

Vision: To take the maximal advantage of Science & Technology Research to solve a wide range of Complex Scientific, Technological and Social Problems

Mission: Make our Science & Technological programs affordable and accessible to all and address the specific needs of the community

* Professor Oct' 2011 - till Date
 * Associate Professor Oct' 2008 - Sep' 2011
 * Assistant Professor Oct' 2005 - Sep' 2008
 * Lecturer Mar' 1996 - Sep' 2005
 * Senior Technical Officer Jul' 1994 - Feb' 1996
 * Project Associate Jun' 1993 - Jul' 1994

* International/National Conferences : 55
 * Research publications in International Journals : 70
 * Book Chapters : 11
 * Research Projects Completed : 05
 * Funding Agencies: DST, IGCAR, AICTE & UGC
 * No. of Ph.D. guided : 20
 * No. of Ph.D.(ongoing) : 02
 * No of MS. (guided) : 02
 * FDTP/workshop / Short term course (No of days) : 332

Sponsored / Mentored Projects

| Title | Value in lakhs | Sponsoring Agency |
|---|--------------------|-------------------|
| Design and Development of Caching System based on Client Web Trace Characterization | 6.42 | DST |
| Design and Establishment of Wireless Sensor Network for Nuclear Applications | 14.40 | IGCAR |
| Wireless Sensor Network | 7.56 | AICTE |
| Development of Energy Efficient Routing Protocol for WSN | 10.82 | UGC |
| Mitigating Selfish Node Misbehavior MAC Layer of MANET | 16.74 | DST |
| TOTAL | 55.94 lakhs | |

* 29 years as Professor and Researcher in the field of Electronics & Communication Engineering
 * Research area: MANET, WSN and WBAN

* TANFINET - BHARATNET-P-II
 * AICTE - TBW in Tamil
 * Public Service Commission, Tamilnadu
 * Selection Committee, Central Leather Research Institute, Tamilnadu
 * Technical Member, Tribal Welfare Department, Tamilnadu
 * Digital Content Evaluation Committee, State Council of Education Research and Training (SCERT), Tamilnadu
 * Project Evaluation, Kerala state Council for Science, Technology and Environment (KSCSTE)
 * TNSET-2016, Mother Theresa university Sharda university- Noida , JNTU-Hyderabad, Pondicherry University-Puducherry, Goa University- Goa, Sathyabama university, SRM university, Vel Tech University, VIT University RAMCO Institute of Technology, MNM Jain Engineering College-Chennai

* Ph.D - CEG campus, Anna University -2000-2005
 * M.E - MIT campus, Anna University - 1991-1993
 * B.Tech - MIT campus, Anna University - 1988-1991

Qualification and Experience

Research

Teaching Experience

Awards & Honours

Positions

Prof. Dr. D. SRIDHARAN
 Professor,
 Electronics & Communication Engineering,
 Anna University, Chennai
 &
 Director
 Centre for Entrance Examinations
 SECRETARY, TANCET

Expert Member

Countries Visited

Professional Training

Centre for Faculty Development

Director, CFD

FDTP (2013-2021)

| Year | Total No of Programmes | Total Amount (Rs.) | No. of Faculties Trained |
|--------------|------------------------|--------------------|--------------------------|
| 2013 | 138 | 1,18,10,000 | 3438 |
| 2014 | 276 | 81,10,000 | 6697 |
| 2015 | 168 | 30,40,000 | 3933 |
| 2016 | 180 | 33,60,000 | 4392 |
| 2017 | 195 | 40,00,000 | 4614 |
| 2018 | 942 | 20,00,000 | 2350 |
| 2019 | 101 | 59,24,000 | 2799 |
| 2020 | 8 | 3,60,000 | 266 |
| 2021 | 37 | 10,41,000 | 1556 |
| Total | 2045 | 3,96,45,000 | 30045 |

International Training (abroad) : 45 days
 National Training : 287 days

FDTP

QIC Nodal Centres

* EDUSAT
 * Web-content
 * A-VIEW

NMEICT

MoU

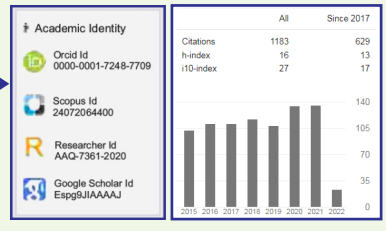
* FDTP in several engineering subjects all over Tamilnadu
 * One Day Workshop on Research Methodology for Research Scholars and Faculty Members from Anna University and Affiliated Colleges all over Tamilnadu
 * Foundation Skills in Integration Product Development (FSIPD) in Collaboration with NASSCOM
 * Bridge Courses and Brainstorming Sessions in Mathematics, Physics and English for Faculty Members of Affiliated Engineering Colleges all over Tamilnadu held at Anna University
 * Residential Faculty Development Training Programme
 * Workshop on Choice Based Credit System (CBCS)

* e-Yantra for Affiliated Engineering Colleges all over Tamilnadu
 * Spoken Tutorial for Affiliated Engineering Colleges all over Tamilnadu

* Anna University and ISTE to conduct FDTPs on 31st May 2013
 * Anna University and TEQIP funded Institutions on 10th July 2013
 * RFDTP
 * Anna University and NASSCOM on May 2015
 * Anna University with AICTE-Feb 2019

* USA
 * Italy
 * Germany
 * Australia
 * Singapore
 * Dubai
 * Malaysia

* Member - NASSCOM Implementation Committee - FSIPD course
 * Editorial Committee Member Anna University News Bulletin
 * Advisory Committee Member - Centre for Technology Development and Transfer
 * Editorial Board Member-ICTACT Journal on Communication Technology
 * Internal Complaint Committee Member-POSH
 * University Nominee for Board of studies- CIT, Coimbatore
 * University Nominee for Board of studies - M.Kumarasamy College of Engineering, Karur
 * University Nominee for Board of studies - Vivekanandha College of Engineering for Women
 * University Nominee for Board of studies - Velalar College of Engineering
 * University Nominee for Academic Council - PSR Engineering College
 * Member - Board of studies - Tamilnadu Open University (TNOU).(2018-2021)
 * Member - Board of studies -Alagappa University, Karaikudi (2018-2021)
 * Member- BOG, EMMRC, UGC Centre, Anna University



CURRICULUM VITAE

Vision: To take the maximal advantage of Science & Technology Research to solve a wide range of complex scientific, technological and social problems.

Mission: Make our Science & Technology programs affordable and accessible to all and address the specific needs of the community



Dr. D. Sridharan, B.Tech., M.E., Ph.D.

Professor

Electronics & Communication Engineering

CEG campus

Anna University, Chennai –600 025

Additional Responsibility

**Director, Centre For Entrance Examinations
Secretary, TANCET**

Additional Responsibility

**Director & AD, Centre For Faculty Development
(2013 -2021)**

Mobile : 9444417161

Mail : sridhar@annauniv.edu; srid.cegece@gmail.com

ACADEMIC QUALIFICATIONS

| | |
|---|-----------|
| Ph.D. in the Faculty of ICE at CEG, Anna University Award: Young Scientist Fellowship from DST | 2000-2005 |
| M.E. in Electronics Engineering at MIT, Anna University | 1991-1993 |
| B.Tech. in Electronics Engineering at MIT, Anna University | 1988-1991 |

PROFESSIONAL EXPERIENCE - 25 yrs of experience

| | |
|-----------------------|--|
| Oct 2011 - Till Date | Professor , CEG Campus, Anna University |
| Oct 2008 - Sep 2011 | Associate Professor , CEG Campus, Anna University |
| Oct 2005 - Sep 2008 | Assistant Professor, CEG Campus, Anna University |
| Mar 1996 - Sep 2005 | Lecturer, CEG Campus, Anna University |
| July 1994 - Feb 1996 | Senior Technical Officer, MIT Campus, Anna University |
| June 1993 – July 1994 | Project Associate, MIT Campus, Anna University |

Countries Visited: USA, Italy, Germany, Australia, Singapore, Dubai and Malaysia.

Awards/Honors/Recognition Received

- **Young Scientist Fellowship** from DST, INDIA,
- **Academic grant** of \$1000 from ALA, USA,
- Grant of \$700 from AAAI, Stanford University, Stanford, CA, USA,
- **UNESCO fellowship** for the School on Digital Radio Comm. for R and T,
- **DST-ICTP fellowship** for Workshop on Distributed Laboratory Instrumentations.

