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NAGAR CHENNAI - 600 078



Present Position

Professor, Department of Electronics and Communication Engineering, , Anna University, Chennai from November-2014.

Present Additional Responsibility

- Additional Director, Centre for Faculty Development, Anna University, Chennai from June-2013.

Previous Positions

- Associate professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during October-2008 and November-2014.
- Assistant Professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during October-2005 and September-2008.
- Lecturer Sr. Grade, Ramanujan Computing Centre, College of Engineering Guindy, Anna University, Chennai during March-2001 and September-2005.
- Lecturer, Ramanujan Computing Centre, College of Engineering Guindy, Anna University, Chennai during March-1996 and February-2001.

Previous Additional Responsibility

- Member, Ramanujan Computing Centre, Anna University, Chennai during March-1996 and April-2006.

Degree

- ❖ M.E. in ELECTRONICS AND COMMUNICATION ENGG , MADRAS INSTITUTE OF TECHNOLOGY, ANNA UNIVERSITY (1991 - 1993).
- ❖ B.Tech. in ELECTRONICS AND COMMUNICATION ENGG , MADRAS INSTITUTE OF TECHNOLOGY, ANNA UNIVERSITY (1988 - 1991).
- ❖ B.Sc. in PHYSICS , SACRED HEART COLLEGE, MADRAS UNIVERSITY (1985 - 1988).

Research Degree

- ❖ Ph.D. in COMPUTER NETWORK from Faculty of INFORMATION AND COMMUNICATION ENGINEERING, COLLEGE OF ENGINEERING, GUINDY, ANNA UNIVERSITY (2000 - 2005).
Title: PERFORMANCE ENHANCEMENT OF PROXY CACHING USING WEB OBJECTS .

Area of Specialisation

- APPLIED ELECTRONICS

Membership in Professional Organization

- ISTE – Life Member – LM27753 - India
- IETE – Life Member – M-144423 - India

Research Guidance

Number of Ph.D Scholars Guided	: 8
Number of Ph.D Scholars Guiding	: 7
Number of M.S (By Research) Students Guided	: 1
Number of M.S (By Research) Students Guiding	: 1
Number of M.E./ M.Tech. Projects Guided	: 45
Number of M.E./ M.Tech. Projects Guiding	: 5
Number of Ph.D Scholars Guided as Joint-Supervisor	: 5
Number of M.S (By Research) Students Guiding as Joint-Supervisor	: 1

Papers Published in Journals

Research Papers Published in International Journals	: 65
Research Papers Published in National Journals	: 0

1. Arifa Anwar and Dr. D. Sridharan, "A Predictive Routing Algorithm for WBSN Based on Kalman Filter Iterations", Accepted for publication in IEEE Sensors Journal,
2. Sridharan D, " Intelligent Document Classification for Web Document Retrieval", International Journal of Knowledge-Based Intelligent Information Engineering Systems and Allied Technologies, Vol. 82, pp. 796-800 (2002).
3. Sridharan D, " Intelligent Document Categorization for Information Retrieval based on Inter-connected Neurons", Iranian International Journal of Science, Vol. 4, pp. 87-96 (2003).
4. Sridharan D, " DDoS Detection in Wireless Network using OMNET++", International Journal on Systemics Cybernetics and Informatics(IJSCI), pp. 88-94 (2006).

5. Sridharan D, "VLSI Based High Speed Karatsuba Multiplier for Cryptographic Application Using Vedic Mathematics", International Journal on Systemics, Cybernetics and Informatics, pp. 46-51 (2007).
6. Sridharan D, "Internet Middle-Box Protocol: Reliable Wireless Mesh Networks using Self-Motivated Neural Network", International Journal of Engineering research and Industrial Applications (IJERIA) , Vol. 1, pp. 263-274 (2008).
7. Pavai K, Sridharan D, " Design Issues on Tree Based Aggregation Algorithms in Wireless Sensor Networks", International journal of IT and Knowledge Management, Vol. 1, pp. 449-462 (2008).
8. Sridharan D, " UML as an Architecture Description Language", International Journal of Recent Trends in Engineering and Technology, Vol. 1, Issue 2, pp. 230-232 (2009).
9. Sakthivel P, Sridharan D, Arun C, Manoj Kumar S, "Efficient FPGA Implementation of a Programmable High throughput secure Hash Algorithm using rescheduling and reutilization", Journal of Advanced Research in Computer Engineering, Vol. 3, Issue 2, pp. 233-239 (2009).
10. Neelavathi Pari S, Sridharan D, " Energy Efficient Ad hoc On Demand Multipath Distance Vector Routing Protocol", International Journal of Recent Trends in Engineering (IJRTE), Vol. 2, Issue 3, pp. 10-12 (2009).
11. Preetha E, Vadivelan M, Saranya K, D. Sridharan, " Enhancement of handoff speed by improving mobility of data packets", International Journal of Engineering and Technology (IJET), Vol. 1, Issue 2, pp. 146 - 150 (2009).
12. Christina J, Dhushanthini A, Aiswariya V.T, D. Sridharan, " An Enhanced Fast Handover Using Hierarchical Setup for Mobile IP", International Journal of Engineering and Technology (IJET), Vol. 1, Issue 3, pp. 213 - 218 (2009).
13. Manojkumar S, Sakthivel P, Sridharan D, " High Performance Hybrid Two Layer Router Architecture for FGPA using Network-On-Chip", International Journal of Computer Science and Information Security, Vol. 7, Issue 1, pp. 266-272 (2010).
14. D. Sridharan, "A Novel Identity based Deterministic Key Distribution for Wireless Sensor Network", European Journal of Scientific Research, Vol. 54, Issue 3, pp. 363-374 (2010).
15. Getsy S Sara, R. Kalaiarasi, S. Neelavathi Pari, D. Sridharan, "Energy Efficient Clustering and Routing in Mobile Wireless Sensor Network Routing Protocol", International Journal of Wireless and Mobile Networks (IJWMN), Vol. 2, Issue 4, pp. 106-114 (2010).
16. Getsy S. Sara S. Neelavathy Pari, D. Sridharan, "Performance Analysis of Contention Window Cheating Misbehaviors in Mobile Ad hoc Networks", International Journal of Computer Science & Information Technology (IJCSIT), Vol. 2, Issue 5, pp. 31-42 (2010).
17. D. Sridharan, "Hybrid Design of Scalable Key Distribution for Wireless Sensor Networks", International Journal of Engineering and Technology (IJET), Vol. 2, Issue 2, pp. 136 - 141 (2010).

