

Dr. V. VIJAYALAKSHMI

Associate Professor

Pondicherry Engineering College

Puducherry

E- Mail: vvijizai@pec.edu

Contact: 9443958141



ACADEMIC QUALIFICATIONS:

COURSE	BOARD/UNIVERSITY	MONTH & YEAR OF PASSING	PERCENTAGE OF MARKS & CLASS
MATRICULATION	State Board, Tamilnadu	May 1984	74 % First Class
HIGHER SECONDARY	Board of Higher Secondary Exams, Tamil Nadu	May 1986	88.42% First Class with Distinction
B.Tech., (Electronics & Communication Engineering)	Pondicherry University, Pondicherry	May 1990	75.86 % First Class with Distinction
M.Tech., (Electronics & Communication Engineering)	Pondicherry University, Pondicherry	February 2001	8.84 CGPA First Class with Distinction, Topper
PhD (Electronics & Communication Engineering)	Pondicherry University, Pondicherry	January 2009	Area: Cryptography and Wireless Security Commendable

Area of Specialization

- Wireless Communication
- Networks Security
- Cryptography
- VLSI
- ASIC

Working Experience :(29years)

ORGANIZATION	DESIGNATION	PERIOD
Pondicherry Engineering College	Associate Professor	08/03/2012 to Till Date
Pondicherry Engineering College	Assistant Professor	08/03/2002 to 08/03/2012
Women's Polytechnic, Pondicherry	Lecturer	31/01/94 To 07/03/2002
Motilal Nehru Government Polytechnic, Pondicherry	Lecturer	4/12 /92 To 30/ 01/94
Adhiparasakthi Engineering College	Lecturer	20/12/90 To 2/12/92

Programmes Conducted

S. No	Name of the program	Level	Sponso rs	Date	No. of Participants	Role
1.	Information Security	National	DIT	13/11/2006 to 24/11/2006	60	Co-Ordinator
2	Security in Wireless Heterogeneous Networks- Issues and Challenges	National	AICTE	15/04/2013 to 25/04/2013	60	Co- Ordinator
3	Security in Wireless Sensor Networks	National	TEQIP	11/11/2013 to 15/11/2013	60	Co- Ordinator
4	International Conference on Communication Security	International	TEQIP	17/03/2016 to 19/03/2016	200	Program Secretary
5	5G mmWave Radio Transmission for Ultra-High-Speed Wireless Technologies	National	AICTE- QIP	13/11/2017 to 17/11/2017	40	Co- Ordinator

Research Guidance:

Degree	Awarded	No. of Scholars Pursuing
Ph. D	4	3
M. Tech	25+	2
B. Tech	50+	3

Papers Published:

International Journals: 71 Nos

International and National Conferences: 57 Nos

List of Publications:

Journals

1. R. Sharmila and V. Vijayalakshmi, "Hybrid key management scheme for heterogeneous wireless sensor networks ", *International Journal of Knowledge Engineering and Soft Data Paradigms*, vol. 6, No. 2, pp, 95-109, September 2019. (Inderscience)
2. Tamizhselvan. C and Dr. V. Vijayalakshmi, "Secure and Authenticated Naming Scheme for IoT Devices in Heterogeneous Networks", *International Journal of Innovative Technology and Exploring Engineering*, Vol. 08, Issue-10, pp 3815- 3820, August 2019.
3. M.SunilBabu and Dr. V. Vijayalakshmi, " A Review on Acute/Sub-Acute Ischemic stroke lesion segmentation and registration challenges ", *Multimedia tools and applications*, (SPRINGER) *SCI*, vol-78, no.2, pp. 2481-2506, 2019.
4. M.SunilBabu and Dr. V. Vijayalakshmi, " A Hybrid Approach for Sub-Acute Ischemic Stroke Lesion Segmentation Using Random Decision Forest and Gravitational Search Algorithm ", *Current Medical Imaging Reviews*, (BENTHAM SCIENCE) *SCI*, vol-15, no.02, pp. 170-183, 2019.
5. M.SunilBabu and Dr. V. Vijayalakshmi, "An Effective Approach for Sub-Acute Ischemic Stroke Lesion Segmentation by Adopting Meta-Heuristics Feature Selection Technique along with Hybrid Naive Bayes and Sample-Weighted Random Forest Classification", *Sensing and Imaging*, (SPRINGER) *SCOPUS*, vol-20, no.01, pp.1-24 (online),2019.

