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**Dr. Sheela T.**

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**NAME** : Dr. T.SHEELA

**DESIGNATION** : PROFESSOR& H.O.D

**DEPARTMENT** : Information Technology

**QUALIFICATION** : B.E., M.S., Ph.D

**AREA OF SPECIALIZATION** : Computer Network and Security

**EXPERIENCE** : Teaching: **UG:** 27 **PG:** 10

**WEB SITE ADDRESS** : [www.sheelathavasi.com](http://www.sheelathavasi.com)

**Aim:**

To encourage creativity and higher-order thinking among students and improve standards of academic and innovative research activities.

**Objective:**

To recognize, reinforce and promote interdependence between teaching, research and professional practice.

**Education:**

- Ph.D. in Computer Science and Engineering (Specialization area is Computer Network).**2005-2010**
- M.S. in Computer Science and Engg. BITS-PILANI in Computer Science.**1991-1993**
- B.E Computer Science and Engineering, Madurai Kamaraj University.**1986-1989**

### **Workshop/Conferences/FDP/SDP/SEMINAR Organized:**

**(FUNDED BY AICTE, CSIR, MOCIT, ISTE .IEEE etc)**

### **INTERNATIONAL CONFERENCE ATTENDED AND ORGANIZED**

1. **Attended an International Conference (ICONDEEPCOM'23. ) at SRM Institute of Science and Technology , on 19/04/2023, Chennai**
2. **Attended ( In Vitual mode) an 3<sup>rd</sup> International Conference on Communication ,Networks and Computing on 8<sup>th</sup> dec 2022 , Gwalior , MP**
3. **Organized an International Conference on Computing , Communication and Technologies (ICCCT'21) ON16/12/2021 and 17/12/2021**
4. **Organized an International Conference on Computing , Communication and Control ( ICCCC-2020) on 28<sup>th</sup> and 29 th Feb 2020.**
5. **Organized an IEEE International Conference on Computing and Communication Technologies (ICCCT'15 and ICCCT'17) on Feb 2015 , Feb 2017, Feb 2019.**
6. **Organized the Technology Enterneurpreship Development program (TEDP) was sponsored (Rs.3, 00,000) by DST-NIMAT during sep 2016-oct 2016.**
7. **Attended an International Conference on E-Learning, E-Business, Enterprise Information Systems and E-Government (EEE'14) at Las Vegas, Nevada, USA On 21/07/2014 TO 24/07/2014. Travel grant sponsored by **SERB** under **Department of Science and Technology, Delhi** and Our Management**

8. Organized an International Conference on Information, Systems and Computing (ICISC'13) -2013 which was **sponsored by** AICTE, CSIR and ISTE.
9. Organized an International conference on “Innovative computing, Information and communication Technology” (ICICT'09) from 16.12.2009 to 18.12.2009 which was **sponsored by** AICTE- **Rs.2, 80,000**
10. Coordinator – International Conference on “**Computer Communication & Control**” (INCON –CCC'04) from 20.08.04 to 22.08.04.

#### **NATIONAL CONFERENCE / PROGRAMME ORGANIZED:**

1. Convener for the Technology Entrepreneurship Development Program held on 07/09/2016 to 21/10/2016 and was funded by DST, NIMAT, Delhi
2. Prime member for the Faculty development Program on Java Fundamentals and Java Programming held on 25/04/2016 to 29/04/2016 and sponsored by ORACLE in association with ICTACT.
3. Convener for the National Conference on Recent Trends in Computing and Technology (NCRTCT'16) on 29/04/2016 and was sponsored by ISTE CHAPTER.
4. Organized National Conference on Computing and Technology(NCCT'14) On 7<sup>th</sup> march 2014(Sponsored by Industry)
5. Convener for the national level Seminar on “**Service Oriented Architecture**”, held on 05/01/2012 to 06/01/2012 and was sponsored by CSIR.
6. Coordinator for the Staff development programme and organized a national level seminar on “**Research Methodologies in Next Generation Wireless Networks**”, held on 19.09.2010 to 21.09.2010 and sponsored by The Ministry of Communication and Information Technology.

