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(20+ Years of Experience)

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Selected Publications in Journals & Conferences

1. Prasanna Venkatesan G.K.D, “Design a 4G MIMO Antenna over wireless sensor node transmission for LTE band”, Australian Journal of Basic and Applied Sciences (AJBAS), Volume. 9, Issue 11, Pg. No. 235-252, 2015.
2. M Pachiyaanan, GKD PrasannaVenkatesan, “Compact size K-band UWB antenna for surface movement radar: Design and analysis”, International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), pp. 693-696, 2015.
3. G.K.D. PrasannaVenkatesan M. Pachiyaannan, “Design a 4G MIMO antenna over Wireless sensor Node Transmission for LTE Band”, Australian Journal of Basic and Applied Sciences, Vol. 9, Issue. 11, pp. 7, 2015.
4. Dr.G.K.D.PrasannaVenkatesanJ.Kirubakaran, “Performance analysis of MIMO systems using CDMA for 4G Wireless Communication”, International Journal of Applied Engineering Research, Vol.10, pp. 6, 2015.
5. K Sampath Kumar, GKD PrasannaVenkatesan, “A Novel Approach to Enhance DNS Cache Performance in Web Browser using SPV Algorithm”, Indian Journal of Science and Technology, Vol. 8, Issue. 15, pp. 54635, 2015.
6. K Sampath Kumar, GKD Venkatesan, “Certain Investigation in DNS Stub Network Performance by using Accelerator System”, Asian Journal of Research in Social Sciences and Humanities, Vol. 7, Issues. 2, pp. 72-84, 2016.
7. M Kumaresan, GKD PrasannaVenkatesan, “Cloud Scheduling Using Hybrid Heuristic Based HEFT and Enhanced GRASP Approach: A Study and Analysis”, IEEE- 8th International Conference on Computational Intelligence and Communication Networks (CICN), pp. 48-51, 2016.
8. M Pachiyaannan, GKD PrasannaVenkatesan, “Dual-band UWB antenna for radar applications: Design and analysis”, IEEE- 8th International Conference on Computational Intelligence and Communication Networks (CICN), pp. 196-199, 2016.
9. K Sampath Kumar, GKD PrasannaVenkatesan, “Certain Investigation in DNS Performance by Using Accelerator and Stub Network”, IEEE- 8th International Conference on Computational Intelligence and Communication Networks (CICN), pp. 172-176, 2016.