18. S. Neelavathi Pari, D. Sridharan, "Evaluation and Comparison of Emerging Energy Efficient Routing Protocols in MANET", ICTACT Journal on Communication Technology, Vol. 1, pp. 37-46 (2010).
19. D. Sridharan, " Security Vulnerabilities in Wireless Sensor Networks: A Survey", Journal on Information Assurance and Security (JIAS), Vol. 5, pp. 31-44 (2010).
20. Pavai K, Sridharan D, Satya Murty S.A.V, " Estimating Energy Consumption of Wireless Sensor Node: IRIS", International Journal of Recent Trends in Engineering and Technology, Vol. 3, Issue 4, pp. 141-143 (2010).
21. Pavai K, Sridharan D, Satya Murty, S.A.V, "Energy and Link Quality Based Routing for Data Gathering Tree in Wireless Sensor Networks under TinyOS-2.x", International Journal of Wireless & Mobile Networks2, Vol. 2, Issue 2, pp. 47-60 (2010).
22. Pavai K, Sridharan D, "Latency Optimised Data Aggregation Timing model for Wireless Sensor Networks", International Journal of Computer Science Issues, Vol. 7, Issue 3, pp. 42 - 48 (2010).
23. D. Sridharan, "A Performance Comparison and Evaluation of Analysing Node Misbehaviour in MANET using Intrusion Detection System", International Journal of Computer Science & Engineering Technology (IJCSET), Vol. 1, Issue 1, pp. 35-40 (2011).
24. D. Sridharan, "Enhancement of Qos of WLAN by Improving Handoff Speed using an Efficient COA Assignment", European Journal of Scientific Research, Vol. 54, Issue 2, pp. 207-214 (2011).
25. S.Aravind Prasad,Y.R. A.Kannan, D.Sridharan, " A novel approach for handoff avoidance and QoS improvement in WLAN", International Journal of Distributed and Parallel Systems (IJDPS), Vol. 2, Issue 5, pp. 77-86 (2011).
26. D. Sridharan, "A Genetic-Algorithm-Based Optimized Clustering for Energy-Efficient Routing in MWSN", ETRI, Vol. 34, Issue 6, pp. 922-931 (2012).
27. Sridharan D, " Design of Cross Layered Security Architecture to Mitigate Misbehaving Nodes in Self-Defending Network", European Journal of Scientific Research, Vol. 77, Issue 1, pp. 37-45 (2012).
28. Sridharan D, " Design Framework of Collision avoidance and Energy Efficient MAC in MWSN", International Journal of Computer and Electrical Engineering, Vol. 4, Issue 4, pp. 542-546 (2012).
29. Sridharan D, " Development of Diagnostic Classifier for Ultrasound Liver Lesion Images", International Journal of Computer Applications, Vol. 52, Issue 18, pp. 12-15 (2012).
30. Sridharan D, " A Novel approach for diagnosing liver lesion images in telemedicine mode", Nitte University Journal of Health Science, Vol. 2, Issue 4, pp. 50-53 (2012).
31. Sridharan D, " Liver Cancer Tumor Segmentation on ultrasound Images", International Journal of Computational Intelligence and Informatics, Vol. 2, Issue 1, pp. 68-71 (2012).

32. D.Sridharan, "Mitigating Misbehaving Node Using Receiver Network Allocation Vector", International Journal of Computer and Electrical Engineering, Vol. 5, Issue 1, pp. 76-78 (2013).
33. D.Sridharan, "Optimal Resource Key Management Protocol for Clustered Heterogeneous Wireless Sensor Networks", Malaysian Journal of Computer Science, Vol. 26, Issue 3, pp. 211-231 (2013).
34. D.Sridharan, " Key Distribution Scheme Using Modulo Operation for WSN", Vol. 16, Issue 11, pp. 8213-8228 (2013).
35. Sridharan D, "Timeout Misbehavior Detection Algorithm: A Novel Method for the Detection of MANET Misbehavior", International Review on Computers and Software, Vol. 8, Issue 5, pp. 1091-1096 (2013).
36. Sridharan D, "A Novel RTS-CTS Collision Avoidance Algorithm to Reduce the Collisions and Improve the QoS in Mobile Ad hoc Network", Asian Journal of Scientific Research, Vol. 6, Issue 4, pp. 797-804 (2013).
37. Sridharan D, "Performance Improvement of Mobile Ad Hoc Network Using Particle Swarm Optimization", Journal of Computational Information Systems, Vol. 9, Issue 11, pp. 1-9 (2013).
38. Sridharan D, " Multi-Cast Supported Fast Handover for Proxy Mobile IPv6", Journal of Computer Science, Vol. 9, Issue 3, pp. 368-376 (2013).
39. D.Sridharan, " Probabilistic Key Chain Based Key Distribution Schemes for WSN", International Review on Computers and Software, Vol. 8, Issue 5, pp. 1156-1169 (2013).
40. D.Sridharan, " Transmissible Distance based Routing for Wireless Sensor Networks", International Journal of Applied Engineering Research, Vol. 9, Issue 24, pp. 26645-26660 (2014).
41. Sridharan D, " Routing in Mobile Wireless Sensor Network: A Survey", Telecommunication Systems Journal, published by Springer. Vol. 57, Issue 1, pp. 51-79 (2014).
42. D.Sridharan, " A Zero Knowledge Protocol for Authentication based on the Primitive Pythagorean Triples", Jokull journal , Vol. 64, Issue 1, pp. 58-69 (2014).
43. Sridharan D, " A 50-50 packet trade model in manet to detect misbehaving nodes by ZKP authentication protocol", Journal of Theoretical and Applied Information Technology, Vol. 66, Issue 3, pp. 851-860 (2014).
44. D.Sridharan, " Enhanced EARP Protocol for Reliable Routing in Wireless Sensor Networks", Research Journal of Applied Sciences, Engineering and Technology, Vol. 8, Issue 5, pp. 664-667 (2014).
45. Kovendan AKP and D.Sridharan, "Energy Efficient Data Acquisition system for increasing the lifetime for WSN", International Journal of Networks, Vol. 1, Issue 1, pp. 10-14 (2015).
46. R. Kumar and D. Sridharan, " A Comparative study of Cross Layer Protocols in WBAN", Australian Journal of Basic and Applied Sciences, Vol. 9, Issue 16, pp. 294-300 (2015).