7. Coordinator for the **Staff Development Programme on Mobile Networks**, held on 19.01.09 to 30.01.09 and **sponsored** by AICTE
8. Convener for the Faculty Development Programme (FDP), held on 11.06.07 to 23.06.07 and **sponsored by** Anna University
9. Coordinator for the National Conference on distributed Computing & Knowledge and Engineering, held on 16.09.05 & 17.09.05 and Sponsored by ISTE.
10. Coordinator for the National Level Technical symposium named SAITECHCELLENCE.
11. Convener for the Women Empowerment program that was sponsored by Anna University.

#### **FUNDED PROGRAM AND PROJECTS:**

1. Received 350\$ from IEEE SPAX ( USA) for the event Synergia'23 on July 2023.
2. Received 250\$ from IEEE SPAX ( USA) for the Event on March 2023
3. Received Rs.1,00,000 fund from AICTE SPICES program for M-apps Club ( 2022-2023)
4. The project titled **“Performance Analysis of Congestion Control Schemes for TCP based protocols in High Bandwidth Network”** was called for discussion under RPS scheme by AICTE on 05-FEB-2008. (Ref.RID / PRES - (G-3) / 2007 – 2008 / RPS – 114 Dt. 18.01.2008.
5. The project titled **“E – Drive Automated verticals for Disabled and Multi Purpose Robot”** was selected under a scheme of NCP at AICTE and sponsored **Rs.15, 00,000.**(Ref.8024 / RID / B0111 / NCP (5) / 2008 – 2009 Dt. 21.03.2009. 2010-2013(Three years)
6. The Project titled **“Mobiline”** was funded by Tamil Nadu State Council,2011.
7. The project titled **“Fool Proof Voting System with Biometric Authentication”** was examined under the scheme of **Ministry of Communication and Information Technology**. New Delhi (Ref: 8(3)/2010-IEAD Dt.19.11.2010)

8. The project titled “**Establishment of Video and Image processing Lab**” was sponsored by AICTE under the scheme named MODROBS .The Sponsored amount is **Rs.6, 00,000(2011)**
9. The Project Titled” Intelligent Letter Box” was funded by India Post / Tamilnadu circle and Sponsored Amount was Rs.5000/-(2007)

### **Membership in Professional Bodies:**

1. IEEE MEMBER-92536222
2. ISTE LIFE MEMBER –LM24089.
3. CSI Institution member-N1063362.
4. IEC member at International Institute of biotechnology and toxicology, Recognized By DST, Ministry of Science and Technology.
5. Senior member of International Association of Computer Science and Information Technology, Singapore - 80341620.
6. Member of International Association of Engineers (IAENG), Hong Kong-118316.

### **Research Competency and Contributions:**

#### **INTERNATIONAL JOURNALS**

1. **T.Sheela, CS.Aswin (2023),** A Novel Approach of Machine Learning Implementation in the Hospitality Industry, Inventive Systems and Control( Scopus Indexed)
2. **V.R.Sowmiyaa,A.Karthika,B.Shivani,T.Sheela(2022),”** Cloud Based E-Commerce Application For Organic Fertilizers, Pesticides And Other Products And Crop Disease Identification Using Computer Vision” International Conference on Computer Communication and Informatics,**(Scopus Indexed)**
3. **T.Sheela,V.Akila,B.Sravya and Harshitha.T(2022),”**Secure Online Examination System on Azure Cloud With load Balancer ”,International Conference on Computing and Communication Technologies,ICCT2021,PP.285-292. ,  
**(Scopus Indexed)**