Positions

- Member – Technical Committee –TANFINET Corporation – BharatNet Phase II – Project
- AICTE Coordinator – Technical Book Writing in Regional Language (2019-2021)
-
- University Nominee – Governing Council – Anjalai Ammal Mahalingam
Engineering College
2022-2023 & 2024-2025
- Member, Board of Directors - The Tamil Nadu Ex-Servicemen Corporation (TEXCO)
- Nodal officer – IUCTE – PMMMMNMTT
- Chairman - Manual of IT Policy and Procedures - TNOU
- Member - NASSCOM Implementation Committee - FSIPD course
- Editorial Committee Member - Anna University News Bulletin
- Advisory Committee Member for Centre for Technology Development and Transfer
- Member – BOG, EMMRC - (2018-2021)
- Editorial Board Member- ICTACT Journal on Communication Technology
- Internal Complaint Committee Member -POSH - (2015-2018)
- Member - Board of studies – Tamilnadu Open University (TNOU) - (2018-2021)
- Member - Board of studies – Alagappa University, Karaikudi (2018-2021)
- University Nominee for Academic Council – IFET College of Engineering. Villupuram
2019-2020, 2020-2021 & 2021-2022
- University Nominee for Academic Council –Nandha College of Engineering, Erode
2018-2019, 2019-2020 & 2020-2021
- University Nominee for Board of studies –Sri Venkateswara College of Engg, Chennai
2018-2019 & 2019-2020
- University Nominee for Board of studies –CIT, Coimbatore
2016-2017 & 2017-2018

- University Nominee for Board of studies - M.Kumarasamy College of Engineering, Karur 2014-2015 & 2015-2016
- University Nominee for Board of studies - Vivekanadha College of Engg for women 2013-2014 & 2014-2015
- University Nominee for Board of studies –Velalar College of Engineering 2016-2017 & 2017-2018
- University Nominee for Academic Council - PSR Engineering College 2014-2015 & 2015-2016

- Member, Digital Content Evaluation Committee, State Council of Educational Research and Training (SCERT), Tamilnadu
- Member - TNSET 2016 - Mother Teresa University
- Expert Member - AICTE committee on Training Policy for Technical Teachers - 2019
- Technical Member -TNUSRB, TNPSC, Tribal Welfare Department, Government of Tamil Nadu
- Expert Member, SSC – CLRI, VIT University, Sri Venkateswara College of Engg, MNM Engineering College, VelTech, Ramco Institute of Technology
- Ph.D.Thesis Examiner - Kerala University, JNTU Hyderabad, Pondicherry University, Puducherry, VIT University Chennai, Sharda University, Noida, Sathyabama University, Chennai, SRM University Chennai, Goa University, GITAM, Visakhapatnam.

Sponsored/Mentored Research Project: (Total: 55.94 Lakhs)

| S. No | Title | Value InLakhs | Sponsoring Agency | Period |
|-------|---|---------------|-------------------|-----------|
| 1 | Design and Development of Caching System based on Client Web Trace Characterization | 6.42 | DST | 2003-2006 |
| 2 | Design and Establishment of Wireless Sensor Network for Nuclear Applications | 14.40 | IGCAR | 2007-2010 |
| 3 | Wireless Sensor Network | 7.56 | AICTE | 2007-2010 |
| 4 | Development of Energy Efficient Routing Protocol for WSN | 10.82 | UGC | 2009-2013 |
| 5 | Mitigating Selfish Node Misbehavior in MAC Layer of MANET | 16.74 | DST | 2010-2013 |

Achievements as Director, Centre For Faculty Development

- ❖ Brain storming sessions on Bridge Course for Engineering Mathematics
- ❖ MOU between ANNA UNIVERSITY and ISTE
- ❖ Bridge Course on Engineering Mathematics
- ❖ MOU between Anna University and TEQIP Institutions to conduct RFDT Program
- ❖ FDP on Empowering Mathematics Skills and Release of Educational CD
- ❖ Brain Storming Session on Bridge Course for English
- ❖ The Bridge Course to English Faculty Members
- ❖ Faculty Development Training Program
- ❖ Quality Improvement Cell – Spoken Tutorial, e-Yantra, A-view workshop
- ❖ FDTP on "Present Trend in Hybrid Pedagogy in English Language Teaching"
- ❖ Workshop on "Research Methodology"
- ❖ One day workshop on Kanithamiz Peravai Jointly with Tamil Virtual Academy (Erstwhile Tamil Virtual University)
- ❖ AU - NASSCOM FSIPD - Foundation Skills in Integrated Product Development
- ❖ MOU between ANNA UNIVERSITY and AICTE
- ❖ ATAL workshops and FDTP's in Online Mode

List of Research Scholars – Awarded Ph.D.

| Sl. No | Name | Title | Year of Completion |
|--------|----------------------------------|--|--------------------|
| 1 | B. Vinagasundram 2001599701 | Design and Implementation of Hybrid Layered Software Architecture for Artificial Intelligence Systems | 07.03.2008 |
| 2 | B. Chidambararajan 2001399707 | Certain Investigation on the performance analysis of Satellite, Optical and Optical Satellite Networks | 28.07.2008 |
| 3 | M. Kannan 2001599702 | ILPA with special functional units and high throughput Hardware objects for Signal Processing Applications | 07.11.2008 |
| 4 | R. Seshasayanan 2001599703 | Implementation of Novel Low Power VLIW DSP Architecture | 12.11.2008 |
| 5 | S. Latha 2003339102 | On some aspects of topological design of computer networks | 02.11.2009 |

| | | | |
|----|----------------------------------|---|------------|
| 6 | A. Sivagami 2006419749 | Energy Efficient Latency Optimized Data Gathering Framework for Wireless Sensor Network | 26.09.2011 |
| 7 | V. Berlin Hency 2724439719 | Enhancement of QoS of Voice/ Data Traffic over WLANs | 11.11.2013 |
| 8 | Getsy S Sara 2824439114 | Design of Novel Methods for Optimized Energy Resourceful Routing in Mobile WSN | 18.11.2013 |
| 9 | R. Kalaiarasi 2824739144 | Security Improvisation of MAC layer in Mobile Adhoc Networks | 27.02.2014 |
| 10 | T. Kavitha 2723439730 | Design of Lightweight Resource Requisite Key Management Protocols for Wireless Sensor Networks | 30.05.2014 |
| 11 | Neelavathi Pari 2824419725 | Investigations of Malicious Nodes By Security Improvisation of Routing in Mobile Adhoc Networks | 31.10.2014 |
| 12 | K. Pavai 2006419736 | Design of Energy Optimized Routing Methodologies for Wireless Sensor Networks | 25.06.2015 |
| 13 | Ahmed Sajjad Khan 10900531001 | Cellular Automata Modeling and Processing of Speech Signal | 03.10.2016 |
| 14 | Ambigavathi M 1427419712 | Priority-Based MAC Protocols for Critical Data Transmission in Wireless Body Area Networks | 14.11.2019 |
| 15 | Suriyakrishnaan K 1413319124 | Reliable Data Transmission in Wireless Body Area Networks | 06.12.2019 |
| 16 | Sharavanan P T 1313419791 | Secure Channel Scheme in WBAN using ECDSA with Privacy Preservation | 24.01.2019 |
| 17 | Kovendan AKP 1414419149 | Prioritized Packet Scheduling Scheme for WSN in Smart Grids | 18.06.2020 |
| 18 | Magdalene R 1424419261 | Time-Aware Multimedia Process Scheduling And Scalable Content Streaming For E-Learning | 26.03.2021 |
| 19 | Arifa Anwar 1525419593 | Kalman Filter based Predictive Routing Algorithm and Error Reduction in Wireless Body Area Networks | 25.08.2021 |
| 20 | G.V Shaamili Varsa 1423419839 | An Energy Efficient Connected Dominating Set Construction using Compressive Sensing in Wireless Sensor Networks | 20.10.2021 |

M.S. (By Research)

| Sl. No | Name | Title | Year of Completion |
|--------|----------------------------|---|--------------------|
| 1 | S. Ramalatha 2004418707 | Energy efficient high speed Multipliers Using Vedic Mathematics | 2008 |
| 2 | R.B. Aparnaa 1525418702 | Signature Based Intrusion Detection System for UWB Wireless Sensor Networks | 26.11.2018 |

List of Research Ph.D Scholars presently under Roll

| Sl. No | Name | Title | Status |
|--------|---------------------------------|--|--------------|
| 1 | Aishwarya S 17244291216 | Studies on Membranes by Image Processing | Confirmation |
| 2 | Ms. Sree Nidhi S 22244191494 | “Data Security And Privacy In Wireless Body Area Network With Energy Harvesting Using 5g”. | |