6. M.SunilBabu and Dr. V. Vijayalakshmi, "Automatic segmentation of sub-acute ischemic stroke lesion by using DTCWT and DBN with parameter fine tuning", *Evolutionary Intelligence, (SPRINGER) SCOPUS*, vol-20, no.01, pp.1-12 (online),2019.
7. C. Tamizhselvan and Dr. V. Vijayalakshmi, "An Energy Efficient Secure Distributed Naming Service for IoT", *International Journal of Advanced Studies of Scientific Research*, Vol. 3, No.8, 2018. (Abstracted and Indexed in Elsevier- SSRN)
8. P. Vijayakumar, V. Vijayalakshmi, R. Rajashree, Increased Level of Security Using DNA Steganography, "*International Journal of Advanced Intelligence Paradigms*", Vol.10, no. ½, 2018. (SCOPUS Indexed).
9. M.SunilBabu and Dr. V. Vijayalakshmi, "A Crossbred Approach for Effective Brain Stroke Lesion Segmentation", *International Journal of Intelligent Engineering & Systems, (ELSEVIER) SCOPUS*, vol-11, no.01, pp. 286-295, 2018.
10. R. Sarala, G. Zayaraz and V. Vijayalakshmi, " Risk Aware Intelligent system for Insider Threat Detection" *International Journal of Data Analysis Techniques and Strategies*, Vol. 9, No. 4, December 2017.
11. D. Sivaiah, Krishna Naik. D and Dr.V. Vijayalakshmi, "Structure- Modulated Sapre Representation to improve the performance of Sparsity- Based Image Super-Resolution", *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 5, Issue 11, Pp. 8722-8726, November 2016. ISSN 2278-8875.
12. P. Vijayakumar, V. Vijayalakshmi, and G. Zayaraz, "An Improved Level of Security for DNA Steganography Using Hyperelliptic Curve Cryptography", *Wireless Personal Communication*, Vol. 89, Issue 4, pp. 1221-1241, August 2016(Springer, SCOPUS Indexed)
13. R.Divya, V.Vijayalakshmi, "Secure And Efficient Multibiometric Fusion Based Cryptosystem Using Blind Separation Encryption", *International Journal of Biometrics*, Vol. 8, No. 2, 2016. Print ISSN: 1755-8301 Online ISSN: 1755-831X.
14. R.Divya and Dr. V.Vijayalakshmi, "Multibiometric Cryptosystem with Feature level fusion Using Hard Fuzzy Logic",*International Journal of Communication Technology for Social Networks, Science & Engineering Research Support Society (SERSC)*.
15. R.Sharmila and V.Vijayalakshmi, "An energy efficient routing protocol using hybrid evolutionary algorithm in wireless sensor networks", *International Journal of Knowledge Engineering and Soft Data Paradigms, Inderscience publication*, vol.5, No.3/4, pp.285-301, 2016. (ACM Digital Library)
16. R. Ramsagar Reddy, Krishna Naik Dungavath and Dr. V. Vijayalakshmi, "High-Speed and Energy Efficient Carry Skip Adder using Skip Logic," *International Journal & Magazine of Engineering Technology, Management and Research*, vol.3, no.7, pp.01-05, July 2016
17. K. Runisha, Krishna Naik Dungavath and Dr. V. Vijayalakshmi, "Design and Optimization of a Fixed Point LMS Adaptive Filter for Reduced Area and Less Delay

Applications,” *ITSI Transactions on Electrical and Electronics Engineering*, vol.4, no.1, pp.14-18, October 2016.

18. R.Sharmila and V.Vijayalakshmi, “Remote User authentication Scheme for Hierarchical WSNs”, *International Journal of Computer Science and Information Security (IJCSIS)*, USA, vol.14, no. 12, December 2016. (Scopus & Thomson Reuters).
19. Krishna Naik Dungavath and Dr. V. Vijayalakshmi, “Analysis of an Efficient 64-bit Carry Select Adder with Less Delay and Reduced Area Applications,” *International Journal of Applied Engineering Research*, vol.11, no.4, pp.2287-2290, December 2016, (Scopus Indexed).
20. Krishna Naik Dungavath and Dr. V. Vijayalakshmi, “Design and Performance Analysis of 64-bit Multiplier using Carry Select Adder and its DSP Applications using Cadence,” *International Journal of Innovations in Engineering & Technology*, vol.7, no.45, pp.328-335, December 2016.
21. Hemamalini.V, Dr. Zayaraz G, Dr.Vijayalakshmi V, “Efficient Authentication based IP Configuration for MANETS using Elliptic Curve Digital Signature Algorithm”, *International Journal of Control Theory and Applications*, pp. 531-545, 2016.
22. R.Sarala, G.Zayaraz, V.Vijayalakshmi, “Fuzzy cognitive map-based reasoning for prediction of multi-stage attacks in risk assessment”, *International Journal of Intelligent Engineering Informatics, Inderscience*, Vol. 4, No. 2, pp. 151-167, 2016 (ACM Digital Library).
23. R.Divya, V. Vijayalakshmi, “Multilevel watermarking Technique for Securing Multibiometric Templates using DTCWT and SVD”, *International Journal of Image Mining, Inderscience Publishers*, December 2016. (Inderscience Publishers)
24. R.T.Chaitra, Krishna Naik Dungavath and Dr. V. Vijayalakshmi, “Near-optimal Performance with A Significant Reduction in The Complexity for MIMO SC-FDMA System,” *International Journal of Advanced Research in Electrical Electronics and Instrumentation Engineering*, vol.5, no.11, pp.8594-8601, November 2016.
25. Krishna Naik Dungavath and Dr. V. Vijayalakshmi, “Implementation of High-Speed Power Combinational and Sequential Circuits Using Reversible logic,” *IOSR Journal of VLSI and Signal Processing*, vol.6, no.1, pp.19-25, February 2016.
26. R.Divya, V.Vijayalkshmi , “Secure and Efficient Multibiometric Fusion based Cryptosystem using Blind Separation Encryption”, *International journal of Biometrics*, Vol. 8, Issue 2, pp. 97-114, January 2016 (Inderscience Publishers)
27. Hemamalini.V, Dr. Zayaraz G, Dr.Vijayalakshmi V, Rank Propagated Secured Path Selection Technique for Mobile Ad Hoc Networks (MANET), *International Journal of Knowledge Engineering and Soft Data Paradigms (IJKESDP)*, Inderscience, Vol. 5, Nos. 3/4, pp 205-221, 2016.
28. R.Sharmila and V.Vijayalakshmi “Hybrid Key Management Scheme for Wireless Sensor Networks”, *SERSC-International Journal of Security and its Application*,