4. **T.Sheela,R.MAnju,S.Harini (2022),**” Energy Audit on Solar Energy Switching” International Conference on Computing and Communications Technologies.
5. **Akila, V., Glory, K., Varma, P.S., ...Lohitha, T.V., Sheela, T.(2021),**” CITY CLEANLINESS DRIVE WEB PORTAL USING REGION BASED CONVOLUTIONAL NEURAL NETWORKS, E3S Web of Conferences,2021
6. **Akila, V., Sheela, T., Prashanthi(2021),**” A Comparative Analysis of Data Aggregation Based Routing Protocols Hierarchies and Comparing Secure Data Aggregation Protocols in Wireless Sensor Networks,, E3S Web of Conference
7. **R.Valarmathi,T.Sheela(2021),**” Heart disease prediction using hyper parameter optimization (HPO) tuning” Biomedical Signal Processing and Control. Volume 70,2021,103033,ISSN 1746-8094.
8. **T.Sheela,V.Akila(2021),** “ Intelligent car Anti-Theft Face Recognition System“, Journal of iJOE, Vol.17.
9. **T.Sheela, K.latha(2020) ,** ” Secure Transmission Of The Data Using Quantum Key Distribution Protocols And Rsa Algorithm, Journal of Critical Reviews, Issn :2394-5125, Vol.7,Issue.No.17,1339-1345
- 10.**Dr. Sheela Thavasi1, Raja TRS2, Vaidyam Jawahar Harikumar3(2020),** Electronic Health Record Management and Analysis, ISSN: 0193-4120 Page No. 13942 - 13947
- 11.**T.Sheela and K.Latha (2020) ,** Security Scheme in Cloud System Using Hyper Elliptic Curve and IFT Technique with QR Code, *Wireless personal Communication , 2019( web of science)*
- 12.**T.Sheela ,sivadinesh,Sathiya raj S (2019)** Pestilence Diagnoser ,Journal of the gujarath research society,volume 21.
- 13.**T.Sheela and V.Akila (2019),** Secure Data Aggregation to Preserve Data and Key Privacy in Wireless Sensor Networks with Multiple Sinks , 2019 IEEE Conference.

- 14.T.Sheela and Valarmathi (2019),** Differed service broker scheduling for data centres in cloud environment, 2019 Computer Communication, 146, 186-191(Web Of Science)
- 15.T.Sheela and Latha K (2019),** Block based data security and data distribution on multi cloud environment, Journal of Ambient Intelligence and Humanized Computing, ISSN 1868-5137, DOI 10.1007/s12652-019-01395-y,July 2019.(Web of Science-Annexure I)
- 16.T.Sheela and Valarmathi (2019),** RFM-PSO-RFM score based PSO task scheduling in cloud , International Journal of Innovative Technology and Exploring Engineering
- 17.Sheela T and K.Latha(2019),** Reducing cloud data breaches and improving data security using honey encryption algorithm , International Journal of Innovative Technology and Exploring Engineering, 2019
- 18.T.Sheela and Nithya (2019),** Publishing Electronic Medical Record akin to Privacy, International Journal on Alternative Therapies , ISSN 1078-6791, VOL.25.
- 19.T.Sheela and Nithya(2019),** Predictive delimiter for multiple sensitive attribute publishing , Cluster Computing, 2019.
- 20.T.Sheela and Valarmathi(2019),** Ranging and tuning based particle swarm optimization with bat algorithm for task scheduling in cloud computing , Cluster Computing, 2019.
- 21.T.Sheela and P.kalaiselvi (2018),** A review on energy minimization techniques in WSN , 2018Proceedings of the International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2018 ( Scopus indexed)
- 22.T.Sheela and Muthusamy(2018),** Sybil Attack Detection Based on Authentication Process Using Digital Security Certificate Procedure for Data Transmission in MANET, International journal of Engineering and Technology,vol.7,270-276.