List of Refresher Courses attended/Organised

| Sl. No | Name of the courses attended | Name of the Institution | Period | | No. of days |
|--------|--|---|------------|------------|-------------|
| | | | From | To | |
| 1 | Modern Computer Network Management | Ramanujan Computing Centre, Anna University | 06.12.1999 | 17.12.1999 | 12 |
| 2 | Computer Communication | Ramanujan Computing Centre, Anna University | 20.12.1999 | 31.12.1999 | 12 |
| 3 | National Workshop on Modernizing the Curriculum of MCA | Anna University | 10.03.2000 | 11.03.2000 | 2 |
| 4 | Compression Techniques for Multimedia Applications | Pondicherry Engineering College | 12.06.2000 | 23.06.2000 | 12 |
| 5 | Internet & Web Design – Concepts to Practice | Kongu Engineering College | 09.11.2000 | 22.11.2000 | 14 |
| 6 | Network Programming, Security and Management | Ramanujan Computing Centre, Anna University | 02.06.2003 | 14.06.2003 | 13 |
| 7 | Web Services and Application Development using C# and .NET Framework | Dept. of Information Technology Madras Institute of Technology | 10.11.2003 | 24.11.2003 | 15 |
| 8 | School on Digital Radio Communications for Research and Training in Developing Countries | The Abdus salam International Centre for Theoretical Physics | 09.02.2004 | 27.02.2004 | 19 |
| 9 | Third Workshop on Distributed Laboratory Instrumentation Systems | The Abdus salam International Centre for Theoretical Physics | 22.11.2004 | 17.12.2004 | 26 |

| | | | | | |
|----|--|---|-------------|------------|----|
| 10 | Workshop on Advances in Cryptography | National Institute of Technology, Surathkal | 13.10.2005 | 14.10.2005 | 2 |
| 11 | Software Quality Assurance and Testing | Ramanujan Computing Centre, Anna University | 20.02.2006 | 04.03.2006 | 13 |
| 12 | Network Design and Implementation | Engineering Staff College of India | 13.12.2006 | 15.12.2006 | 3 |
| 13 | Network Management and Security | TEQIP, RCC, Anna University | 24.01.2007 | 25.01.2007 | 2 |
| 14 | Mentoring Youth and Adolescents | TEQIP | 16.05.2007 | | 1 |
| 15 | PHP Programming | Dept. of Information Technology Madras Institute of Technology | 10..12.2007 | 14.12.2007 | 5 |
| 16 | International Workshop on Advances in Nanoscience and Technology | Anna University & ICTP, Italy | 28.10.2009 | 30.10.2009 | 3 |
| 17 | International Conference on Computer Applications 2010 - Chair a session on "Networking" | Techno Forum Research and Development Centre Pondicherry | 26.12.2010 | | 1 |
| 18 | International Workshop on Wideband Gap Semiconductor Nanostructures | Crystal Growth Centre & CIA Anna University | 10.01.2011 | 11.01.2011 | 2 |
| 19 | International Workshop on Advanced Functional Nanomaterials | Centre for Nanoscience and Technology CGC & CIA Anna University | 21.02.2011 | 24.02.2011 | 4 |
| 20 | International Workshop on Bio-Medical Sciences and Technologies(IWBMST – 2011) | CME, Crystal Growth Centre & CIA Anna University | 02.03.2011 | 04.03.2011 | 3 |
| 21 | AICTE-QIP 2 week Short Term Course on Recent Trends in Computer Networks | Ramanujan Computing Centre, Anna University | 18.04.2011 | 30.04.2011 | 13 |
| 22 | Workshop on Wireless Sensor Networking & Cloud Computing | Madras Institute of Technology, Anna University | 16.05.2011 | 20.05.2011 | 5 |
| 23 | 2-WEEK ISTE WORKSHOP on Basic | IIT Bombay & Ramanujan Computing | 28.06.2011 | 08.07.2011 | 11 |

| | | | | | |
|----|---|--|------------|------------|----|
| | Electronics National Mission on Education through ICT (MHRD, Govt. of India) | Centre, Anna University | | | |
| 24 | Purchase Procedure for Anna University Staff | Anna Institute of Management | 29.09.2011 | 30.09.2011 | 2 |
| 25 | AICTE SDP on Fundamentals of Nanoscience and Technology (FONT – 2011) | Crystal Growth centre | 07.12.2011 | 21.12.2011 | 15 |
| 26 | Two day workshop on Semiconductor Solutions for Wireless Communications | Department of ECE CEG Campus Anna University & Texas Instruments Bangalore | 05.10.2012 | 06.10.2012 | 2 |
| 27 | International Workshop on Recent Advances in Antenna Design (IWRAAD 2013) | Department of ECE CEG Campus Anna University | | 20.02.2103 | 1 |
| 28 | Awareness Program on Internal Quality Assurance | IQAC Anna University | | 19.03.2013 | 1 |
| 29 | Two Day workshop on Mathematical Essentials for Cryptography | Dept. of Information Tech, CEG, Anna University | 11.09.2013 | 12.09.2013 | 2 |
| 30 | Indian Science & Engineering Fair (INSEF) Regional Fair as JUDGE | Agni College of Technology & Science Society of India (SSI) | 25.10.2013 | | 1 |
| 31 | Indian Science & Engineering Fair (INSEF) Regional Fair as JUDGE | Agni College of Technology & Science Society of India (SSI) | 08.12.2013 | | 1 |
| 32 | 5th International conference on Advanced Computing (ICoAC' 13) - Session Chair | Dept. of Computer Tech, MIT, Anna University | | 20.12.2013 | 1 |
| 33 | R & D Project Proposals - Awareness, Needs and Benefits | CTDT, Anna University | | 26.02.2014 | 1 |
| 34 | International Workshop on Electronic Material Technology | Crystal Growth centre, Anna University | 13.03.2014 | 15.03.2014 | 3 |
| 35 | One Day Workshop on e- Yantra | Centre for Faculty Development, Anna University | 04.04.2014 | | 1 |

| | | | | | |
|----|---|---|------------|------------|----|
| 36 | Symposium on Teaching - Learning in Higher Education | IIT Madras Chennai | 28.05.2014 | 29.05.2014 | 2 |
| 37 | Two Day Bridge courses on English, Mathematics and Physics – 5 Batches | Centre for Faculty Development, Anna University | 16.06.2014 | 26.06.2014 | 10 |
| 38 | Author Workshop on Book/Journal Publishing | Elsevier Research Solutions and University Library, Anna University | 24.09.2014 | | 1 |
| 39 | Faculty Development Training Programme on "Present Trend in Hybrid Pedagogy in English Language Teaching" | Centre for Faculty Development, Anna University | 12.11.2014 | 14.11.2014 | 3 |
| 40 | One day workshop on "Research Methodology" | Centre for Faculty Development, Anna University | 10.12.2014 | 16.12.2014 | 5 |
| 41 | One day workshop on "Research Methodology" | Centre for Faculty Development, Anna University | 22.01.2015 | 29.01.2015 | 4 |
| 42 | Digital Custom IC Design using CADENCE EDA Tools | Department of ECE CEG Campus Anna University | 12.03.2015 | 14.03.2015 | 3 |
| 43 | Three day workshop on Implementing Choice Based Credit System in Higher Educational Institutions | Centre for Faculty Development, Anna University | 11.06.2015 | 13.06.2015 | 3 |
| 44 | Two Day Bridge courses on English, Mathematics and Physics – 4 Batches | Centre for Faculty Development, Anna University | 22.06.2015 | 30.06.2015 | 8 |
| 45 | FSIPD - Foundation Skills in Integrated Product Development | Centre for Faculty Development, Anna University & NASSCOM | 09.07.2015 | 13.07.2015 | 5 |
| 46 | One day workshop on "Research Methodology" | Centre for Faculty Development, Anna University | 12.09.2015 | | 1 |
| 47 | One day workshop on Kanithamiz Peravai | Centre for Faculty Development, Anna University & Tamil Virtual Academy (Erstwhile Tamil Virtual University) | 30.10.2015 | | 1 |