- Australia, vol.9, no.11, pp.125 -132, November 2015, ISSN: 2319 7064. (Scopus indexed)
29. P. Vijayakumar, V. Vijayalakshmi, G. Zayaraz, "Hybrid secure GSM architecture using DNA computing-based Hyperelliptic Curve Cryptography", *Inderscience - International Journal of Electronics Security and Digital Forensic*, vol.2, No.7, pp. 105-118, June 2015. ISSN: 1751-9128 (SCOPUS indexed).
 30. P.Vijayakumar, V. Vijayalakshmi, G. Zayaraz, "An Enhanced Mutual Authentication Scheme using Hyperelliptic Curve Cryptography for Smart Card", Research India Publication - *International Journal of Applied Engineering Research, India*, vol.10, No. 1, pp. 1271-1284, May 2015. ISSN: 0973-4562 (Print) and ISSN : 1087-1090. (SCOPUS indexed).
 31. Krishna Naik Dungavath and Dr. V. Vijayalakshmi, "Estimation of Area Delay in Efficient Binary Adder using QCA," *Global Journal of Engineering Science and Researches*, vol.5, no.3, pp.45-61, August 2015.
 32. Krishna Naik Dungavath and Dr. V. Vijayalakshmi, "Single Phase Clock Distribution using Low Power VLSI Technology," *International Journal of Science and Research*, vol.4, no.9, pp.1799-1802, September 2015.
 33. V. Nagaraj, V. Vijayalakshmi and G. Zayaraz, "Steganography Based on Eight Pixel Pair Value Differencing Method", *International Journal of Applied Engineering Research*", vol. 10, No. 3, pp. 1997 – 2000, March 2015, ISSN 1087--1090 (Anna university- Annexure II).
 34. R. Divya and V. Vijayalakshmi, "Analysis of Multimodal Biometric Fusion Based Authentication Techniques for Network Security", *International Journal of Security and Its Applications*, vol. 9, No.4, pp.239-246, March 2015, ISSN: 1738-9976. (SCOPUS indexed)
 35. R. Divya and V. Vijayalakshmi, "A Brief Survey on Multimodal Biometric Authentication for Information Security", *Journal of Environmental Science, Computer Science and Engineering & Technology, An International Peer Review E-3 Journal of Sciences and Technology*, vol.4, No.2, pp. 140-148, March 2015. E-ISSN: 2278–179X.
 36. K.Santhi, G.Zayaraz, V.Vijayalakshmi," Resolving Aspect Dependencies for Composition of Aspects", *Arabian Journal for Science and Engineering*, Springer Berlin Heidelberg, vol. 40, Issue 2, pp 475-486, February 2015. ISSN: 1319-8025.
 37. V. Hemamalini, G. Zayaraz and V. Vijayalakshmi, "An Enhanced Trust Management Framework for MANET using Fuzzy Prediction Mechanism." *International Journal of Security and Its Applications*, vol. 9, No. 1, pp. 11-24, January 2015. ISSN: 1738-9976.