- 23.T.Sheela and M.Nithya (2018),** “Relational Forecast Limiter Algorithm for ICD based EMRs, International Journal of Scientific Research in Computer Science Applications and Management Studies, vol 7, 103-106.
- 24.T.Sheela and M.Uma (2018),** A camera based human computer interaction through virtual keyboard assistant,IOP EBooks, doi:10.1088/1757-899X/402/1/012182.
- 25.T.Sheela and N.Sumathi (2018),** Enhanced Support Vector Machine Approach for Sentiment Analysis in Banking Sector, International Journal of Scientific Research in Computer Science Applications and Management Studies,vol.7,Issue
- 26.T.Sheela and M.Nithya (2018),**”Predictive delimiter for multiple sensitive attribute publishing, Cluster Computing, 2018. <http://doi.org/10.1007/s10586-017-1612-y> (Scopus indexed)
- 27.T.Sheela and P.Kalaiselvi (2018),** ”Region Based perimeter point selection scheme with dynamic relocation model for efficient blind spot detection lifetime maximization of WSN, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 03-Special Issue, 2018(Scopus Indexed)
- 28.T.Sheela and Latha K (2018) ,** Enforcing security in cloud environment using elliptic curve cryptography and third party auditing ,2018 International Journal of Engineering and Technology(UAE).
- 29.T.Sheela and Valarmathi(2017),**”Ranging and tuning based particle swarm optimization with bat algorithm for task scheduling in cloud computing, Cluster computing, <https://doi.org/10.1007/s10586-017-1534-8>(Scopus indexed).
- 30.T.Sheela and N.Sumathi (2017),**” Opinion Mining Analysis in Banking System Using Rough Feature Selection Technique from Social Media Text”, Journal of Advance Research and Control System , vol. 15, ISSN:1943 023X. 956-967, 2017(Scopus Indexed).
- 31.T.Sheela and N.Sumathi (2017),** “An Efficient Sentiment Analysis by Using Hybrid Naïve Bayes and SVM Approach in Banking Institution”, International Journal of Civil Engineering and Technology, Volume 8, Issue 12, December 2017, pp. 373–391(Scopus Indexed).



- 32.T.Sheela And T.K.Siva Kumar (2017),** A Novel Approach To Increase The Strength Of The Round Keys Using Initialization Value (Iv) With Key Forward Method In Enhanced Secure Data Encryption Standard (Es-Des), International Journal Of Civil Engineering And Technology (Ijciet) Volume 8, Issue 11, November 2017, Pp. 561–568, Article Id: Ijciet\_08\_11\_059. (**Scopus Indexed**).
- 33.T.Sheela and M.S.Abirami (2017),** ” Improved Speedup Performance in Automated Segmentation of Kidneys on Abdominal CT Images and Extracting its Abnormalities”, Volume 116 No. 21 2017, 799-810 ,ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) (**Scopus Indexed**).
- 34.T. Sheela ,N. Ashok Babu and R. Kumar (2017),** Optimal Positioning Of Base Station In Wireless Sensor Networks, Far East Journal of Electronics and Communications ,Volume 17, Issue 2, Pages 229 - 249 (April 2017) <http://dx.doi.org/10.17654/EC017020229>.(**Scopus Indexed**)
- 35.T,Sheela, Uma M (2017),** “Analysis of Collaborative brain Computer Interface based Personalized GUI for differently abled, Intelligent Automation and Soft Computing, ISSN 1079,8587,Impact factor 0.6 ,Annexure I (**Indexed in SCIE, Scopus**)
- 36.T.Sheela and V.Akila(2017),** “Efficient Packet Scheduling Technique for Data Merging in Wireless Sensor Networks, China Communications, April’2017. (**Web of Science**)
- 37.T.Sheela and K.Latha (2017),** “Cloud Security Using Biometric Access Control And Watermarked ECG, International Journal of Pharmacy & Technology, Vol. 9 | Issue No.1 | 28315-28322.( **Scopus Indexed**).
- 38.T.Sheela and M.S.Abirami(2017),** ” Improved Speedup Performance in Automated Segmentation of Kidneys on Abdominal CT Images and Extracting its Abnormalities, International Journal of Pure and Applied Mathematics, plied