47. D.Sridharan, " Implementation of Improved Network Lifetime Technique for WSN using Cluster Head Rotation and Simultaneous Reception", ICTACT Journal on Communication Technology, Vol. 6, Issue 3, pp. 1141-1145 (2015).
48. D.Sridharan, "Performance Analysis on Energy Efficient Multimedia Streaming Techniques Using Cloud Infrastructure", Advances in Natural and Applied Sciences, Vol. 9, Issue 9, pp. 24-28 (2015).
49. D.Sridharan, "Research Challenges of IEEE 802.15.6 Standard for Wireless Body Area Networks", International Journal of Applied Engineering Research, Vol. 10, Issue 5, pp. 1846-1849 (2015).
50. D.Sridharan, "A Survey on Routing Protocols for Wireless Sensor Networks in Various Environments", International Journal of Computer Applications , Vol. 112, Issue 5, pp. 13-29 (2015).
51. M. Ambigavathi and D. Sridharan, " Energy and Delay Aware Data Link Layer Protocols for Wireless Body Area Network", International Journal of Research in IT and Management(IJRIM), Vol. 6, Issue 7, pp. 184-199 (2016).
52. Kovendan, A.K.P. and Sridharan, D, "Wireless Sensor Networks Based Control Strategies for the Enhancement of Reliability in Smart Grids", Circuits and Systems, Vol. 7, pp. 2499-2506 (2016).
53. M. Ambigavathi and D. Sridharan, "Priority Based Energy Efficient Data Transmission Using Cooperative Virtual MIMO Technique in Wireless Body Area Network", International Journal of Innovation and Scientific Research (IJISR),, Vol. 24, Issue 2, pp. 417-422 (2016).
54. Sridharan D, " Implementation of low power Wireless Sensor Node with fault tolerance mechanism", SSRG International Journal of Electronics and Communication Engineering, Vol. 3, Issue 4, pp. 1-5 (2016).
55. Sridharan D, " An Optimized Radix-8 Sum to Modified Booth Recorder for FAM Design", International Journal of Advanced Research in Electronics and Communication Engineering, Vol. 5, Issue 4, pp. 1036-1041 (2016).
56. Sridharan D, " Critical Data Delivery Using TOPSIS in Wireless Body Area Networks", Circuits and Systems, Vol. 7, pp. 622-629 (2016).
57. M. Ambigavathi and Dr. D. Sridharan, "Intensifying Remote Healthcare Monitoring System using Internet of Things", International Journal of Advanced Research in Science and Engineering (IJARSE), Vol. 6, Issue 9, pp. 176-186 (2017).
58. S. Sivapriya and Dr. D. Sridharan, "A Comprehensive Review on Mac Protocol of Wireless Nano Sensor Networks for Intrabody Application", International Journal for Innovative Research in Science & Technology(IJIRST), Vol. 4, Issue 2, pp. 83-89 (2017).
59. M. Ambigavathi and Dr. D. Sridharan, "Energy Efficient and Priority Based MAC Protocols for Wireless Body Area Network: A Survey", International Journal of Advance Research Science in Engineering (IJARSE), Vol. 6, Issue 7, pp. 1162-1170 (2017).

60. R. B. Aparnaa and D. Sridharan, "Signature Based Intrusion Detection System for UWB Wireless Sensor Networks", *Advances in Natural and Applied Sciences*, Vol. 11, Issue 1, pp. 1-7 (2017).
61. M. Ambigavathi and D. Sridharan, "Critical Data Transmission using PTR Scheme for Wireless Body Area Network", *International Journal of Advanced Technology in Engineering and Science (IJATES)*, Vol. 5, Issue 6, pp. 140-151 (2017).
62. Magdalene R and Sridharan D, "Powering E-Learning through Technology: An Overview of Recent Trends in Educational Technologies", *The Online Journal of Distance Education and e-Learning*, Vol. 6, Issue 1, pp. 60-65 (2018).
63. Magdalene R and Sridharan D, "Scalable Multimedia Coding for Streaming Lecture Content in E-Learning System", *The Online Journal of Distance Education and e-Learning*, Vol. 6, Issue 1, pp. 72-77 (2018).
64. M. Ambigavathi and Dr. D. Sridharan, "Energy Efficient and Load Balanced Priority Queue Algorithm for Wireless Body Sensor Network", Accepted in *Elsevier Journal of Future Generation System*, (2018).
65. Arifa Anwar and Dr. D. Sridharan, "A Predictive Routing Algorithm for WBSN Based on Kalman Filter Iterations", Accepted for publication in *IEEE Sensors Journal*, (2018).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 49
 Research Papers Presented in National Programmes : 0