38. R.Sarala, G.Zayaraz, V.Vijayalakshmi, S. Aravindanne, "Prediction of Insider Threats for Effective Information Security Risk Assessment", *International Journal of Applied Engineering Research*, Vol. 10, No. 20, pp. 19033-19036, 2015, (SCOPUS).
39. R.Sharmila, Vijayalakshmi V., "A Novel Secure Key Management Scheme For Wireless Sensor Networks Using Post Deployment Knowledge", *International Journal of Science and Research*, vol.3, Issue 9, September 2014. ISSN: 2319-7064.
40. R.Sharmila, Vijayalakshmi V on the topic of "Hybrid Key Management Scheme for WSNs", *International Journal of Security and its Application*, Vol.9, No.11, pp.125 to 132, September 2014, ISSN :2319 7064.(Scopus indexed)
41. Krishna Naik Dungavath and V.Vijayalakshmi and, "VLSI Design of Fast Arithmetic Operations Using QSD Adder For Better Performance" *International Journal of Scientific Engineering And Technology Research*, vol.3, Issue 20, pp.4139-4142, September 2014. ISSN:2319-8885
42. Krishna Naik Dungavath and V.Vijayalakshmi and, "Analysis Of Low Power, Area-Efficient and High Speed Multiplier Using Fast Adder", *International Journal of Innovative Science (IJISCT)*, Engineering and Technology, vol.1, Issue 4, pp.317-322, June 2014. ISSN: 2348-7968.
43. G.Zayaraz, J.Kanchana Devi, V.Vijayalakshmi and V.Hemamalini, "Mobility Management in Heterogeneous Wireless Networks", *International Journal of Research in Engineering and Technology*, vol.3, special issue.7, pp. 761-768, May 2014. ISSN:2321-7308.
44. VijayakumarP, VijayalakshmiV., Zayaraz G., "Comparative Study of Hyperelliptic Curve Cryptosystem over Prime Field and Its Survey", *International Journal of Hybrid Information Technology*, vol.7, no.1, pp.137-146, January 2014. ISSN: 1738-9968.
45. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, "Overview of Digital Steganography Methods and Its Applications", *International Journal of Advanced Science and Technology*, vol.60, pp.45-58, November 2013. ISSN:2005-4238
46. R. Divya and Dr.V. Vijayalkshmi, "Multibiometric Fusion based Authentication with Session Key Generation for secure communication", *International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Environment*, Vol. 01, Issue 8, Pp 1-7, Nov 2013. ISSN 2321-5526
47. R.Sharmila., P.C.Gopi, Dr. V. Vijayalakshmi, "A Survey of Key Management Schemes in Wireless Sensor Networks", *International Journal of Computer and Organization Trends*, vol.3, Issue 9, October 2013. ISSN:2249-2593
48. P. Vijayakumar, V. Vijayalakshmi and G. Zayaraz, "Enhanced Level of Security using DNA Computing Technique with Hyperelliptic Curve Cryptography", *ACEEE International Journal of Network Security (IJNS)*, vol. 1, no. 1, pp.1-5, July 2013. ISSN:4.1.6

49. R.Sharmila, Vijayalakshmi V on the topic of “A New Age Architecture and streamlined energy sensor routing scheme using Indigenously Developed Green energy relative direction based sensor routing scheme,*CiiT international Journal*, Vol.5, no.7, July 2013.
50. S. Kalpana, P. Vijayakumar, V.Vijayalakshmi and G. Zayaraz, “ An Optimized Broadcasting Algorithm for AODV based Mobile Adhoc Network”, *International Journal of Scientific and Engineering Research*, vol. 4, no. 5, pp. 1753-1757, May 2013. ISSN:2229-5518
51. P. Sandhya, P. Vijayakumar, V.Vijayalakshmi and G. Zayaraz, “ A Novel mutual authentication Scheme using Hyperelliptic Curve Cryptography for GSM Networks”, *International Journal of Systems , Algorithms and Applications*, vol. 3, no. 13, pp.17 - 20, April 2013.ISSN: 2277-2677.
52. Krishna Naik Dungavath, and Dr.V.Vijayalakshmi and “Miniature Improved Carry Select Adder With Advance Features and Power Requirements”, *International Journal of Electronics Signals and Systems (IJESS)*, vol.3, Issue 2, pp.48-52, 2013. ISSN: 2231-5969.
53. V. Nagaraj, V. Vijayalakshmi and G. Zayaraz, “Modulo Based Image Steganography Technique against Statistical and Histogram Analysis”, *International Journal of Computer Applications*, Special Issue on Network Security and Cryptography, USA, vol. 4, pp. 34-39, Dec 2011. ISSN:0975-8887
54. G.Zayaraz, V. Vijayalakshmi, L. Mary Shymala and V.Nagaraj, “A Secure Steganography Method in Low Dynamic Range Images”, *CiiT International Journal of Digital Image Processing*, India, vol. 3, no. 20, Dec 2011. ISSN:0974-9691
55. P. Vijayakumar, V.Vijayalakshmi and G. Zayaraz, “DNA Computing based Elliptic Curve Cryptography”, *International Journal of Computer Applications*, USA, vol.36,no.4, pp.18 -21, Dec 2011. ISSN:0975-8887
56. V.Vijayalakshmi, G. Zayaraz and A. Nagarajan, “Fingerprint Authentication Using Spectral Representation of Minutiae Subsets”, *International Journal of Systems Simulation*, vol. 5, no. 1, pp. 63-66, June 2011. ISSN:0975-2080
57. G. Zayaraz, V. Vijayalakshmi, M. Venkatesan, “Quantitative Analysis of Service Oriented Architecture”, *CiiT International Journal of Software Engineering and Technology*, vol. 3, no. 5, May 2011.
58. S.PradheepKumar,V. Vijayalakshmi and G. Zayaraz, “Implementation of Pseudo Random Route –Driven ECDH Scheme for Heterogenous Sensor Networks”, *International Journal of Communication Networks and Information security*, vol. 2, no. 1, pp.1-7, April 2010.