- 39.T.Sheela and Uma .M (2016),** Usage Mining based Collaborative Assistive Tool using BCI for Differently Enabled , International Journal of Control Theory and Applications, ISSN 0974-5572, Vol.no.9, No.40 –Impact Factor 0.53.Annexure II **(Scopus Indexed) .**
- 40.T.Sheela. M.S.Abirami (2016),** Segmenting Abdominal CT Images using Localized Active Contour Model. International Journal of Control Theory and Applications, ISSN 0974-5572, Vol.no.9, No.40 –Impact Factor 0.53.Annexure II **(Scopus Indexed)**
- 41.V.Akila and Dr.T.Sheela (2016),** “An Efficient Tdma Technique with Priority Queues In Wireless Sensor Networks,” International Journal of Pharmacy & Technology, Vol. 8, Issue No.4, 21690-21700. **(Scopus Indexed)**
- 42.T. Sheela and P. Muthusamy (2016),** “Light Weight Random Bit Hashing Technique Based Addressing Scheme Based Sybil Attack Detection for Menet”, 9(28), 2016, pp. 1-9
- 43.Nithya and T.Sheela (2016),** “Cryptohashing : An Efficient Privacy Preserving Data Publishing”, International Journal of Control Theory Applications, Volume: No.9 (2016) Issue No. :28 (2016), Pages : 49-55.Nov 2016. **(Scopus Indexed)**
- 44.Nithya and T.Sheela(2016),** “Slicing+: An Efficient Privacy Preserving Data Publishing”, Indian Journal of Science and Technology, Vol 9(21), DOI: 10.17485/ijst/2016/v9i21/95142, June 2016. **(Scopus Indexed)**
- 45.R.Valrmathi and T.Sheela(2016),** “A Novel Hierarchical Scheduling Method for Managing Parallel Workloads in Cloud”, Global Journal of Pure and Applied Mathematics, ISSN 0973-1768 Volume 12, Number 2 (2016), pp. 1647-1662 **(Scopus Indexed)**

- 46.T.Sheela and B.Swetha(2016),** “Secure Information In Social Network Using cryptographic Techniques”, International Journal Of Science And Innovative Engineering & Technology, MAY 2016 ISSUE VOLUME 1
- 47.M.Uma and T.Sheela (2015) ,** “Brain computer interface based robot wheelchair control using motor Imagery”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 14 (2015) pp 34052-34062, **(Scopus Indexed)**
- 48.M.S.Abirami and T.Sheela (2015),”** Kidney Segmentation For Finding Its Abnormalities In Abdominal CT Images”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 12 (2015) pp. 32025-32034, **(Scopus Indexed)**
- 49.N.Sumathi and T.Sheela (2015),** “A survey for Social Media Intelligence using Natural Language Processing in a banking institution”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.69 (2015), **(Scopus Indexed)**
- 50.M.Nithya and T.Sheela(2014),** “Comparison on Recent Techniques in Data Publishing”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No. 21, 2014, **(Scopus Indexed)**
- 51.M.Nithya and T.Sheela (2014) ,** “A comparative Study on Privacy Preserving data mining Techniques”, International Journal of Modern Engineering Research(IJMER),ISSN:2249-6645,Vol.4.No.7,July 2014.**(Citation in Google Scholar and open Access )**
- 52.Seethalakshmi .R. and T.Sheela (2013),** “Wireless IP Network Gateway using Agro Multimedia Sensors for Paddy Field Monitoring “,-International Journal of Advanced and Innovative Research (IJAIR),ISSN:2278-7884,Vol.2,No.11,Nov 2013. <http://www.advanceresearchlibrary.com/ijairp18.aspx>
- 53.Sinijoy P.J. and T.Sheela (2013),** “Intelligence Induced Location Personalized Data Service”, – International Journal of Computer Networks and Wireless Communications (IJCNWC), ISSN: 2250-3501 <http://www.ijcnwc.org/papers/vol3no52013/7vol3no5.pdf> **Vol.3, No5, October, 2013**
- 54.V.Akila and T.Sheela (2013),** “Overview of Data Aggregation Based Routing Protocols In Wireless Sensor Networks”, International Journal on Emerging Technology and Advanced Engineering(IJETAE), ISSN 2250-2459,vol 3, Issue 1, Jan

