vol.6 No.3,June 2016 pp 571-584
15. J Vellingiri, S Balambigai, K Saravanan, R Asokan” Secure real time web based electrocardiogram monitoring system for improved healthcare” Journal of Medical Imaging and Health Informatics, Vol.6 No.3,June 2016 pp 774-778
16. S.K.Nivetha, R.Asokan” Energy efficient multi-constrained optimization using hybrid ACO and GA in MANET routing” Turkish Journal of Electrical Engineering & Computer Sciences vol.24 no.5, June 2016 pp 3698-3713
17. S.Maheswaran , R.Asokan, P. Sivaranjani, P.Priyadharshini “Monitoring the Turmeric Finger Disease and Growth Characteristics Using Sensor Based Embedded System —A Novel Method” Circuits and Systems, Vol.7 No.8,June 2016, pp 1280-1296.
18. PS Raghavendran, R Asokan, M Vishnupriya”Enhancing the Security against Flooding Attack in MANET for Medical Application” Asian Journal of Research in Social Sciences and Humanities Volume:6 No.6, June 2016 pp 34-43.
19. M. Vinitha, R.Asokan “Hybrid Swiper: Synchronization of IP and MAC Address to Overcome Third Party Attacks in cloud” International journal for science and advanced research in technology Vol.2 No.5, May 2016, pp 721-724.
20. K. Saravanan and R. Asokan” An Investigation on Neuro-Fuzzy Based Alert Clustering for Statistical Anomaly of Attack Detection” Asian Journal of Information Technology. Vol.15 No.1, Jan 2016, pp 136-141.
21. P. Nirmaladevi, R. Asokan” An adaptive truncated wavelet filter for speckle removal in ultrasound images” International journal of Applied Engineering Research Vol.10, No.2, July-December 2015, pp 2327-2337.
22. Saravanan, K., Asokan, R. and Venkatachalam, K. “Cluster Based Detection Mechanisms for Distributed Denial of Services (DDoS) Attacks”, International Journal of Soft Computing, Vol.10, Issue: 4, August 2015 pp 247-253.
23. S.Maheshwaran and R.Asokan “A Machine-Vision-Based Real-Time Sensor System to Control Weeds in Agricultural Fields” Sensor Letters Vol .13, No.6, June 2015, pp 489-495
24. S.K.Nivetha, R.Asokan , N.Senthilkumaran and C.K.Brindha “ Hybrid GA-PSO for Solving Multi-metric Quality of Service Routing Optimization in Mobile Ad Hoc Networks” Australian Journal of Basic and Applied Sciences,Vol.9 no.16, May 2015 pp. 483-491

25. P.S.Regavendran and R.Asokan” Aggrandizement of Power Conversion Efficiency in Cascaded Buck Boost Converter for Thermo Electric Generator Using Fuzzy Controller” Middle-East Journal of Scientific Research, Vol. 23 ,No. 4, April 2015 pp. 619-627.
26. M.Senthilkumar and R. Asokan” Context Aware Routing in MANET with Artificial Bees Colony Algorithm” Journal of Convergence Information Technology Vol.10, No., March 2015, pp.37
27. S.Maheshwaran and R.Asokan” Multi-crop Chlorophyll Meter System Design for Effective Fertilization” Research Journal of Applied Sciences, Engineering and Technology Vol.9, No.2, January 2015, pp.98-105.
28. M.Senthilkumar and R. Asokan” Context Aware Routing in MANET with Ant Colony Optimization” ARPN Journal of Engineering and Applied Sciences, Vol.10, No.1, January 2015, pp.223-228

Publications – International Conferences

1. S.K .Nivetha , R.Asokan and N.Senthilkumaran “ Metaheuristics in Mobile Adhoc Network Route Optimization” International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW-2019) Organized by National Institute of Technology, Trichy from 22-24 to May 2019.
2. R.Asokan” A survey on Threat management in cloud computing” International conference on Intelligent Computing Nano Science and Renewable Energy Sources Organized by Selvam College of Technology 8-9 March 2018.
3. M.Vinitha and R.Asokan”Hybrid Swiper: Synchronization of IP and MAC address to overcome third party attacks in cloud” Fourth International Conference on Design and Applications of Structures, Drives, Communicational and Computing Systems (ICDASDC) 27-28 November 2015.
4. Maheswaran, S, Asokan, R & Abirami, P 2015, ‘Automatic Identification of Plants Weeds for Weed Management in Agriculture’, IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIIECS’15 Organised by Karpagam College of Engineering , Coimbatore 19-20 march 2015.

Publications – National Conferences

1. R.Asokan and P.Preethi “ Modeling a scheme for guaranteeing confidentiality over the internet based trade for cloud applications ” (Awarded as the best paper) National Conference on Smart computing and Advanced Communication, (SCAC’20) organized by PSNA College of Engineering and Technology, Dindikal on 06.03.20
2. R.Asokan and P.Preethi “Secure medical data using Module based encoding in Cloud Computing” National Conference on Smart computing and Advanced Communication,

(SCAC'19) organized by PSNA College of Engineering and Technology, Dindikal on 15.03.19

3. R.Asokan and P.Preethi "Text and Image steganography using DEEPSTAG: A Technology for cloud Security" National Conference on Advanced Communication, Computing and Power systems (NCACCPS 2K19) organized by St joseph's College of Engineering and Technology, Thanjavur on 09.03.19.
4. R.Asokan " Security Enhancements of PHR in cloud computing using Multi Authority "National Conference on Emerging trends in Advanced Signal Processing, Communication and Networking (ASPCN' 17) organized by PSNA College of Engineering and Technology, Dindigul on 24.03.17.
5. Maheswaran, S, Asokan, R & Abirami, P 2015, 'Weed Detection System for Precision Spraying in Agricultural Field', IETE Sponsored National Conference on VLSI, Embedded Systems, Communication Systems- 2015 organized by Kongu Engineering College on 8 April 2015.