59. V. Vijayalakshmi, G. Zayaraz and V. Nagaraj, "An Image Steganography Algorithm against Histogram and Statistical Analysis", *CiiT International Journal of Networking and Communication Engineering*, vol. 2, no. 2, pp. 42-49, Feb. 2010. ISSN:0974-9713
60. S.Vijayalakshmi, G. Zayaraz, and V.Vijayalakshmi, "Multicriteria Decision Analysis Method for Evaluation of Software Architectures", *International Journal of Computer Applications*, vol. 1, no. 25, pp. 1-6, Feb. 2010. ISSN:0975-8887
61. G.Zayaraz, S.Vijayalakshmi and V.Vijayalakshmi, "Evaluation of Software Architectures using AHP and Revised AHP Methods", *Journal of Software Engineering and Technology*, vol.1, no.2, pp.71-74, Dec. 2009. ISSN:0975-6159
62. V.Vijayalakshmi and T.G.Palanivelu, "Secure Localization Using Elliptic Curve Cryptography in Wireless Sensor Networks", *International Journal of Computer Science and Network Security*, Korea, vol. 8, no. 6, pp. 255-261, June 2008.
63. V.Vijayalakshmi and T.G.Palanivelu, "Secure Antnet Routing Algorithm for Scalable Ad hoc Networks Using Elliptic Curve Cryptography", *Journal of Computer Science*, USA, vol. 3, pp. 939-943, Dec. 2007. ISSN:1549-3636
64. V.Vijayalakshmi and T.G.Palanivelu, "Mutual Authentication and Session Key Management for Cluster Based Ad hoc Networks Using Elliptic Curve Cryptography", *International Journal of Computing and Applications*, vol. 2, no. 2, pp. 185-192, Dec. 2007.
65. V. Hema Malini, G. Zayaraz, V. Vijayalakshmi, "An Enhanced Trust Management Framework for MANET using Fuzzy Prediction Mechanism", *International Journal of Security and its Applications* (SCOPUS INDEX), Vol.9, No.1, January (2015), pp.11-24.
66. Dr. G. Zayaraz, Dr. V. Vijayalakshmi, L. Mary Shyamala and V. Nagaraj, "A Secure Steganography Method in Low Dynamic Range Images," *CiiT International Journal of Networking and Communication Engineering*, vol. 03, no 20, pp.1-4, December 2011.
67. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, "Modulo Based Image Steganography Technique against Statistical and Histogram Analysis," *International Journal of Computer Applications, Special Issue on "Network Security and Cryptography"*, vol. 4, no 6, pp.34-39, December 2011.
68. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, "Overview of Digital Steganography Methods and Its Applications," *International Journal of Advanced Science and Technology*, vol.60, no 2, pp. 45-58, June 2013. (SERSC, Australia)
69. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, "Steganography Based on Eight Pixel Pair Value Differencing Method," *International Journal of Applied Engineering Research*, vol. 10, no 3, pp.1997-2000, March 2015. (SCOPUS)

70. P. Vijayakumar, V. Vijayalakshmi, R. Rajshree “Increased Level of Data Security using DNA Steganography”, Elsevier -*Future Generation Computer Systems - The International Journal of Grid Computing and eScience*, North-Holland, vol. 64, 2016. ISSN: 0167-739X (Accepted).
71. P. Vijayakumar, V. Vijayalakshmi and G. Zayaraz, “DNA based Digital Password Authentication Scheme using Hyperelliptic Curve Cryptography for Smart Card”, *ACEEE - International Journal on Recent Trends in Engineering & Technology*, USA. ISSN: 2152-5072

Conferences

1. C.Tamizhselvan, and Dr.V.Vijayalakshmi, “ Enhanced Routing Protocol for Internet of Things using Dynamic Minimum Rank Hysteresis Objective Function” International Conference on Intelligent Data Communication Technologies and Internet of Things, September 2019. (Springer)
2. S.Soumiya and V. Vijayalakshmi, “Detection of Mycardial Infraction using Convolutional Neural Network”, IEEE International conference on Innovations in Communication, computing and Instrumentation, March 2019.
3. V. Akshaya Keerthi and V. Vijayalakshmi, “Colour based segmentation of satellite images for precision farming using artificial neural networks”, IEEE International conference on Innovations in Communication, computing and Instrumentation, March 2019.
4. C.Tamizhselvan, G. Suriya and Dr.V.Vijayalakshmi, “Efficient and Secured Distributed Naming Service for Internet of Things” International Conference on Advanced Scientific Innovation in Science, Engineering and Technology (ICASISSET – 2018) organized by Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, during 11 to 13 April 2018.
5. Sunil BabuMelingi, Dr.V.Vijayalakshmi “A Hybrid Approach For Detection Sub-Acute Ischeme using GSA with RDF” in International Conference on Advanced Sceintific Innovation in science, Engineering and Technology (ICASISSET – 2018) organized by Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, during 11 to 13 April 2018.
6. M.Thamizhselvi, Sunil BabuMelingi, Dr.V.Vijayalakshmi, “A HYBRID APPROACH FOR DETECTION SUB-ACUTE ISCHEMIAUSING GSA WITH RDF”, *International Conference on Advanced Scientific Innovation in Science, Engineering and Technology (ICASISSET – 2018)*, pp 318-322, 2018
7. Sunil BabuMelingi, R.Punitha Lakshmi and Dr.V.Vijayalakshmi “ KFCM Algorithm for Effective Brain Stroke Detection through SVM Classifier”- *IEEE- International Conference on System, Computation, Automation and Networking (ICSCA)*, pp.1-6, 2018.
8. Sunil BabuMelingi, R.Punitha Lakshmi, Dr.V.Vijayalakshmi, “Voxel based Lesion Segmentation through SVM Classifier for effective Brain Detection”- *IEEE-*