10. S Jegadeesan, GKD PrasannaVenkatesan, "Distant biometry in cattle farm using wireless sensor networks", IEEE- International Conference on Communication and Electronics Systems (ICCES), pp. 1-5, 2016.
11. G Venkatesan, S Pari, V Kathiravan, "Spectral, linear and nonlinear optical, electrical, mechanical behaviour of sodium succinate crystal", IOP- Materials Research Express, Vol. 3, Issue. 9, pp. 096201, 2016.
12. ShashidharKasthala, GKD PrasannaVenkatesan, "Estimation of MIMO power line communication Channel capacity using multi-conductor transmission line theory", IEEE-2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), pp. 787-792, 2016.
13. ShashidharKasthala, GKD PrasannaVenkatesan, "Estimation of Channel Capacity for MIMO Power Line Communication using Multi-Conductor Transmission Line Theory", IEEE International Conference on Applied and Theoretical Computing and Communication Technology, Bangalore, 2016.
14. AAnitha, RK Arun Kumar, P Nanthini, GKD PrasannaVenkatesan, M Pachiyaannan, "ANALYSIS AND DESIGN OF CYLINDRICAL SHAPED CONFORMAL UWB ANTENNA", IAET - International Journal of Advances in Engineering & Technology, Vol. 9, Issue. 2, pp. 177, 2016.
15. GKD Venkatesan, "Certain investigation on smart and efficient monitoring system in dairy farm using wireless sensor networks", 2016.
16. GKD Venkatesan, "An investigation on DNS performance enhancement using shortest parsing verb algorithm in stub network", 2016.
17. ShashidharKasthala, G Venkateshan, "Experimental verification of distributed parameters on indian residential networks for power line communication", Internatioanl Journal of Engineering and Technology, Vol. 8, Issue. 6, pp. 2846-2852, 2016.
18. M Pachiyaannan, GKDP Venkatesan, "Optimal design of 6.1 GHz UWB antenna for off body communication", Asian Journal of Information Technology, Vol. 15, Issue. 21, pp. 4229-4235.
19. M Kumaresan, GKD Venkatesan, "An Effective Scheduling Algorithm for Auditability Awareness using Cloud", Asian Journal of Research in Social Sciences and Humanities, Vol. 6, Issue. 12, pp. 154-165, 2016.
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23. Rahul Chandra Kushwaha, AchintyaSingha, "Impact study of teaching mathematics using ICT enabled learning", International Journal of Advanced Research in Computer Science, Vol. 8, Issue. 8. 2017.
24. ShashidharKasthala, GKD Venkatesan , "A review on PLC modeling techniques for residential networks", International Journal of Advanced Research in Computer Science, Vol. 8, Issue. 8, 2017.
25. GKD Venkatesan, M Pachiyaannan, S Karthik, T SenthilAnanth, J Kirubakaran, "A Low Profile UWB Antenna for Wireless Body Area Network: Design and Analysis", ACM - Proceedings of the 2nd International Conference on Biomedical Signal and Image Processing, pp. 77 – 80, 2017.
26. A Sridevi, GKD Venkatesan, "Certain Investigations on High Energy and Spectral Efficient CRAHN Based Spectrum Aggregation", American Scientific Publishers - Journal of Computational and Theoretical Nanoscience, Vol. 14, Issues. 8, pp. 3861 – 3866, 2017.
27. A Sridevi, GKD PrasannaVenkatesan, "Tuberculosis malady recognition in chest radiographs via artificial neural networks", IEEEInternational Conference on Electrical, Instrumentation and Communication Engineering (ICEICE), pp. 1- 5, 2017.
28. J Kirubakaran, GKD PrasannaVenkatesan, "Performance analysis of MIMO MC-CDMA system using multi equalizers", IEEE International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE), pp. 1-5, 2017.
29. M Kumaresan, GKD PrasannaVenkatesan, "Enabling high performance computing in cloud computing environments",IEEE International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE), pp. 1-6, 2017.
30. G Ramakrishna, ShashidharKasthala, GKD PrasannaVenkatesan, "Photovoltaic Based Energy Efficient Air Compressors for Ships", International Journal of Engineering Trends and Applications, Vol. 4, Issue. 6, 2017.
31. G Ramakrishna, ShashidharKasthala, GKD PrasannaVenkatesan, "GSM Based Health Monitoring of Critical Equipments", International Journal of Scientific Research in Science and Technology, Vol. 3, Issue. 8, 2017.
32. GKD Venkatesan, "Studies on performance analysis of MC CDMA and OFDMA system using linear MIMO receivers in wireless communication", 2017.