| | | | | | |
|----|--|--|------------|------------|---|
| 48 | FDP on Using Blended MOOCs in Management Education | Indian Institute of Management Bangalore | 13.02.2016 | | 1 |
| 49 | FSIPD - Foundation Skills in Integrated Product Development | Centre for Faculty Development, Anna University, TNSCTE & NASSCOM | 26.03.2016 | 30.03.2016 | 5 |
| 50 | Faculty Development Training Programme on EC 6504 Microprocessor and Micro Controller | Dept. of ECE & Centre for Faculty Development, Anna University | 05.05.2016 | 11.05.2016 | 7 |
| 51 | Faculty Development Training Programme on CU6003 Adhoc and Sensor Network | Dept. of ECE & Centre for Faculty Development, Anna University | 28.11.2016 | 04.12.2016 | 7 |
| 52 | Workshop on Capacity Building of Women in Higher Education | Sponsored by TEQIP-SPFU-DOTE, Organized by CFD & Dept of Management studies. | 27.03.2017 | 30.03.2017 | 3 |
| 53 | Soft skills, Pedagogy & Management Training Programme | Sponsored by TEQIP-SPFU-DOTE, Organized by CFD & Dept of English | 27.03.2017 | 30.03.2017 | 3 |
| 54 | Faculty Development Training Programme on EC6009 Advanced Computer Architecture - Coordinator | Dept. of ECE & Centre for Faculty Development, Anna University | 22.05.2017 | 28.05.2017 | 7 |
| 55 | Faculty Development Training Programme on EC6504 Microprocessor and Micro Controller-Coordinator | Dept. of ECE & Centre for Faculty Development, Anna University | 30.05.2018 | 05.06.2018 | 7 |
| 56 | Training of Trainers Workshop on UGC-Faculty Induction Program (FIP) | UGC MHRD & IISER Pune | 27.03.2019 | 29.03.2019 | 3 |
| 57 | ATAL Workshop on Internet of Things-Coordinator | AICTE New Delhi | 29.10.2019 | 01.11.2019 | 5 |
| 58 | Research Oriented FDTP on "Research Challenges in 5G Communication" - Coordinator | Dept of ECE and CFD UGC XII Plan | 14.02.2020 | 15.02.2020 | 2 |

| | | | | | |
|----|---|---|------------|------------|----|
| 59 | MHRD Workshop on Managing Online Classes and Co-Creating MOOCS Under PMMMMNMTT | Online workshop Ramanujan College University of Delhi | 20.04.2020 | 06.05.2020 | 17 |
|----|---|---|------------|------------|----|

Total No. of Days : 332

LIST OF PUBLICATIONS

International/National Conferences

1. Ramalatha, S. and **Sridharan D**, “Scalable Multipliers for Reconfigurable architectures” in the Proceedings of IEEE International Conference(ICSIP), Karnataka, India, pp.416-419, 7-9 December, 2006.
2. Nadesh, RK, Pavai, K, Sivagami, A and **Sridharan D**, “Performance Evolution for using Ad hoc Network Model in Cellular Packet Data Networks” in the Proceedings of IEEE International Conference on Industrial Technology (ICIT), pp.416-419, 4-6 January, 2007.
3. Ramalatha, S., **Sridharan, D.** and Kumaravel, S, “Low Power Multipliers using Vedic Mathematics”, in the Proceedings of International Conference on Advances in Electronics and Communications (icon ADELCO), Kovilpatti, India, pp.301-305, 1-3 February, 2007.
4. Ramalatha, S., Kumaravel, S. and **Sridharan, D.** “A Novel Area and Time Efficient Squarer Using Vedic Mathematics for Coprocessor Applications” in the Proceeding of International Conference on Machine Learning, Models, Technologies and Applications, WorldComp’07, Las Vegas, USA, pp.131-136, 25-28 June, 2007.
5. Sivagami, A., Satya Murty, S.A.V., **Sridharan D.** and Baldev Raj “Performance Analysis of Routing Protocols for Wireless Sensor Networks” in the Proceedings of IEEE International Conference on Signal Processing Communications and Networking (ICSCN), Chennai, pp. 419-425, 4-6 January, 2008.
6. Sivagami A., Pavai, K., **Sridharan D**, Satya Murty, S.A.V. “Adaptive and Aggregation Aware Scheduling Algorithm for Event Detection Application” in the Proceedings of International Conference on Computer Networks and Security (ICCNS 08), Pune, India, pp: 156-160, 26-28 September, 2008.
7. L. K. Shoba, V. Berlin Hency, **Sridharan D**, “Enhancing the QoS of wireless Ad hoc networks by improving the throughput”, in the Proceedings of International Conference on Machine Learning and Computing (ICMLC), Perth, Australia, pp. 440 – 445, 10-12 July, 2009.
8. K. Pavai, A. Sivagami, **D. Sridharan**, “Study of Routing Protocols in Wireless Sensor Networks”, in the Proceedings of International Conference on Advances in Computing, control and Telecommunications Technologies (ACT), Trivandrum, India, pp.522- 525, 28-29 December, 2009.
9. 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”, in the Proceedings of International conference on Advances in Computing, Control and Telecommunication Technologies, Trivandrum, India, pp.840-844, 28-29 December, 2009.
10. R. Kalaiarasi, Getsy S. Sara S. Neelavathy Pari, **D. Sridharan**, “ANAV Timer for Detecting MAC Layer Misbehavior in MANET,” in the Proceedings of International Conference on Advances in Communication, Network, and Computing (CNC), Calicut, India, pp.75-78, 04-05 October, 2010.

11. Kavitha T., Priya, S.J.S., **Sridharan, D.**, "Design of deterministic key pre-distribution using number theory," in the Proceedings of 3rd International Conference on Electronics Computer Technology (ICECT), Kanyakumari, India, Vol.5, pp.134-137, 8-10 April, 2011.
12. R. Kalaiarasi and **D. Sridharan**, "Mitigating Misbehaving Node Using Receiver Network Allocation Vector," in the Proceedings of 3rd IEEE International Conference on Signal Acquisition and Processing (ICSAP), Singapore, Vol 2, pp. 315-318, 26-28 February, 2011.
13. Getsy S Sara and **D. Sridharan**, "Design Framework of Collision avoidance and Energy Efficient MAC in MWSN", in the Proceedings of 3rd IEEE International Conference on Signal Acquisition and Processing (ICSAP), Singapore, Vol 2, pp. 76-80, 26-28 February, 2011.
14. S. Neelavathy Pari and **D. Sridharan** "Mitigating Routing Misbehavior in Self Organizing Mobile Ad hoc Network using K-neighbourhood Local Reputation System", in the Proceedings of International conference on Recent Trends in Information Technology (ICRTIT), DOI:10.1109/ICRTIT.2011.5972464, Chennai, India, pp: 313-317, 3-5 June, 2011.
15. C. Prabhu and **Dr. D. Sridharan**, "Design and Applications of Low Power High-Speed Error Tolerant Adder", in the Proceedings of National Conference on Microwave and Optical Communication (NCMOC), Karaikudi, India, pp., 30th March, 2011.
16. P. Natarasan and **Dr. D. Sridharan**, "Design of Low Power and Low Area AES based Image Encryption and Decryption", in the Proceedings of National Conference on Microwave and Optical Communication (NCMOC), Karaikudi, India, pp., 30th March, 2011.
17. Ashutosh Dwivedi and **Dr. D. Sridharan**, "Design of Area - Efficient VLSI Architecture for Symbol Deinterleaver", in the Proceedings of 2nd National Conference on Intelligent Computing and Control for Engineering Applications (NCICE), Coimbatore, India, S.N.68, pp 356-358, April, 2011.
18. D. Janaki and **Dr. D. Sridharan**, "Identification of Misbehavior Node in Mobile AD-HOC Network", in the Proceedings of National conference on Microwave and Optical Communication (NCMOC), Karaikudi, India, pp., 30th March, 2011.
19. D. Vishnupriya and **Dr. D. Sridharan**, "On-Chip Genetic Algorithm for Wireless Sensor Network Based on Energy Efficient Routing", in the Proceedings of National Conference on Microwave and Optical Communication (NCMOC), Karaikudi, India, pp. 100-104, 30th March, 2011.
20. M. Archana and **Dr. D. Sridharan**, "Implementation of Array Switching SRAM to Reduce Power Consumption", in the Proceedings of 2nd National Conference on Intelligent Computing and Control for Engineering Applications (NCICE), Coimbatore, India, S.N.67, pp.353-355, April, 2011.
21. S. Neelavathy Pari, Narmadhadevi B and **D. Sridharan** "Requisite trust-based Secure Routing Protocol for MANETs", in the Proceedings of International Conference on Recent Trends in Information Technology (ICRTIT), DOI:10.1109/ICRTIT.2012.6206806, Chennai, India, pp. 276-281, 19-21 April, 2012.