International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET),2017.

9. Hemamalini.V, V.Susmitha, Dr. Zayaraz G, Dr.Vijayalakshmi V, An Efficient Probabilistic Authentication Scheme for Converging VANETs , *Second International Conference on Recent Trends and Challenges in Computational Models (ICRTCCM-17)*, February 3rd and 4th , 2017, University College of Engineering Tindivanam, Tindivanam, India.
10. Hemamalini.V, Dr. Zayaraz G, Dr.Vijayalakshmi V, Efficient Authentication based IP Configuration for MANETS using Elliptic Curve Digital Signature Algorithm, *First International Conference on Recent Trends and Challenges in Computational Models (ICRTCCM-16)* , February 11th to 13th ,2016, University College of Engineering Tindivanam, Tindivanam, India.
11. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, “Chi Square Steganalysis on Block Based Pixel Pair Value Differencing Method”, *International Conference on Communication and Security (ICCS'16)*, Pondicherry Engineering College, Puducherry, India. March 17-19, 2016. pp. 412-417.
12. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, “Chi Square Steganalysis on Block Based Pixel Pair Value Differencing Method,” *International Conference on Communication and Security*, Pondicherry Engineering College, vol. 01, no 18, pp.412-417, March 2016.
13. R.Sharmila, Vijayalakshmi V, on An Energy Efficient Routing Protocol using Hybrid Evolutionary Algorithm in Wireless Sensor Networks, *International Conference on Communication and Security*, sponsored by TEQIP on 17th -19th March 2016.
14. Krishna Naik Dungavath and Dr. V. Vijayalakshmi, “Design and Implementation of Adder-Subtractor for Low Power Applications,” *International Conference on Communication and Security*, pp.18-22, March 2016, India.
15. V. Hema Malini, G. Zayaraz, V. Vijayalakshmi, Rank Propagated Secured Path Selection Technique for Mobile Ad Hoc Networks (MANET), *International Conference on Communication and Security – ICCS 2016*, March 17,18 and19,2016, Pondicherry Engineering College, Puducherry, India.
16. R.Sharmila, Vijayalakshmi V, on Hybrid Key management Scheme for heterogeneous Wireless Sensor Networks, *International Conference on Communication and Security*, sponsored by TEQIP on 17th -19th March 2016.
17. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz,” RS Steganalysis on Block Based Octal Pair Pixel Value Differencing Method,” *International Conference on Signal Processing, Communication, Power and Embedded System*, vol. 01, no 01, pp.1-4, October 2016. (*IEEE xplore*)
18. R.Sarala, G.Zayaraz, V.Vijayalakshmi and S.Aravindanne, “Prediction of Insider Threats for Effective Information Security Risk Assessment”, *IEEE Sponsored 2nd*

International Conference on Innovations in Information Embedded and Communication Systems, pp.489-492, vol 10, no. 20, 2015. ISSN: 0973-4562.