2013. [http://www.ijetae.com/files/Conference%20ICISC-2013/IJETAE\\_ICISC\\_0113\\_31.pdf](http://www.ijetae.com/files/Conference%20ICISC-2013/IJETAE_ICISC_0113_31.pdf)

- 55.R.Shiva Ranjani and T.Sheela (2013)**, “Impact Of Video Recommendation System And Filtering Technique On Dissemination Of Polluted Content”, International Journal on Emerging Technology and Advanced Engineering, ISSN 2250-2459,vol 3, Issue 1, Jan 2013  
[http://www.ijetae.com/files/Conference%20ICISC-2013/IJETAE\\_ICISC\\_0113\\_81.pdf](http://www.ijetae.com/files/Conference%20ICISC-2013/IJETAE_ICISC_0113_81.pdf)
- 56.Sneha K. and T.Sheela (2013)** , “2D TO 3D Conversion For Images Using HOUGH TRANSFORM” International Journal on Emerging Technology and Advanced Engineering, ISSN 2250-2459,vol 3, Issue 1, Jan 2013.  
[http://www.ijetae.com/files/Conference%20ICISC-2013/IJETAE\\_ICISC\\_0113\\_82.pdf](http://www.ijetae.com/files/Conference%20ICISC-2013/IJETAE_ICISC_0113_82.pdf)
- 57.Sheela.T and A.Joyce (2012)**, “Providing Security of BGP Using Light Weight Cryptographic Constraints”, International Journal of Research in Information Technology and Sciences, ISSN 3899-X539,Vol 01.Issue 01, April 2012.
- 58.Sheela.T and Usha.S (2012)**. “Hidden Device Problem in IEEE 802.15.4 LR-WPAN using Cross-Layer Scheme with Secure Communication, European Journal of Scientific Research, ISSN 1450-216X Vol.76 No.1 (2012), pp. 31-37 © Euro Journals Publishing, Inc. 2012.  
<http://www.europeanjournalofscientificresearch.com>
- 59.Sheela.T and Usha.S (2012)**, “Automatic Voice Controlled Wheel Chair for Challenged”, International Conference on Information Communication and Signal Processing, Kuala Lumpur., Malaysia., No.62., ISSN-2010-376X, pp-1429-1432 (Accepted for International Journal Publication).
- 60. Sheela.T and Nityanandam N.(2011)**, “An Effective Queue Management Scheme For Data Communication”, Journal of Computer science, Vol.7.No.3, ISSN:549-636,pp.348-351.(**impact Factor:0.162**)- (**Scopus Indexed**)  
<http://thescipub.com/html/10.3844/jcssp.2011.348.351>
- 61.Sheela T and Raja J. (2009)**, “An Effective Mechanism for congestion control in High Speed Networks”, International journal of Computer Science & Network Security, Vol.9.No.04, ISSN: 1738-7906, pp.62-70.

Cited by [academic.research.microsoft.com / Detail?entitytype=1...5&id...](https://academic.research.microsoft.com/Detail?entitytype=1...5&id...)

**62. Sheela T. and Raja J. (2009),** “Seamless Flow of voluminous Data in High Speed Network without congestion using feedback mechanism”, International Journal on Intelligent Electronic Systems, Vol.3, No.1, and ISSN: 0973-9238, pp.75-80.

**Indexed in EBSCO HOST**

**63. Sheela T. and Raja J. (2009),** “An effective feedback mechanism for High speed network”, International journal of Electronics circuits and systems”, Vol.3, No.3 ISSN 2070 3724, pp.158-162.