22. S. Neelavathy Pari, Sabarish J and **D. Sridharan** "A trust system in manet with secure key authentication mechanism", in the Proceedings of International Conference on Recent Trends in Information Technology (ICRTIT) DOI:10.1109/ICRTIT.2012.6206818, Chennai, India, pp. 261-265, 19-21 April, 2012.
23. E. John Leons and **Dr. D. Sridharan**, "Hardware Architecture for a 32-Bit Decimal Floating Point Logarithmic Conversion Algorithm", in the Proceedings of proceedings of 5th National Conference on Electrical and Instrumentation Systems, Coimbatore, pp. 226-230, March, 2012.
24. T. Sathiya and **D. Sridharan**, "SCF- A Novel selfish replica allocation technique for MANET", in the Proceedings of IEEE National Conference on Current Trends in Engineering and Technology (CTET), Coimbatore, India, pp., Month, 2013.
25. A. Arunkumar and **D. Sridharan**, "Sender Adaptive and Receiver Driven Layered Multicasting Protocol for Scalable Video" in the Proceedings of IEEE National Conference on Current Trends in Engineering and Technology (CTET), Coimbatore, India, pp., Month, 2013.
26. B. Vetri and **Dr. D. Sridharan**, "Computer-Aided Diagnosis of Architectural Distortion in Prior Mammograms by using Haralick's & Laws' Texture Features", in the Proceedings of National Conference on Recent Trends in Communication, Computation & VLSI" (NCRCTCCV), Tirupur, India, 21st February, 2013.
27. Aby Augustine tom, **Dr. D. Sridharan**, "Design of Binary Field Multiplier Using Sequential Multiplier GF (2163)" in the Proceedings of 2nd International Conference on Futuristic Trends in Electronics Engineering (ICFTEE), Vandavasi, India, pp., 2-3 March, 2013.
28. R. Preethi and **D. Sridharan**," Multireference Re-ranking For Scalable Face Image Retrieval", in the Proceedings of 2nd International Conference on Futuristic Trends in Electronics Engineering (ICFTEE), pp., Vandavasi, India, March, 2013.
29. Tom Mathew, **D. Sridharan**, "Detection and Evaluation of Crohns Disease Lesions from Wireless Capsule Endoscopy Images", in the Proceedings of International Conference on Futuristic Trends in Electronics Engineering (ICFTEE), Vandavasi, India, pp., 3rd March, 2013.
30. K. Suriyakrishnaan, **D. Sridharan**, "A Review of Reliable and Secure Communication in Wireless Body Area Networks", in the Proceedings of 13th IRF International Conference, Chennai, India, ISBN: 978-93-84209-51-3. pp. 32-44, 14th September, 2014.
31. M. Ambigavathi and **D. Sridharan**, "A Survey on Wireless Body Area Networks: Issues in MAC Design," in the Proceedings of International Conference on Advanced Research in Engineering & Technology (ICA^RET), Chennai, India, vol. 1, pp.59-63, 18-19 April, 2014.
32. Brindha A and **D. Sridharan**, "FPGA Based Design and Implementation of Residue Generator for Arbitrary Moduli", in the Proceedings of National Conference on Microwave and Optical Communication (NCMOC), Karaikudi, India, 14th March, 2014.
33. Nazrin Fathima. N and **D. Sridharan**, "Implementation of Radix-2, Radix-4 and Radix-2[^]2 FFT Architectures", in the Proceedings of National Conference on Microwave and Optical Communication (NCMOC), Karaikudi, India, 14th March, 2014.

34. G.K. Monisha and **D. Sridharan**, "Optimized LUT Design for FIR Filter and its FPGA Implementation", in the Proceedings of International Conference held at Vellore, India, pp., 22nd March, 2014.
35. Deepa S and **D. Sridharan**, "Design and Verification of I2C Master Core with APB Interface using System Verilog", in the Proceedings of National Conference on Advancements in Computing Methodologies (NCACM), Coimbatore, India, 27-28 March, 2014.
36. M. Ambigavathi and **Dr. D. Sridharan**, "Priority Based AODV Routing Protocol for Critical Data in Wireless Body Area Networks", in the Proceedings of 3rd IEEE International Conference on Signal Processing, Communication and Networking (ICSCN), ISBN: 978-1-4673-6822-3, Chennai, India, pp.1-5, 26-28 March, 2015.
37. Nivedha S and **Dr. D. Sridharan**, "Area and Delay Optimized Modulo Adder for RNS based Processors", in the Proceedings of National Conference on Advanced Computing and Communication Systems (NCACCS), Coimbatore, India, pp.15-20, 16th April, 2015.
38. Suganya M, and **Sridharan D** "Radix-2m multiplier blocks for the design of 2's complement N-bit array multiplier" in the Proceedings of National Conference on Recent Trends in Electronics and Communication (NCRTEC), Kancheepuram, India, pp., 24-25 March, 2015.
39. Kovendan. AKP, **Dr. D. Sridharan**, "Cloud Based Information and Communication Technology for Smart Grids: A Survey", in the Proceedings of National Conference on Smart Grid and Renewable Energy Sources (NCSGRES), Chennai, India, pp., 20-21 March, 2015.
40. Divya N, Kovendan AKP and **Dr. D. Sridharan**, "Energy Efficient Data Acquisition System for Increasing the Lifetime of WSN", in the Proceedings of International Technical Conference on Electrical, Computing Engineering and Communication (ITCECC), Chennai, India, pp. 127-131, 15th April, 2015.
41. Kovendan. AKP and **Dr. Sridharan. D**, "Present Context of Smart Grids in India: A Survey", in the Proceedings of 1st International Conference on Nanoelectronics Circuits and Communication Systems(NCCS-2015), Ranchi, India, pp., 9-10 May, 2015.
42. Arun Vasanaperumal and **Dr. D. Sridharan**, "Increased Power Efficiency Technique for WSN Based on Clustering with Simultaneous Packet Reception", in the Proceedings of International Conference on Modelling, Simulation and Control (ICMSC), Coimbatore, India, pp. 767-771, 15-16 October, 2015.
43. Kovendan. AKP, Priyadharshini and **Dr. Sridharan. D**, "Design of Power Line Communication based ICT for Smart Grids", in the Proceedings of IEEE International Conference on Recent Trends in Electronics Information Communication Technology (RTEICT), Bangalore, India, pp. 1452-1455, 20-21 May, 2016.
44. M. Ambigavathi and **Dr. D. Sridharan**, "A Novel Priority Based Virtual Scheduling Algorithm for Wireless Body Sensor Network," in the Proceedings of 2nd International Conference on Signal Processing, Control and Data Analytics (ICSCD), organized by International Society for Scientific Research and Development (ISSRD), San Diego, USA, pp.59-67, 27-28 August, 2016.

45. Kovendan. AKP and **Dr. Sridharan. D**, “Enhancing distributed generation through maximizing the efficiency of Solar PV by hybridizing with Solar Thermal”, in the Proceedings of International Conference on Green Power Technology in Power Grid: Issues, Challenges & Control (GPTPG), Tirupati, India, pp., 16-18 November, 2016.
46. M. Ambigavathi and **Dr. D. Sridharan**, “Challenges of Energy Efficient and Priority Based MAC Protocols in Wireless Body Area Network,” IEEE 4th International Conference on Design and Manufacturing (IconDM), Indian Institute of Information Technology Design and Management, Kancheepuram, India, pp.90-94, December, 2016.
47. M. Ambigavathi and **Dr. D. Sridharan**, “A Review of Channel Access Techniques in Wireless Body Area Network,” in the Proceedings of 2nd IEEE International Conference on Recent Trends and Challenges in Computational Models (ICRTCCM), Tindivanam, India, pp.1-5, February, 2017.
48. M. Ambigavathi and **Dr. D. Sridharan**, “IoFCw: IoT based Fog Enabled Cloud Assisted Wireless Body Area Network: A Survey”, in the proceeding of International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST), Trichy, India, pp. 226-230, 31-1 March/April, 2017.
49. Arifa Anwar and **D. Sridharan**, “A Performance Comparison of Routing Protocols Designed for Body Area Networks”, IEEE International Conference on Nextgen Electronic Technologies: Silicon to Software (ICNETS2), pp. 108-111, Vellore Institute of Technology, Chennai, India, 2017.
50. Kovendan. AKP and **Dr. Sridharan. D**, “Dynamic Distance based Cluster Head election for maximizing Efficiency in Wireless Sensor Networks using Artificial Neural Networks”, in the Proceedings of 5th International Conference on Advanced Computing, Networking, and Informatics (ICACNI), pp.1-3, Goa, India, 1-3 June 2017.
51. S. Sivapriya and **Dr. D. Sridharan**, “Energy Efficient MAC Protocol for Body Centric Nano-Networks (BANNET)”, Ninth International Conference on Advanced Computing (ICoAC), pp. 422-426, Chennai, India, 14-16 December 2017.
52. M. Ambigavathi and **Dr. D. Sridharan**, “CEBANet: Cloud Enabled Body Area Network for Smart Healthcare Delivery System”, IEEE International Conference on Computing, Communication and Drastic Innovations in Energy Thrive (IC3DIET’18), University College of Engineering, Panruti, India, pp.no.226-230, February-March, 2018.
53. M. Ambigavathi and **Dr. D. Sridharan**, “Saturation Throughput Analysis of IEEE 802.15.6 under Ideal Transmission Channel Condition”, Elsevier International Conference on Computational Intelligence and IoT (ICCIoT) 2018, National Institute of Technology, Agartala, Tripura, India, December, 2018.
54. M. Ambigavathi and **Dr. D. Sridharan**, “Big Data Analytics in Healthcare”, 10th IEEE International Conference on Advance Computing (ICOAC 2018), Madras Institute of Technology, Chrompet, Chennai, India, December, 2018.
55. Arifa Anwar and **Sridharan D**, ‘November. Error Reduction Scheme in WBSNs Based on Channel Assessment’, IEEE Conference on Wireless Sensors (ICWiSe) pp. 29-33. IEEE. 2018

56. M. Ambigavathi and **Dr. D. Sridharan**, “Analysis of Clustering Algorithms for Healthcare Data Set”, 4th International Conference on Advances in Computing and Data Sciences (ICACDS)-2020, University of Malta, Valletta, Malta, April 24- 25, 2020.