33. S. Jayakumar, K. Senthilkumaran, J.Poongkothai, G.K.D. Prasannavenkatesan, "Photoluminescence of Reactive Plasma Synthesized ZrO_2 Nanoparticles", International journal of Advanced Engineering and Research Development – National Conference on Nanomaterials, Vol. 4 Issue. 6, 2017.
34. G Ramakrishna, ShashidharKasthala, GKD PrasannaVenkatesan, "Arduino Based Automatic Vehicle Control System", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol. 2, Issue. 6, 2017.
35. G Ramakrishna, ShashidharKasthala, GKD PrasannaVenkatesan, "Relevance of Ocean Thermal Energy Conversion in Maritime Applications", International Journal of Scientific Research in Science and Technology, Vol. 3, Issue. 8, 2017.
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38. M Pachiyaannan, GKD Venkatesan,"LTE 4600 MIMO Antenna: Design and Optimization", Asian Journal of Research in Social Sciences and Humanities, Vol. 7, Issues. 3, pp. 802-811, 2017.
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41. GKD Prasanna Venkatesan, T Ranjitha, C Shimona Neethi, S Swetha, "Optimization", International Journal of Advances in Scientific Research and Engineering, Vol. 4, 2018.
42. Subramani Jegadeesan, Swaminathan Sri Shanmugapriya, Maria Azees, Muneeswaran Dhamodaran, GKD Prasanna Venkatesan, Rathinam Praveen Kumar. "An efficient technique to improve the reliability and security of relay networks in physical layer", Journal of Web Engineering, Vol. 17, Issue. 6, pp. 2341-2359, 2018.
43. Shashidhar Kasthala, Prasanna Venkatesan GKD, "Evaluation of Channel Modeling Techniques for Indoor Power Line Communication", Springer - Progress in Advanced Computing and Intelligent Engineering, pp. 577-587, 2018.
44. J Kirubakaran, GKD PrasannaVenkatesan, S Baskar, M Kumaresan, S Annamalai, "Prediction of cirrhosis disease from radiologist liver medical image using hybrid coupled dictionary pairs on longitudinal domain approach, Springer US - Multimedia Tools and Applications, pp. 1-19, 2019.

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49. Lakshmi R. Nair, Kamalraj Subramaniam, G. K. D. Prasanna Venkatesan, P. S. Baskar & Jayasankar, “Essentiality for bridging the gap between low and semantic level features in image retrieval systems: an overview”, Journal of Ambient Intelligence and Humanized Computing, 2020.
50. Renjith V. Ravi, Kamalraj Subramaniam, G. K. D. Prasanna Venkatesan, “Low Power Area Efficient Improved DWT and AES Architectures for Secure Image Coding”, Advances in Electrical and Computer Technologies, 2020.
51. Priyanka Parvathy, Kamalraj Subramaniam, G. K. D. Prasanna Venkatesan, P. Karthikaikumar, Justin Varghese & T. Jayasankar, “Development of hand gesture recognition system using machine learning”, Journal of Ambient Intelligence and Humanized Computing, 2020.
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53. K. Baskar, G. K. D. Prasanna Venkatesan, S. Sangeetha, “A Survey of Workload Management Difficulties in the Public Cloud”, Intelligent Computing in Engineering,
54. J. Kirubakaran, G. K. D. Prasanna Venkatesan, K. Sampath Kumar, M. Kumaresan & S. Annamalai, “Echo state learned compositional pattern neural networks for the early diagnosis of cancer on the internet of medical things platform”, Journal of Ambient Intelligence and Humanized Computing, Vol. 33, Pg. No 3506-357, 2020
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Book Chapters

1. K. Gokul, J. Srikanth, G. Inbarasu, Kamalraj Subramaniam, G.K.D. Prasanna Venkatesan, “Internet of Things Based Air Pollution Monitoring and Forecasting System”, International Conference on Sustainable Communication Networks and Application, 2019.
 2. V. Linga Bharath, K.Surya, P. Varatharajan, G.K.D Prasanna Venkatesan, Kamalraj Subramaniam, “ESP Module Based Student Attendance Automation System”, International Conference on Sustainable Communication Networks and Application, 2019.
 3. Dr. G. K. D. Prasanna Venkatesan, Dr. Kamalraj Subramaniam and R. Sangeetha, “Review on 5G Healthcare Using IoT Based Sensor Devices”, Bioscience Biotechnology Research Communications, 2019.
 4. Dr. Sundar Prakash Balaji Muthusamy, Dr.Jayabharathy Raju, Dr. Kamalraj Subramaniam and Dr. G.K.D. Prasanna Venkatesan, “Machine Learning Approach for Classifying Skin Cancer Using Moth Flame Optimization Based Cascade Network”, Bioscience Biotechnology Research Communications, 2019.
 5. Sharumathy, Dr.Kamalraj Subramaniam and Dr.G.K.D.Prasanna Venkatesan, “A Review of Pulse Diagnosis System”, Bioscience Biotechnology Research Communications, 2019.
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