19. Dr.V.Vijayalakshmi and R.Athilakshmi, "Seamless vertical handoff algorithm for WWANs and WLANS overlay networks", *Fourth International Conference on Communication and Signal Processing*, April 2015.
20. R.Sharmila, Vijayalakshmi V, on Hierarchical Key Management Scheme using HECC in WSNs, *IEEE conference on ICSCN*, Chennai, India, 26-28 March 2015.
21. V. Vijayalakshmi, R. Divya and G. Aswini, "Efficient Multibiometric Cryptosystem using Hard Fuzzy Logic," *IEEE International Conference on Innovations in Information, Embedded and Communication Systems*, March 2015.
22. R.Sarala, G.Zayaraz, V. Vijayalakshmi, "Optimal Selection of Security Countermeasures for Effective Information Security", *Springer International Conference on Soft Computing System (ICSCS-2015)*, pp.142-150, 2015.
23. R.Sarala, G.Zayaraz, V.Vijayalakshmi and E.Priyanka, "Risk Intelligence Retrieval Based on Ontology", *IEEE International Conference on Computational Intelligence and Computing Research (IEEE ICCIC)*, pp. 247-251, December 2014. ISBN: 4799-3974-9.
24. G. Zayaraz, V. Vijayalakshmi, J. Kanchana Devi, V. Hemamalini, "Mobility Management in Heterogeneous Wireless Networks", *First International Conference on Trends in Technology for Convergence*, April 8 and 9, 2014, AVS Engineering College, Salem, Tamilnadu, India.
25. R.Sarala, G.Zayaraz, V.Vijayalakshmi and R.Sivaranjani, "Modeling Causally Dependent Events using Fuzzy Cognitive Maps", *IEEE International Conference on Computational Intelligence and Computing Research (2014 IEEE ICCIC)*, pp. 243-246 , December 2014. ISBN: 4799-3974-9.
26. K.Jayapragash, V. Vijayalakshmi, "Dual Tree Complex Wavelet Transform Based Data Hiding Technique for Steganography", *International Conference on Advanced Research in Engineering and Technology (ICARET-2014)*, pp. 132-135, April 2014. ISBN: 9089A80-6-5.
27. P. Vijayakumar, V. Vijayalakshmi and R. Rajashree "Increased Level of Security using DNA Steganography", *First International Symposium on Big Data and Cloud Computing Challenges*, pp. 41-47, March 2014.
28. P. Vijayakumar, V.Vijayalakshmi and G. Zayaraz "DNA based Password Authentication Scheme using Hyperelliptic Curve Cryptography for Smart Card",

Fifth International Conference on Recent Trends in Information, Telecommunication and Computing, India, pp. 517-525, March 2014.

29. V. Hema Malini, G. Zayaraz, V. Vijayalakshmi, Kalaiarasi, An Enhanced Trust Management Framework for MANET using Fuzzy Prediction Mechanism, *First International Conference on Trends in Technology for Convergence*, April 8 and 9, 2014, AVS Engineering College, Salem, Tamilnadu, India
30. P.C. Gopi, R. Sharmila, Dr. V. Vijayalakshmi “A New Age Architecture and streamlined energy Sensor routing using Indigenously Developed Green Energy Saving Algorithm”, *IEEE conference on Green Computing, Communication and Conservation of Energy*, Chennai, India, 12-14 Dec 2013.
31. Dr.V.Vijayalakshmi, R.Divya and K.Jaganath “Finger And Palmprint Based Multibiometric Authentication System With GUI Interface”, *International Conference on Communication & Signal Processing*, 3rd to 5th April 2013.
32. V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, “Color Image Steganography based on Pixel Value Modification Method Using Modulus Function”, *International Conference on Electronic Engineering and Computer Science, Published by Elsevier B.V.*, IERI Procedia, vol.4, pp.17 – 24. ISSN: 2212-6678. 2013
33. Gopi.P.C, Sharmila. R, Dr. V.Vijayalakshmi, “A New Age Architecture and Streamlined Energy Sensor Routing Scheme using Indigenously Developed Green Energy Saving Algorithm”, *International Conference on Green Computing, Communication and Conservation of Energy (ICGCE)*, IEEE, pp. 106-111, July 2013.
34. Krishna Naik Dungavath and Dr. V. Vijayalakshmi, “Miniature Improved Carry Select Adder with advance features and Power Requirements,” *International Conference on Recent Trends in Electrical and Electronics Engineering*, pp. 6-9, July 2013.
35. V.Vijayalakshmi and Krishna Dungavath, “Miniature Improved Carry Select Adder with Advance Features and Power Requirements”, at the *International Conference on Recent Trend in Electrical and Electronics Engineering (RTEEE)*, July 2013.
36. P. Vijayakumar, V.Vijayalakshmi and G. Zayaraz “Implementation of Elliptic Curve Cryptography on Smart Card for Password Authentication”, *International conference on Emerging Marvels in Information and Computer Science Engineering, India*, pp. 1-4, February 2013.
37. **P. Vijayakumar, V.Vijayalakshmi and G. Zayaraz “A Novel Mutual Authentication Scheme using Hyperelliptic Curve Cryptography for GSM Network”, *Second International Conference on Applied Sciences and Engineering, India*, pp. 17-20, March 2013.**
38. **V. Nagaraj, Dr. V. Vijayalakshmi and Dr. G. Zayaraz, “Color Image Steganography based on Pixel Value Modification Method Using Modulus Function, ” *International Conference on Electronic Engineering and Computer Science, Published by Elsevier B.V.* , IERI Procedia, vol.4, pp.17 – 24, November 2013.**