International Journals

1. **Sridharan D.**, Sakthivel P. and Srivatsa S.K, “Intelligent Document Classification for Web Document Retrieval”, International Journal of Knowledge-Based Intelligent Information Engineering Systems and Allied Technologies, ISSN: 0922-6389, Vol. 82, pp.796-800, 2002. (**Scopus**)
2. **Sridharan D.**, Sakthivel P. and Srivatsa S.K., “Intelligent Document Categorization for Information Retrieval based on Inter-Connected Neurons”, Iranian International Journal of Science, ISSN:1607-4033, Vol.4 (1), pp.87-96, 2003.
3. Menaka S. and **Sridharan D.**, “DDoS Detection in Wireless Network using OMNET++”, International Journal on Systemics, Cybernetics and Informatics(IJSCI), ISSN: 0973-4864, pp.88-94, 2006.
4. Ramalatha S and **Sridharan D.**, “VLSI Based High Speed Karatsuba Multiplier for Cryptographic Application Using Vedic Mathematics”, International Journal on Systemics, Cybernetics and Informatics, ISSN: 0973-4864, pp.46-5, 2007.
5. ChandraMohan B. and **Sridharan D.**, “Internet Middle-Box Protocol: Reliable Wireless Mesh Networks using Self-Motivated Neural Network”, International Journal of Engineering research and Industrial Applications (IJERIA), ISSN: 0974-1518, Vol. 1 No. VI, pp.263-274, 2008. (**Google Scholar**)
6. Sivagami A, Pavai K, **Sridharan D**, Satya Murty S.A.V, “Design Issues on Tree Based Aggregation Algorithms in Wireless Sensor Networks”, International Journal of IT and Knowledge Management, ISSN: 1741-5179, Vol. 1, No. 2, pp.449-462, 2008. (**Scopus, Elsevier**) (**UGC**)
7. V. Berlin Hency, Preetha E, Vadivelan M, Saranya K, **Sridharan, D.**, “Enhancement of handoff speed by Improving Mobility of Data Packets”, International Journal of Engineering and Technology (IJET), ISSN: 0975-4024, Vol.1, No. 2, pp.146-150, 2009. (**Google Scholar**) (**UGC**)
8. V. Berlin Hency, Christina J, Dhushanthini A, Aiswariya V.T, **Sridharan, D**, “An Enhanced Fast Handover Using Hierarchical Setup for Mobile IP”, International Journal of Engineering and Technology (IJET), ISSN: 0975-4024, Vol.1, No. 3, pp. 213-218, 2009. (**Google Scholar**) (**UGC**)
9. Bharathi, B. and **Sridharan, D**, “UML as an Architecture Description Language”, International Journal of Recent Trends in Engineering and Technology, Vol. 1, No. 2, pp. 230-232, 2009.
10. Getsy S Sara, S. Neelavathi Pari, **D. Sridharan**, “Energy Efficient Ad hoc On Demand Multipath Distance Vector Routing Protocol”, International Journal of Recent Trends in Engineering (IJRTE), ISSN: 1797-9617, Vol.2, No.3, pp. 10-12, 2009.

11. Ezhumalai, P, Sakthivel, P., **Sridharan, D.**, Arun, C. and 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, 3(2), pp. 233-239, 2009.
12. Ezhumalai P, Arun C, Manojkumar S, Sakthivel P, **Sridharan D**, “High Performance Hybrid Two Layer Router Architecture for FPGA using Network-On-Chip”, International Journal of Computer Science and Information Security(IJCSIS), ISSN: 1947-5500, Vol. 7 No.1, pp.266-272, 2010. (**Google Scholar, Thomson Reuters**)
13. Sivagami A, Pavai K, **Sridharan D**, “Latency Optimized Data Aggregation Timing model for Wireless Sensor Networks”, International Journal of Computer Science Issues, ISSN: 1694-0784, Vol. 7, Issue 3, No. 6, pp.42-48, 2010. (**Google Scholar, EBSCO**)
14. Sivagami A., 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 Networks, ISSN: 0975-3834, Vol. 2, No. 2, pp. 47-60, 2010. (**Google Scholar, EBSCO**)
15. Sivagami A, Pavai K, **Sridharan D**, Satya Murty S.A.V, “Estimating the Energy Consumption of Wireless Sensor Node: IRIS”, International Journal of Recent Trends in Engineering and Technology, ISSN 1797-9617, Vol. 3, No. 4, pp.141-143, 2010.
16. T. Kavitha, **D. Sridharan**, “Security Vulnerabilities in Wireless Sensor Networks: A Survey”, Journal of Information Assurance and Security (JIAS), ISSN: 1554-1010, Issue 5, pp. 31-44, 2010. (**Google Scholar**) (**UGC**)
17. Getsy S Sara, S. Neelavathi Pari, **D. Sridharan**, “Evaluation and Comparison of Emerging Energy Efficient Routing Protocols in MANET”, ICTACT Journal on Communication Technology, ISSN: 0976-0091, Vol.01, pp.37-46, 2010. (**IET Inspec, DOAJ, COPERNICUS**)
18. T. Kavitha, **D. Sridharan**, “Hybrid Design of Scalable Key Distribution for Wireless Sensor Networks”, International Journal of Engineering and Technology (IJET), ISSN: 0975-4024, Vol.2, No.2, pp.136 – 141, 2010. (**Google Scholar**) (**UGC**)
19. R. Kalaiarasi, 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), ISSN: 0975-9646, Vol. 2, No.5 pp. 31-42, 2010. (**Google Scholar**) (**UGC**)
20. Getsy S Sara, R. Kalaiarasi, S. Neelavathi Pari, **D. Sridharan**, “Energy Efficient Clustering and Routing in Mobile Wireless Sensor Network”, International Journal of Wireless and Mobile Networks (IJWMN), ISSN: 0975-3834, Vol.2, No.4, pp.106-114, 2010.(**Google Scholar, EBSCO**)
21. T. Kavitha, **D. Sridharan**, “A Novel Identity based Deterministic Key Distribution for Wireless Sensor Network”, European Journal of Scientific Research, ISSN: 1450-216X, Vol.54 No.3 pp.363-374, 2011. (**Thomson Reuters, WoS**)