1. Ramalatha, S. and Sridharan D,, ""Scalable Multipliers for Reconfigurable architectures"" presented in a International level conference on Scalable Multipliers for Reconfigurable architectures, organised by IEEE International Conference(ICSIP),2006,Karnataka, India .
2. Balavenkatesh, B., Bala Krishnan, K.A., Ramkumar, S., Berlin Hency and Sridharan, D,, "Enhancement of QoS of VOIP over Heterogeneous Networks by Improving Handoff Speed and Throughput" presented in a International level conference on Enhancement of QoS of VOIP over Heterogeneous Networks by Improving Handoff Speed and Throughput, organised by International conference on Advances in Computing, Control and Telecommunication Technologies, India .
3. 14. V. Berlin Hency, S.Aravind Prasad, Y.R.A.Kannan, Dr. D. Sridharan, "Cognitive Handoff Avoidance and QoS Improvement in WLAN" presented in a International level conference on Cognitive Handoff Avoidance and QoS Improvement in WLAN, organised by WiMoN 2011, India .
4. Kavitha, T.,Priya, S.J.S.,Sridharan, D., "Design of deterministic key pre distribution using number theory" presented in a International level conference on Design of deterministic key pre distribution using number theory, organised by International Conference on Electronics Computer Technology (ICECT 2011), India .

5. S.Neelavathy Pari and D.Sridharan , "Mitigating Routing Misbehaviour in Self Organizing Mobile Ad hoc Network using K-neighbourhood Local Reputation System" presented in a International level conference on Mitigating Routing Misbehaviour in Self Organizing Mobile Ad hoc Network using K-neighbourhood Local Reputation System, organised by International conference on Recent Trends in Information Technology –ICRTIT 2011, India .
6. Ashutosh Dwivedi, Dr.D.Sridharan, "Design of Area - Efficient VLSI Architecture for Symbol Deinterleaver" presented in a International level conference on Design of Area - Efficient VLSI Architecture for Symbol Deinterleaver, organised by Second National Conference on Intelligent Computing and Control for Engineering Applications (NCICE'11), India .
7. D.Janaki and Dr.D.Sridharan, "Identification of Misbehavior Node in Mobile AD-HOC Network" presented in a International level conference on Identification of Misbehavior Node in Mobile AD-HOC Network, organised by of National conference on Microwave and Optical Communication (NCMOC'11), India .
8. T.Sathiya and D.Sridharan, "SCF- A Novel selfish replica allocation technique for MANET" presented in a International level conference on SCF- A Novel selfish replica allocation technique for MANET, organised by IEEE National Conference on Current Trends in Engineering and Technology (CTET'13), India .
9. A. Arunkumar and D.Sridharan, "Sender Adaptive and Receiver Driven Layered Multicasting Protocol for Scalable Video" presented in a International level conference on Sender Adaptive and Receiver Driven Layered Multicasting Protocol for Scalable Video, organised by IEEE National Conference on Current Trends in Engineering and Technology (CTET'13), Akshaya College of Engineering and Technology Coimbatore., India .
10. Nazrin Fathima. N and D.Sridharan, "Implementation of Radix-2, Radix-4 and Radix-2² FFT Architectures" presented in a International level conference on Implementation of Radix-2, Radix-4 and Radix-2² FFT Architectures, organised by National Conference on Microwave and optical Communication by Department of ECE, Alagappa Chettiar College of Engineering and Technology, Karaikudi., India .
11. Deepa S and D.Sridharan, "Design and Verification of I2C Master Core With APB Interface Using System Verilog" presented in a International level conference on Design and Verification of I2C Master Core With APB Interface Using System Verilog, organised by National Conference On Advancements in Computing Methodologies Anna University Regional Centre, Coimbatore, (NCACM14)., India .
12. M. Ambigavathi and Dr.D.Sridharan, "Priority Based AODV Routing Protocol for Critical Data in Wireless Body Area Networks" presented in a International level conference on Priority Based AODV Routing Protocol for Critical Data in Wireless Body Area Networks, organised by 3rd International Conference on Signal Processing, Communication and Networking (ICSCN 2015), India .
13. Suganya M, and Sridharan D, "Radix-2m multiplier blocks for the design of 2's complement N-bit array multiplier" presented in a International level conference on Radix-2m multiplier blocks for the design of 2's complement N-bit array multiplier, organised by National Conference on Recent Trends in Electronics and Communication, at University College of Engineering, Kancheepuram, India .

14. Divya N, Kovendan AKP and Dr. D. Sridharan, "Energy Efficient Data Acquisition System for Increasing the Lifetime of WSN" presented in a International level conference on Energy Efficient Data Acquisition System for Increasing the Lifetime of WSN, organised by International Technical Conference on Electrical, Computing Engineering and Communication, Chennai, India .
15. Arun Vasanaaperumal and Dr. D. Sridharan, "Increased Power Efficiency Technique for WSN Based on Clustering with Simultaneous Packet Reception" presented in a International level conference on Increased Power Efficiency Technique for WSN Based on Clustering with Simultaneous Packet Reception, organised by International Conference on Modelling, Simulation and Control (ICMSC - 2015), India .
16. M. Ambigavathi and Dr. D. Sridharan, "A Novel Priority Based Virtual Scheduling Algorithm for Wireless Body Sensor Network" presented in a International level conference on A Novel Priority Based Virtual Scheduling Algorithm for Wireless Body Sensor Network, organised by 2nd International Conference on Signal Processing, Control and Data Analytics (ICSCD), organized by International Society for Scientific Research and , India .
17. M. Ambigavathi and Dr. D. Sridharan, "Challenges of Energy Efficient and Priority Based MAC Protocols in Wireless Body Area Network" presented in a International level conference on Challenges of Energy Efficient and Priority Based MAC Protocols in Wireless Body Area Network, organised by IEEE 4th International Conference on Design and Manufacturing (IConDM), India .
18. M. Ambigavathi and Dr. D. Sridharan, "Energy-Aware Data Aggregation Techniques in Wireless Sensor Network" presented in a International level conference on Energy-Aware Data Aggregation Techniques in Wireless Sensor Network, organised by 1st International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEEERE-2016), India .
19. Nadesh, RK, Pavai, K, Sivagami, A and Sridharan.D, "Performance Evolution for using Ad hoc Network Model in Cellular Packet Data Networks" presented in a International level conference on Performance Evolution for using Ad hoc Network Model in Cellular Packet Data Networks, organised by IEEE International Conference on Industrial Technology (ICIT), India from 04-Jan-2007 to 06-Jan-2007.
20. "Low Power Multipliers using Vedic Mathematics" presented in a International level conference on Low Power Multipliers using Vedic Mathematics, organised by International conference on Advances in Electronics and Communications (icon ADELCO 2007),Kovilpatti, India from 01-Feb-2007 to 03-Feb-2007.
21. Ramalatha, S., Kumaravel, S. and Sridharan, D. , "A Novel Area and Time Efficient Squarer Using Vedic Mathematics for Coprocessor Applications" presented in a International level conference on A Novel Area and Time Efficient Squarer Using Vedic Mathematics for Coprocessor Applications, organised by International Conference on Machine Learning, Models, Technologies and Applications, WorldComp'07, Las Vegas,USA from 01-Jun-2007.
22. Sivagami, A., Satya Murty, S.A.V., Sridharan D. and Baldev Raj , "Performance Analysis of Routing Protocols for Wireless Sensor Networks" presented in a International level conference on Performance Analysis of Routing Protocols for Wireless Sensor Networks, organised by IEEE International Conference on Signal processing Communications and Networking (ICSCN), Chennai, India from 04-Jan-2008 to 06-Jan-2008.