39. V. Vijayalakshmi, G. Zayaraz and T. Gomathi, "Efficient Key Predistribution Scheme for Wireless Sensor Networks using HECC", *Proceedings of International Conference on Computing, Communication and Networking*, pp. 107 – 112, Feb. 2012.
40. V. Vijayalakshmi, G. Zayaraz and T. Sangeetha, "Energy Efficient Routing Algorithm for Sensor Networks", *Proceedings of Fourth International Conference on Information Processing, India*, pp. 291-298, Aug. 2010
41. P. Vijayakumar, V. Vijayalakshmi and R. Rajashree, "An Efficient Implementation of Elliptic Curve Cryptography for Smart Card Application", *Proceedings of the International Conference on Computing, Communication and Information Technology Applications*, pp. 194-203, India, Jan. 2010. (ISBN:978-81-909789-0-3)
42. P. Vijayakumar and V. Vijayalakshmi, "Effective Key Establishment and Authentication Protocol for Wireless Sensor Networks Using Elliptic Curve Cryptography", *Proceedings on Mobile And Pervasive Computing*, pp. 151-156, Aug. 2008.
43. V Vijayalakshmi, G. Zayaraz and V. Nagaraj, "A Modulo Based LSB Steganography Method", *Proceedings of the International Conference on Control, Automation, Communication and energy Conservation*, India, pp.318-321, June 2009.(Indexed in IEEE Explore).
44. G.Zayaraz, V.Vijayalakshmi and D. Jagadiswary, "Securing Biometric Authentication using DNA sequence and Naccache Stern Knapsack Cryptosystem", *International Conference on Control, Automation, Communication and energy Conservation*, pp.382-386, June 2009.(Indexed in IEEE Explore).
45. P.Vijayakumar, R.Rajashree, T.Umaya, S.Lavanya, M.Devi and V.Vijayalakshmi, "A Proposed Energy Efficient Secured Routing Protocol for Homogenous and Heterogenous Wireless Sensor Network Using Elliptic Curve Cryptography", *Proceedings of the National Conference on Emerging Trends in Computer Science and Information Technology*, pp. 52-60, April 2009.
46. P. Vijayakumar, V. Vijayalakshmi and R. Rajashree , "A Secure High Speed Communication Scheme Using Chaotic Cryptography", *Proceedings On Network Security*, pp. 06-16, March 2009.
47. V. Nagaraj, Dr. V. Vijayalakshmi, and Dr. G. Zayaraz, "A Steganography Method Using Modulo Function", *National Conference On Cross-layer Networks And Ip Security* , Annamalai University , Chidambaram , March 21- 22, 2009.
48. E. Rajinikanth, P. Vijayakumar and V. Vijayalakshmi, "Fingerprint Combined with Elliptic Curve Cryptography", *Proceedings of the first National Conference on Cryptography and Network Security*, pp. 26-30, Feb18-19, 2009.

49. P. Vijayakumar and V. Vijayalakshmi, "An Integrated Secured Data Communication Using Visual Cryptography Technique," *Proceedings of the first National Conference on Cryptography and Network Security*, pp. 8-11, Feb 18-19, 2009.
50. V Vijayalakshmi, T.G.Palanivelu and S. Pradheepkumar, "Implementation of Pseudo-Random Route –Driven Public Key Management Scheme for Heterogenous Sensor Network", *Proceedings of the First National Conference on Cryptography and Network Security*, pp. 133-137, India, Feb. 2009.
51. V. Vijayalakshmi, T.G.Palanivelu and V. Nagaraj, "A Modulo Based Image Stegnography Algorithm against Statistical Analysis", *Proceedings of the First National Conference on Cryptography and Network Security*, pp.164-167, India, Feb. 2009.
52. V. Vijayalakshmi, T.G.Palanivelu and E. Suganya , "Secure OLSR Routing Protocol with Multipoint Relaying Technique for Sensor Networks", *Third Innovative Conference on Embedded Systems, Mobile Communication and Computing*, India, pp. 261-268, Aug. 2008.
53. V. Vijayalakshmi, T.G.Palanivelu and N. Radha, "Multipath Routing Protocol for Secure Data Transmission in Wireless Sensor Networks", *Third Innovative Conference on Embedded Systems, Mobile Communication and Computing*, India, pp. 269-276, Aug. 2008.
54. Vijayalakshmi, G. Zayaraz and N. Agalya "Secure Time Synchronization against malicious Attacks for Wireless Sensor Networks," *Proceedings of the First IEEE International Conference on Emerging Trends in Engineering and Technology*, India, pp. 218-222, 2008.
55. V.Vijayalakshmi, G.F.Sudha and T.G.Palanivelu, "Secure Web Transactions in Sockets layer Using Elliptic curve cryptography", *Proceedings of the International Conference on Information Security*, India, pp.54-59, Dec. 2005.
56. V.Vijayalakshmi, G.Zayaraz, A.Sundhar and T.G.Palanivelu, "Mutual Authentication and Session Key Management Using Elliptic Curve Cryptography for Cluster Based Adhoc Networks ", *Proceedings of the International Conference on Information Security*, India, pp.49-53, Dec.2005
57. Praveen Kumar and V.Vijayalakshmi, "A Low Complex and High Speed Elliptic Curve Arithmetic Processor for Future Mobile Devices", *Proceedings of Recent Advances in Electronics and Communication Engineering*, India, pp.1-6, June 2005.