22. S. Neelavathy Pariand **D. Sridharan** "A Performance Comparison and Evaluation of Analyzing Node Misbehavior in MANET using Intrusion Detection System", International Journal of Computer Science & Engineering Technology (IJCSET), ISSN: 2229-3345, Vol. 1, No.1, pp.35-40, 2011. (**Google Scholar**) (**UGC**)
23. V. Berlin Hency, **D. Sridharan**, "Enhancement of QoS of WLAN by Improving Handoff Speed using an Efficient COA Assignment", European Journal of Scientific Research, ISSN: 1450-216X, Vol.54, No.2, pp.207-214, 2011. (**Thomson Reuters, WoS**)
24. V. Berlin Hency, 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), ISSN: 0976-9757, Vol.2, No.5, pp.77-86, 2011. (**Google Scholar**)
25. S. Neelavathy Pari and **D. Sridharan**, "Design of Cross Layered Security Architecture to Mitigate Misbehaving Nodes in Self-Defending Network", European Journal of Scientific Research, ISSN: 1450-216X, Vol.77 No.1, pp.37-45, 2012. (**Thomson Reuters, WoS**)
26. Ulagamuthalvi V, Kulanthaivel G and **Sridharan D.**, "A Novel approach for diagnosing liver lesion images in telemedicine mode", Nitte University Journal of Health Science, Vol. 2(4), pp. 50-53, 2012.
27. Getsy S Sara, S Prasanna Devi and **Sridharan, D.**, "A Genetic-Algorithm-Based Optimized Clustering for Energy-Efficient Routing in MWSN", ETRI Journal, ISSN: 1225-6463, Vol. 34, No. 6, pp. 922-931, 2012. (**Scopus, WoS**) (**UGC**)
28. Ulagamuthalvi, V and **Sridharan, D.**, "Development of Diagnostic Classifier for Ultrasound Liver Lesion Images", International Journal of Computer Applications, Vol. 52(18), pp. 12-15. ISSN: 0975 – 8887, 2012. (**Google Scholar**) (**UGC**)
29. Ulagamuthalvi, V and **Sridharan, D.**, "Liver Cancer Tumor Segmentation on ultrasound Images", International Journal of Computational Intelligence and Informatics, Vol. 2(1), pp. 68-71. ISSN: 2349-6363, 2012.
30. Getsy S Sara and **Sridharan, D.**, "Design Framework of Collision avoidance and Energy Efficient MAC in MWSN", International Journal of Computer and Electrical Engineering, ISSN: 1793-8163, Vol. 4, No. 4, pp. 542-546, 2012. (**Google Scholar, IET, EI**) (**UGC**)
31. V. Berlin Hency and **D. Sridharan**, "Multi-Cast Supported Fast Handover for Proxy Mobile IPv6", Journal of Computer Science, ISSN 1549-3636, 9(3), pp 368-376, 2013. (**Scopus**) (**UGC**)
32. T. Kavitha and **D. Sridharan**, "Key Distribution Scheme using Modulo Operation for WSN", International Information Institute (Tokyo), ISSN: 1343-4500, Vol. 16, Issue 11, pp.8213-8228, 2013.
33. T. Kavitha and **D. Sridharan**, "Optimal Resource Key Management Protocol for Clustered Heterogeneous Wireless Sensor Networks", Malaysian Journal of Computer Science, ISSN: 0127-9084, Vol. 26, Issue 3, pp. 211-231, 2013. (**WoS & Scopus**)(**UGC**)
34. T. Kavitha and **D. Sridharan**, "Probabilistic Key Chain Based Key Distribution Schemes for WSN", International Review on Computers and Software, ISSN: 1828-6003, Vol. 8, No. 5, pp. 1156-1169, 2013. (**Scopus**) (**UGC**)

35. R. Kalaiarasi and D. **Sridharan**, "Performance Improvement of Mobile Ad Hoc Network Using Particle Swarm Optimization", Journal of Computational Information Systems, ISSN: 1553-9105, vol.9 No.11, pp.1-9, 2013. (**Scopus**) (**UGC**)
36. R. Kalaiarasi and **D. Sridharan**, "A Novel RTS-CTS Collision Avoidance Algorithm to Improve the QoS in Mobile Ad hoc Network", Asian Journal of Scientific Research, ISSN: 1992-1454, Vol.6 No.4, pp. 797-804, 2013. (**Scopus, Google Scholar**)(**UGC**)
37. R. Kalaiarasi and **D. Sridharan**, "Timeout Misbehavior Detection Algorithm: A Novel Method for the Detection of MANET Misbehavior", International Review on Computers and Software, ISSN: 1828-6003, Vol. 8. No. 5, pp. 1091-1096, 2013. (**Scopus**) (**UGC**)
38. R. Kalaiarasi and **D. Sridharan**, "Mitigating Misbehaving Node Using Receiver Network Allocation Vector", International Journal of Computer and Electrical Engineering, ISSN: 1793-8163, Vol. 5, No. 1, pp. 76-78, 2013. (**IET Inspec, IET, Google Scholar**) (**UGC**)
39. S. Neelavathy Pariand **D. Sridharan**, "A Zero Knowledge Protocol for Authentication based on the Primitive Pythagorean Triples", Jokull Journal, ISSN: 0449-0576, Vol.64, No.1 pp. 58-69, 2014. (**Thomson Reuters**)
40. S. Neelavathy Pariand **D. Sridharan**, "A 50-50 packet trade model in MANET to detect misbehaving nodes by ZKP authentication protocol", Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645, Vol.66 No.3, pp. 851-860, 2014.(**Elsevier Scopus, Google Scholar**)(**UGC**)
41. K. Pavai and **D. Sridharan**, "Enhanced EARQ Protocol for Reliable Routing in Wireless Sensor Networks", Research Journal of Applied Sciences, Engineering and Technology, ISSN: 2040-7459, Vol.8(5) pp. 664-667, 2014. (**Google Scholar**)
42. Getsy S Sara and **Sridharan, D.** "Routing in Mobile Wireless Sensor Network: A Survey", Springer Telecommunication Systems, ISSN: 1018-4864, Vol. 57(1), pp. 51-7, 2014. (**Scopus, EI, Google Scholar**) (**UGC**)
43. K. Pavai and **D. Sridharan**, "Transmissible Distance based Routing for Wireless Sensor Networks" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9, No. 24, pp. 26645-26660, 2014. (**Scopus, Google Scholar**) (**UGC**).
44. P.T. Sharavanan, R. Kumar and **D. Sridharan**, "A Comparative study of Cross Layer Protocols in WBAN", Australian Journal of Basic and Applied Sciences, ISSN: 1991-8178, 9(16) Special 2015, pp. 294-300, 2015. (**Scopus, DOAJ**)
45. N. Divya, Kovendan AKP and **D. Sridharan**, "Energy Efficient Data Acquisition system for increasing the lifetime for WSN", International Journal of Networks, ISSN (Online): 2454-1060, Vol. 1, Issue. 1, pp. 10-14, 2015. (**Google Scholar**)
46. Arifa Anwar and **D Sridharan**, "A Survey on Routing Protocols for Wireless Sensor Networks in Various Environments", International Journal of Computer Applications, ISSN:0975 – 8887, Vol. 112, No. 5, pp. 13-29, 2015. (**Google Scholar, EBSCO**) (**UGC**)

47. M. Ambigavathi and **Dr. D. Sridharan**, “Research Challenges of IEEE 802.15.6 Standard for Wireless Body Area Networks”, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.5, pp. 1846-1849, 2015. (**Scopus, Google Scholar**) (**UGC**).
48. Magdalene, R. and **D. Sridharan**, “Performance Analysis on Energy Efficient Multimedia Streaming Techniques Using Cloud Infrastructure”, Advances in Natural and Applied Sciences, ISSN:1995-0772, Vol.9 (9), pp. 24-28, 2015. (**Scopus, DOAJ**)
49. Arun Vasanaperumal and **D. Sridharan**, “Implementation of Improved Network Lifetime Technique for WSN using Cluster Head Rotation and Simultaneous Reception”, ICTACT Journal on Communication Technology, ISSN: 2229-6948, Vol. 6(3), pp. 1141-1145, 2015. (**IET Inspec, DOAJ, COPERNICUS**)
50. R. Divya Sharon and **D. Sridharan**, “Implementation of low power Wireless Sensor Node with fault tolerance mechanism”, SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE), ISSN: 2348 – 8352, Vol. 3(4), pp. 1-5, 2016. (**Google Scholar**) (**UGC**)
51. A. Gopinath and **D. Sridharan**, “An Optimized Radix-8 Sum to Modified Booth Re-coder for FAM Design”, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), ISSN: 2278 – 909X, Vol. 5(4), pp. 1036-1041, 2016. (**Google Scholar**) (**UGC**)
52. Suriya Krishnan, K. and **Sridharan, D**, “Critical Data Delivery Using TOPSIS in Wireless Body Area Networks”, Circuits and Systems, ISSN: 2153-1285, Vol. 7, pp. 622-629, 2016. (**Google Scholar, EBSCO**)
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), ISSN: 2351-8014, Vol. 24 No. 2, pp. 417-422, 2016. (**Google Scholar**)
54. Kovendan, A.K.P. and Sridharan, D. “Wireless Sensor Networks Based Control Strategies for the Enhancement of Reliability in Smart Grids, Circuits and Systems, ISSN Print: 2153-1285, ISSN Online: 2153-1293, Vol. 7, pp. 2499-2506, 2016. (**Google Scholar, EBSCO**)
55. 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), ISSN: 2231-4334, Vol. 6, Issue 7, pp. 184-199, 2016. (**Scopus, Google Scholar, Thomson Reuters**).
56. 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), ISSN:2348-7550, Vol.5 no.6, pp.140-151, 2017. (**Google Scholar**) (**UGC**)
57. R. B. Aparnaa and **D. Sridharan**, “Signature Based Intrusion Detection System for UWB Wireless Sensor Networks”, Advances in Natural and Applied Sciences, ISSN:1995-0772 EISSN: 1998-1090, vol. 11, No. 1, pp.1-7, 2017. (**Scopus, DOAJ**)