23. Sivagami A., Pavai, K., Sridharan D, Satya Murty, S.A.V. , "Adaptive and Aggregation Aware Scheduling Algorithm for Event Detection Application" presented in a International level conference on Adaptive and Aggregation Aware Scheduling Algorithm for Event Detection Application, organised by International Conference on Computer Networks and Security (ICCNS 08),Pune, India from 26-Sep-2008 to 28-Sep-2008.
24. L.K.Shoba, V.Berlin Hency, Sridharan D, "Enhancing the QoS of wireless Ad hoc networks by improving the throughput" presented in a International level conference on Enhancing the QoS of wireless Ad hoc networks by improving the throughput, organised by International Conference on Machine Learning and Computing (ICMLC 2009), Perth,Australia from 10-Jul-2009 to 12-Jul-2009.
25. K. Pavai, A. Sivagami, Sridharan D, "Study of Routing Protocols in Wireless Sensor Networks" presented in a International level conference on Study of Routing Protocols in Wireless Sensor Networks, organised by International Conference on Advances in Computing, control and Telecommunications Technologies (ACT 2009), India from 28-Dec-2009 to 29-Dec-2009.
26. Getsy S Sara, R. Kalaiarasi, S. Neelavathi Pari, D. Sridharan, "Energy Efficient Mobile Wireless Sensor Network Routing Protocol" presented in a International level conference on Energy Efficient Mobile Wireless Sensor Network Routing Protocol, organised by Second International Conference on Networks and Communications (NeCoM 2010), Springer-Verlag Berlin Heidelberg,Germany from 23-Jul-2010 to 25-Jul-2010.
27. R. Kalaiarasi, Getsy S. Sara S. Neelavathy Pari, D. Sridharan,, "ANAV Timer for Detecting MAC Layer Misbehavior in MANET" presented in a International level conference on ANAV Timer for Detecting MAC Layer Misbehavior in MANET, organised by International Conference on Advances in Communication, Network, and Computing (CNC 2010),Calicut, India from 04-Oct-2010 to 05-Oct-2010.
28. R. Kalaiarasi, D. Sridharan, , "Mitigating Misbehaving Node Using Receiver Network Allocation Vector," presented in a International level conference on Mitigating Misbehaving Node Using Receiver Network Allocation Vector,, organised by International Conference on Signal Acquisition and Processing (ICSAP 2011), Singapore from 26-Feb-2011 to 28-Feb-2011.
29. Getsy S Sara, D. Sridharan, "Design Framework of Collision avoidance and Energy Efficient MAC in MWSN" presented in a International level conference on Design Framework of Collision avoidance and Energy Efficient MAC in MWSN, organised by 3rd International Conference on Signal Acquisition and Processing (ICSAP 2011), Singapore from 26-Feb-2011 to 28-Feb-2011.
30. R. Kalaiarasi and D. Sridharan, "Mitigating Misbehaving Node Using Receiver Network Allocation Vector," presented in a International level conference on Mitigating Misbehaving Node Using Receiver Network Allocation Vector,, organised by IEEE International Conference on Signal Acquisition and Processing (ICSAP 2011), Singapore , India from 26-Feb-2011 to 28-Feb-2011.
31. Getsy S Sara and D. Sridharan, "Design Framework of Collision avoidance and Energy Efficient MAC in MWSN" presented in a International level conference on Design Framework of Collision avoidance and Energy Efficient MAC in MWSN, organised by IEEE International Conference on Signal Acquisition and Processing (ICSAP 2011), Singapore, India from 26-Feb-2011 to 28-Feb-2011.

32. C.Prabhu and Dr.D.Sridharan,, "Design and Applications of Low Power High Speed Error Tolerant Adder" presented in a International level conference on Design and Applications of Low Power High Speed Error Tolerant Adder, organised by National Conference on Microwave and Optical Communication (NCMOC 2011), India from 30-Mar-2011.
33. P.Natarasan and Dr.D.Sridharan, "Design of Low Power and Low Area AES based Image Encryption and Decryption" presented in a International level conference on Design of Low Power and Low Area AES based Image Encryption and Decryption, organised by National Conference on Microwave and Optical Communication (NCMOC 2011), , India from 30-Mar-2011.
34. D.Vishnupriya and Dr.D.Sridharan, "On-Chip Genetic Algorithm for Wireless Sensor Network Based on Energy Efficient Routing" presented in a International level conference on On-Chip Genetic Algorithm for Wireless Sensor Network Based on Energy Efficient Routing, organised by National Conference on Microwave and Optical Communication (NCMOC 2011), India from 30-Mar-2011.
35. M.Archana and Dr.D.Sridharan, "Implementation of Array Switching SRAM to Reduce Power Consumption" presented in a International level conference on Implementation of Array Switching SRAM to Reduce Power Consumption, organised by National Conference on Intelligent Computing and Control for Engineering Applications (NCICE'11), India from 01-Apr-2011.
36. 15. T..Kavitha, S. Jenifa Subha Priya, D.Sridharan, , "Design of Area - Efficient VLSI Architecture for Symbol Deinterleaver" presented in a International level conference on Design of Area - Efficient VLSI Architecture for Symbol Deinterleaver, organised by International Conference on Network and Computer Science (ICNCS'11), India from 08-Apr-2011 to 10-Apr-2011.
37. S.Neelavathy Pari and D.Sridharan , "Mitigating Routing Misbehaviour in Self Organizing Mobile Ad hoc Network using K-neighbourhood Local Reputation System" presented in a International level conference on Mitigating Routing Misbehaviour in Self Organizing Mobile Ad hoc Network using K-neighbourhood Local Reputation System, organised by International conference on Recent Trends in Information Technology –ICRTIT 2011, India from 03-Jun-2011 to 05-Jun-2011.
38. E. John Leons and Dr. D. Sridharan, "Hardware Architecture for a 32 Bit Decimal Floating Point Logarithmic Conversion Algorithm" presented in a International level conference on Hardware Architecture for a 32 Bit Decimal Floating Point Logarithmic Conversion Algorithm, organised by Fifth National Conference on Electrical and Instrumentation Systems, Government College of Technology, Coimbatore, India from 01-Mar-2012.
39. S.Neelavathy Pari, Narmadhadevi B and D.Sridharan , "Requisite trust-based Secure Routing Protocol for MANETs" presented in a International level conference on Requisite trust-based Secure Routing Protocol for MANETs, organised by International Conference on Recent Trends in Information Technology –ICRTIT 2012, India from 19-Apr-2012 to 21-Apr-2012.
40. S.Neelavathy Pari, Sabarish J and D.Sridharan , "A trust system in manet with secure key authentication mechanism" presented in a International level conference on A trust system in manet with secure key authentication mechanism, organised by International Conference on Recent Trends in Information Technology – ICRTIT 2012 , India from 19-Apr-2012 to 21-Apr-2012.

41. B.Vetri and Dr.D.Sridharan, "Computer-Aided Diagnosis Of Architectural Distortion In Prior Mammograms By Using Haralick's & Laws' Texture Features"" presented in a International level conference on Computer-Aided Diagnosis Of Architectural Distortion In Prior Mammograms By Using Haralick's & Laws' Texture Features", organised by National Conference on "Recent Trends in Communication, Computation & VLSI" (NCRTCCV-2013) ,Sri Ramanathan Engineering College, Tiripur, Tamilnadu, India from 21-Feb-2013.
42. Tom Mathew, D.Sridharan, "Detection and Evaluation of Crohns Disease Lesions From Wireless Capsule Endoscopy Images" presented in a International level conference on Detection and Evaluation of Crohns Disease Lesions From Wireless Capsule Endoscopy Images, organised by International Conference on Futuristic Trends in Electronics Engineering ICFTEE 2013 organized by Thiruvalluvar College of Engineering and Technology , India from 01-Mar-2013.
43. Aby Augustine tom, Dr.D.Sridharan, "Design of Binary Field Multiplier Using Sequential Multiplier GF (2163)" presented in a International level conference on Design of Binary Field Multiplier Using Sequential Multiplier GF (2163), organised by 2nd International Conference On Furistic Trends In Electronics Engineering ICFTEE2013, Thiruvalluvar Engineering College Of Engineering And Technology, India from 02-Mar-2013 to 03-Mar-2013.
44. R.Preethi and D.Sridharan, "Multireference Re-ranking For Scalable Face Image Retrieval" presented in a International level conference on Multireference Re-ranking For Scalable Face Image Retrieval, organised by 2nd International Conference on Furistic Trends In Electronics Engineering ICFTEE2013, Thiruvalluvar College of Engineering and Technology, Tamilnadu, India from 02-Mar-2013 to 03-Mar-2013.
45. Brindha A and D.Sridharan, "FPGA Based Design and Implementation of Residue Generator for Arbitrary Moduli" presented in a International level conference on FPGA Based Design and Implementation of Residue Generator for Arbitrary Moduli, organised by National Conference on Microwave and optical Communication by Department of ECE, Alagappa Chettiar College of Engineering and Technology, Karaikudi , India from 14-Mar-2014.
46. G.K.Monisha and D.Sridharan, "Optimized LUT Design for FIR Filter and its FPGA Implementation" presented in a International level conference on Optimized LUT Design for FIR Filter and its FPGA Implementation, organised by International Conference held at Ranippettai Engineering College, Vellore, India from 14-Mar-2014.
47. M. Ambigavathi and D.Sridharan, "A Survey on Wireless Body Area Networks: Issues in MAC Design" presented in a International level conference on A Survey on Wireless Body Area Networks: Issues in MAC Design, organised by International Conference on Advanced Research in Engineering & Technology (ICARET"14), India from 18-Apr-2014 to 19-Apr-2014.
48. K.Suriyakrishnaan, D.Sridharan, "A Review of Reliable and Secure Communication in Wireless Body Area Networks " presented in a International level conference on A Review of Reliable and Secure Communication in Wireless Body Area Networks , organised by Thirteenth IRF International Conference, India from 14-Sep-2014.
49. Nivedha S and Dr.D.Sridharan, "Area and Delay Optimized Modulo Adder for RNS based Processors" presented in a International level conference on Area and Delay Optimized Modulo Adder for RNS based Processors, organised by National Conference on Advanced Computing and Communication Systems (NCACCS-15), at Government College of Technology, Coimbatore, India from 16-Apr-2015.