58. 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), ISSN: 2319-8354, Vol.6 no.7, pp.1162-1170, 2017. (**Google Scholar**) (**UGC**).
59. 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), ISSN (online): 2349-6010, vol. 4, No. 2, pp.83-89, 2017. (**COPERNICUS**) (**UGC**).
60. 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), ISSN: 2319-8346, Vol.6 No.9, pp.176-186, 2017. (**Google Scholar**) (**UGC**).
61. 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, ISSN:2147-6454, Vol. 6, No.1, pp. 60-65, 2018.
62. 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, ISSN:2147-6454, Vol. 6, No.1, pp. 72-77, 2018.
63. Pinky Roshan K P V and **Dr.D.Sridharan**, "Capacity Maximization through Depreciation of Carrier Frequency Offset and Sampling Timing Offset in MIMO OFDM Systems", The International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Vol. 5, Issue 3, pp. 25-42, 2018. (**Google Scholar**) (**UGC**)
64. M. Ambigavathi and **Dr. D. Sridharan**, "Energy Efficient and Load Balanced Priority Queue Algorithm for Wireless Body Sensor Network," Elsevier Journal of Future Generation System, ISSN: 0167-739X, Vol.88, pp. 586-593, 2018. (**Web of Science, Scopus,) UGC**).
65. Arifa Anwar and **Dr. D. Sridharan**, "A Predictive Routing Algorithm for WBSN Based on Kalman Filter Iterations", IEEE Sensors Journal, ISSN: 1558-1748, Print ISSN: 1530-437X, Vol.18, No.18, pp.7741-7748, 2018
66. M. Ambigavathi and **Dr. D. Sridharan**, "Traffic Priority based Channel Assignment Technique for Critical Data Transmission in Wireless Body Area Network", Springer Journal of Medical Systems, ISSN: 0148-5598, Vol.42:206, pp.1-19, 2018. (**Web of Science, Scopus, UGC**).
67. K. Suriyakraishnaan and **D. Sridharan**, "Reliable Packet Delivery in Wireless Body Area Networks using TCDMA Algorithm for e-Health Monitoring system", Wireless Personal Communications, Springer, ISSN: 0929-6212, DOI: 10.1007/s11277-018-5998-5, pp.1-18, 2018.

68. P.T. Sharavanan, Dr. **D. Sridharan** and R. Kumar, "A Privacy Preservation Secure Cross Layer Protocol Design for IoT Based Wireless Body Area Networks using ECDSA Framework', Journal of Medical System, ISSN: 0148-5598, Vol. 42, No. 196, pp.1-11, 2018.
69. P.T. Sharavanan, Dr. **D. Sridharan** and R. Kumar, "A Privacy Preservation Secure Channel – Physical Value Based ECDSA Algorithm for WBAN, Cluster Computing", DOI: 10.1007/s10586-018-2670-5.
70. G.V. Shaamili Varsa and **D. Sridharan**, "A balanced energy efficient virtual backbone construction algorithm in wireless sensor networks", AEU-International Journal of Electronics and Communication, 2019, Vol. 107, pp. 110-124,

Book Chapters

1. S. Menaka and **D. Sridharan**, "ICMPv6 Cumulative Path Traceback in Mobile Ad hoc Networks", 2006, Book Title: Advances in Intelligent IT, Publisher: IOS Press, ISBN print: 978-1-58603-615-7, ISBN online: 978-1-60750-172-5, pp.346-351. (**Scopus**)
2. B. Chandra Mohan, R. Sandeep, and **D. Sridharan**, "A Data Mining Approach for Predicting Reliable Path for Congestion Free Routing Using Self-motivated Neural Network", 2008, Book Title: Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing, Series Title: Studies in Computational Intelligence, Publisher: **Springer Berlin Heidelberg**, Print ISBN: 978-3-540-70559-8, Online ISBN: 978-3-540-70560-4, Series ISSN: 1860-949X, Vol. 149, pp. 237-246. (**Indexed by ISI, EI and Scopus**).
3. Getsy S Sara, R Kalaiarasi, S Neelavathy Pari, **D Sridharan**, "Energy efficient mobile wireless sensor network routing protocol", 2010, Book Title: Recent Trends in Networks and Communications, Series Title: Communications in Computer and Information Science, Publisher: **Springer Berlin Heidelberg**, Print ISBN: 978-3-642-14492-9, Online ISBN: 978-3-642-14493-6, Series ISSN: 1865-0929, Vol. 90, pp. 642-650. (**Indexed by ISI, EI and Scopus**).
4. V Berlin Hency, S Aravind Prasad, Y RA Kannan, **D Sridharan**, "Cognitive Handoff Avoidance and QoS Improvement in WLAN", 2011, Trends in Network and Communications, Series Title: Communications in Computer and Information Science, Publisher: **Springer Berlin Heidelberg**, Print ISBN: 978-3-642-22542-0, Online ISBN: 978-3-642-22543-7, Series ISSN: 1865-0929, Vol. 197, pp. 262-271. (**Indexed by ISI, EI and Scopus**).
5. M. Ambigavathi and **Dr. D. Sridharan**, "Energy-Aware Data Aggregation Techniques in Wireless Sensor Network", 2016, Book Title: Lecturer Notes in Electrical Engineering, Series Title: Advances in Power Systems and Energy Management, Publisher: **Springer Nature**, Print ISBN: 978-981-10-4393-2, Online ISBN: 978-981-10-4394-9, Series ISSN: 1876-1100, Vol. 436, pp. 1-672. (**Indexed by ISI, EI and Scopus**).
6. M. Ambigavathi and **Dr. D. Sridharan**, "An Effective Dynamic Time Slot Allocation Scheme for Wireless Body Area Network", 2017, Book Title: Lecturer Notes in Electrical Engineering, Series Title: Wireless Communication Networks and Internet of Things, Publisher: Springer Nature, Print ISBN: 978-981-10-8662-5, Online ISBN, Series ISSN: 1876-1100, Vol. 493, pp. 1-672. (**Indexed by ISI, EI and Scopus**). (UGC)

7. Kovendan, A. K. P., and **D. Sridharan**, "Development of Smart Grid System in India: A Survey", 2017, Book Title: Lecture Notes in Electrical Engineering, Publisher: **Springer Verlag**, ISSN: 1876-1100, Vol. 403 No.23, pp.275-285. (**Indexed by ISI, EI and Scopus**).
8. Arifa Anwar and **D. Sridharan**, "Optimized Location for on Body Sink for PRPLC Protocol in WBAN", 2017, Book Title: Advances in Intelligent Systems and Computing Series, Publisher: **Springer Nature**, In Print (**Scopus, Google Scholar**) (**UGC**).
9. M. Ambigavathi and **Dr. D. Sridharan**, "Low-Delay Channel Access Technique for Critical Data Transmission in Wireless Body Area Network", 2018, Book title: Advances in Computing and Data Sciences, Series Title: Communications in Computer and Information Science, Publisher: Springer Singapore, Print ISBN: 978-981-13-1810-8, Online ISBN: 978-981-13-1809-2, Series ISSN: 1865-0929, Vol.905, pp.144-153. (Scopus and UGC).
10. M. Ambigavathi and Dr. **D. Sridharan**, "FCAAC: A Fast Channel Assignment Algorithm for Critical Data Transmission in Wireless Body Area Network", 2018, Book title/series: Advances in Intelligent Systems and Computing, Publisher: Springer Nature, Singapore, Print ISBN: 978-981-10-8633-5, Online ISBN: 978-981-10-8633-5, Series ISSN: 2194-5357, Vol., pp. (Scopus and UGC) (In Print)
11. Magdalene R and **Sridharan D**, "Comparative Analysis of FCFS and SJF for Multimedia Process Scheduling", 2020, Jayakumari J., Karagiannidis G., Ma M., Hossain S. (eds) Advances in Communication Systems and Networks. Lecture Notes in Electrical Engineering, Springer, Singapore, vol 656.
12. M. Ambigavathi and **Dr. D. Sridharan**, "Packet Error Probability Model for IEEE 802.15.6 MAC Protocol in Wireless Body Area Network", 2020, Book Title, Series Title: Advances in Intelligent Systems and Computing, Publisher: Springer Singapore, Print ISBN: 978-981-10-8617-6, Online ISBN: 978- 981-13-8618-3, Vol., pp. (Indexed by ISI, EI and Scopus). (UGC). (Under Proof Editing)