Sponsored Projects Completed

1. "Design and Development of Caching System based on Client Web Trace Characterization" (June-2003 - June-2006). Project Cost: 642000.00.
2. "Design and Establishment of Wireless Sensor Network for Nuclear Applications" (July-2007 - July-2010). Project Cost: 1440000.00.
3. "Power Optimization in Smart Wireless Sensor Network" (July-2007 - July-2010). Project Cost: 756000.00.
4. "Design of Novel Methods for Optimized Energy Resourceful Routing in Mobile WSN" (August-2009 - August-2013). Project Cost: 1082000.00.
5. "Mitigating Selfish node Misbehavior in MAC Layer of MANET" (March-2010 - February-2013). Project Cost: 1674000.00.

Programme Organized

1. National level workshop on "One day workshop on e-Yantra" from 04-Apr-2014 to 04-Apr-2014.
2. National level Short Course on "Bridge Courses on English, Mathematics and Physics" from 16-Jun-2014 to 26-Jun-2014.
3. International level workshop on "FDTP on Present Trend in Hybrid Pedagogy in English Language Teaching" from 12-Nov-2014 to 14-Nov-2014.
4. National level workshop on "Workshop on "Research Methodology"" from 10-Dec-2014 to 16-Dec-2014.
5. International level workshop on "Workshop on "Research Methodology"" from 22-Jan-2015 to 29-Jan-2015.
6. National level workshop on "Three day workshop on Implementing Choice Based Credit System in Higher Educational Institutions" from 11-Jun-2015 to 13-Jun-2015.
7. National level Short Course on "Bridge Courses on English, Mathematics and Physics" from 22-Jun-2015 to 30-Jun-2015.
8. National level workshop on "FSIPD - Foundation Skills in Integrated Product Development" from 09-Jul-2015 to 13-Jul-2015.
9. National level workshop on "Workshop on "Research Methodology"" from 12-Sep-2015 to 12-Sep-2015.
10. International level workshop on "One day workshop on Kanithamiz Peravai" from 30-Sep-2015 to 30-Sep-2015.
11. International level workshop on "FSIPD - Foundation Skills in Integrated Product Development" from 26-Mar-2016 to 30-Mar-2016.

12. International level workshop on "FDTP on EC 6504 Microprocessor and Micro Controller" from 05-May-2016 to 11-May-2016.
13. Coordinator, National level workshop on "Faculty Development Training Programme on CU6003 Adhoc and Sensor Network" from 28-Nov-2016 to 04-Dec-2016.

Programme Attended

1. Attended a National level Short Course on "Modern Computer Network Management" organized by Ramanujan Computing Centre, Anna University, India from 06-Dec-1999 to 17-Dec-1999.
2. Attended a National level Short Course on "Computer Communication" organized by Ramanujan Computing Centre, Anna University, India from 20-Dec-1999 to 31-Dec-1999.
3. Participated in a National level workshop on "National Workshop on Modernising the Curriculum of MCA" organized by Anna University, India from 10-Mar-2000 to 11-Mar-2000.
4. Attended a National level Short Course on "Compression Techniques for Multimedia Applications" organized by Pondicherry Engineering College, India from 12-Jun-2000 to 23-Jun-2000.
5. Attended a National level Short Course on "Internet & Web Design – Concepts to Practice" organized by Kongu Engineering College, India from 09-Nov-2000 to 22-Nov-2000.
6. Attended a National level Short Course on "Network Programming, Security and Management" organized by Ramanujan Computing Centre, Anna University, India from 02-Jun-2003 to 14-Jun-2003.
7. Attended a National level Short Course on "Web Services and Application Development using C# and .NET Framework" organized by Dept. of Information Technology Madras Institute of Technology, India from 10-Nov-2003 to 24-Nov-2003.
8. Attended a National level Short Course on "School on Digital Radio Communications for Research and Training in Developing Countries" organized by The Abdus salam International Centre for Theoretical Physics, India from 09-Feb-2004 to 27-Feb-2004.
9. Participated in a National level workshop on "Third Workshop on Distributed Laboratory Instrumentation Systems" organized by The Abdus salam International Centre for Theoretical Physics, India from 22-Nov-2004 to 17-Dec-2004.
10. Participated in a National level workshop on "Workshop on Advances in Cryptography" organized by National Institute of Technology, Surathkal, India from 13-May-2005 to 14-May-2005.
11. Attended a National level Short Course on "Software Quality Assurance and Testing" organized by Ramanujan Computing Centre, Anna University, India from 20-Feb-2006 to 04-Mar-2006.
12. Attended a National level Short Course on "Network Design and Implementation" organized by Engineering Staff College of India, India from 13-Dec-2006 to 15-Dec-2006.

13. Attended a National level Short Course on "Network Management and Security" organized by TEQIP, RCC, Anna University, India from 24-Jan-2007 to 25-Jan-2007.
14. Attended a National level Short Course on "Mentoring Youth and Adolescents" organized by TEQIP, India from 16-May-2007 to 16-May-2007.
15. Attended a National level Short Course on " PHP Programming" organized by Dept. of Information Technology Madras Institute of Technology, India from 10-Dec-2007 to 14-Dec-2007.
16. Participated in a International level workshop on "International Workshop on Advances in Nanoscience and Technology" organized by Anna University & ICTP, Italy, India from 28-Oct-2009 to 30-Oct-2009.
17. Participated in a International level workshop on "International Conference on Computer Applications 2010 - Chair a session on "Networking"" organized by Techno Forum Research and Development Centre Pondicherry, India from 26-Dec-2010 to 26-Dec-2010.
18. Participated in a International level workshop on "International Workshop on Wideband Gap Semiconductor Nanostructures" organized by Crystal Growth Centre & CIA Anna University, India from 10-Jan-2011 to 11-Jan-2011.
19. Participated in a International level workshop on " International Workshop on Advanced Functional Nanomaterials" organized by Centre for Nanoscience and Technology CGC & CIA Anna University, India from 21-Feb-2011 to 24-Feb-2011.
20. Participated in a International level workshop on "International Workshop on Bio-Medical Sciences and Technologies(IWBMST – 2011)" organized by CME, Crystal Growth Centre & CIA Anna University, India from 02-Mar-2011 to 04-Mar-2011.
21. Attended a National level Short Course on "AICTE-QIP 2 week Short Term Course on Recent Trends in Computer Networks" organized by Ramanujan Computing Centre, Anna University, India from 18-Apr-2011 to 30-Apr-2011.
22. Attended a National level Short Course on " Workshop on Wireless Sensor Networking & Cloud Computing" organized by Madras Institute of Technology, Anna University, India from 16-May-2011 to 20-May-2011.
23. Participated in a National level workshop on " 2-WEEK ISTE WORKSHOP on Basic Electronics National Mission on Education through ICT (MHRD, Govt. of India)" organized by IIT Bombay & Ramanujan Computing Centre, Anna University, India from 28-Jun-2011 to 08-Jul-2011.
24. Attended a National level Short Course on " Purchase Procedure for Anna University Staff" organized by Anna Institute of Management, India from 29-Sep-2011 to 30-Sep-2011.
25. Attended a National level Short Course on " AICTE SDP on Fundamentals of Nanoscience and Technology (FONT – 2011)" organized by Crystal Growth centre, India from 07-Dec-2011 to 21-Dec-2011.
26. Participated in a National level workshop on "Two day workshop on Semiconductor Solutions for Wireless Communications" organized by Department of ECE CEG Campus Anna University & Texas Instruments Bangalore, India from 05-Oct-2012 to 06-Oct-2012.

27. Participated in a International level workshop on " International Workshop on Recent Advances in Antenna Design (IWRAAD 2013)" organized by Department of ECE CEG Campus Anna University, India from 20-Feb-2013 to 20-Feb-2013.
28. Attended a National level Short Course on " Awareness Program on Internal Quality Assurance" organized by IQAC Anna University, India from 19-Mar-2013 to 19-Mar-2013.
29. Participated in a National level workshop on " Two Day workshop on Mathematical Essentials for Cryptography" organized by Dept. of Information Tech, CEG, Anna University, India from 11-Sep-2013 to 12-Sep-2013.
30. Participated in a International level conference on "5th International conference on Advanced Computing (ICoAC'13) - Session Chair" organized by Dept. of Computer Tech, MIT, Anna University, India from 20-Dec-2013 to 20-Dec-2013.
31. Attended a National level Short Course on " R & D Project Proposals - Awareness, Needs and Benefits" organized by CTDT, Anna University, India from 26-Feb-2014 to 26-Feb-2014.
32. Participated in a International level workshop on "International Workshop on Electronic Material Technology" organized by Crystal Growth Centre, Anna University, India from 13-Mar-2014 to 15-Mar-2014.
33. Participated in a National level conference on "Symposium on Teaching - Learning in Higher Education" organized by IIT Madras, India from 28-May-2014 to 29-May-2014.
34. Participated in a National level workshop on "FDP on Using Blended MOOCs in Management Education" organized by Indian Institute of Management Bangalore, India from 13-Feb-2016 to 13-Feb-2016.

Special Repräsentations

1. Member - Implementation Committee - FSIPD Course in NASSCOM from 01-Jun-2016 to 30-Jun-2016.
2. Member in Digital Content Evaluation Committee, TNSCERT from 01-May-2015 to 29-Apr-2016.

Honours

1. "YOUNG SCIENTIST FELLOWSHIP" given by Department of Science and Technology from India (2003).
2. "Academic grant " given by Lab Automation from USA (2003).
3. "Academic grant " given by Stanford University, Stanford from USA (2003).
4. "UNESCO fellowship" given by UNESCO - ICTP from Italy (2004).
5. "DST-ICTP Fellowship" given by Department of Science and Technology from India (2004).

Experience Abroad

1. Italy from 14-Sep-2002 to 20-Sep-2002. Purpose of visit :To Present a Paper.
2. USA from 28-Jan-2003 to 08-Feb-2003. Purpose of visit :To Present a Paper.
3. Visited ICTP, Italy from 08-Feb-2004 to 28-Feb-2004. Purpose of visit :To attend International Workshop.
4. Visited ICTP, Italy from 22-Nov-2004 to 17-Dec-2004. Purpose of visit :To attend International Workshop.
5. Visited Queensland University of Technology, Australia from 05-Jun-2006 to 11-Jun-2006. Purpose of visit :To Present a Paper.

Extension & Outreach Programme

1. Judge, Indian Science & Engineering Fair (INSEF) Regional Fair , participated by School Students - Higher Secondary Level and funded by INSEF - Science Society of India (SSI) at Agni College of Technology during 25-Oct-2013 and . No. of participants: 500.
2. Co Ordinator, Workshop on e-Yantra, participated by Students from Engineering Colleges and funded by IIT, Mumbai at Anna University during 04-Apr-2014 and . No. of participants: 100.
3. Coordinator, workshop on Research Methodology, participated by Faculty Members from Engineering Colleges and funded by UGC at Anna University during 10-Dec-2014 and . No. of participants: 80.
4. Coordinator, Day Bridge courses on English, Mathematics and Physics , participated by Faculty Members from Engineering Colleges and funded by TEQIP at Anna University during 22-Jun-2015 and 30-Jun-2015. No. of participants: 1800.
5. Coordinator, FSIPD - Foundation Skills in Integrated Product Development, participated by Faculty Members from Engineering Colleges and funded by Tamilnadu State Council of Science and Technology at Anna University during 09-Jul-2015 and 13-Jul-2015. No. of participants: 75.
6. Coordinator, workshop on Kanithamiz Peravai, participated by Faculty Members from Engineering Colleges and funded by Tamil Virtual Academy at Anna University during 30-Oct-2015 and . No. of participants: 250.