**64. Sheela T. and Raja J. (2008),** “Studies on the Performance Improvement of window Adjustment Procedure in High Bandwidth Delay Product Network”, Journal of Theoretical and Applied Information Technology, Vol.4.No.10, ISSN: 1817-3195, pp.931-936. Cited by [academic.research.microsoft.com / Detail?entitytype=1...5&id...](https://academic.research.microsoft.com/Detail?entitytype=1...5&id...) Cited by Cite Seer, EBSCO/HOST Connections.

#### **NATIONAL JOURNALS:**

1. **Sheela T. and Raja J. (2009),** “Maximization of Throughput by Effective Queue management Scheme for High Speed Network”, Indian Journal of Science & Technology, Vol.2, No.3, and ISSN: 0974-6846, 99.28-31. **(Scopus Indexed)**

Cited by [academic.research.microsoft.com/Detail?entitytype=1...5&id...](https://academic.research.microsoft.com/Detail?entitytype=1...5&id...)

2. **Sheela T. and Raja J. (2009),** “A New Model For Congestion Detection In High Speed Protocols”, National Journal of System and Information Technology, Vol.2, No.2, ISSN: 0974-3308, pp.158-168.
3. **Sheela T. and Raja J. (2010),** “Congestion Detection Techniques In High Speed Network With High Speed Protocols”, Journal of Technology, Vol.6, No.1, ISSN-0973-1334, pp-10-15.

#### **4. INTERNATIONAL CONFERENCES**

1. **T. Sheela and N. Uma (2018),** “A camera based human computer interaction through virtual keyboard assistant, 2nd International conference on Advances in Mechanical Engineering (ICAME 2018), doi:10.1088/1757-899X/402/1/012182.
2. **T. Sheela and N. Sumathi (2017),** “An Empirical study on Analyzing the distortion detection on OSN using NLP & SA in Banking Institution.”, IEEE

International Conference on Computing and Communication Technologies , Feb' 2017 **(Scopus Indexed)**

3. **T.Sheela and Valarmathi(2017)**, “A Comprehensive survey on task scheduling for parallel workloads based on particle swarm optimization under load environment ‘IEEE International Conference on Computing and Communication Technologies , Feb’ 2017.**( Scopus Indexed)**
4. **T.Sheela and Bharathi (2017)**, “Debris and eutrophication control for industrial environmental monitoring using IOT, IEEE International Conference on Computing and Communication Technologies , Feb’ 2017.**(Scopus Indexed)**
5. **T.Sheela and Akila(2017)**, “Preserving Data and Key privacy in data Aggregation for wireless sensor networks, IEEE International Conference on Computing and Communication Technologies , Feb’ 2017.**(Scopus Indexed)**
6. **Kiruthika and Sheela .T(2016)**, “Developing Mobile Application to Navigate blind people using sensors”,2016, Published in IEEE Digital Library, **ISBN: 978-1-5090-0901-5**, DOI: [10.1109/ICCPEIC.2016.7557228](https://doi.org/10.1109/ICCPEIC.2016.7557228) .**(Scopus Indexed)**.
7. **Nithya.M and Sheela.T(2015)**, “An Efficient Privacy preserving Data Publishing”, Global Congress on Computing and Media Technologies”,Sathyabama University .
8. **Kavitha and T.Sheela(2015)**, “ Dynamic resource allocation and management for 3G and UMTS networks.”, IEEE International Conference on Computing and Communication Technologies.,Adiparasakthi College of Engg., Melmaruvathur.
9. **T.Sheela And Dr.Daniel Chandran (2014)**, “E-Governance For Efficient Management To Reduce Corruption: An Ict Driven Paradigm”, International Conference On E-Learning-Business, Enterprise Information Systems & E-Government, Las Vegas, Nevada, USA.
10. **M.Nithya And T.Sheela (2014)**, “Privacy Preserving In Data Mining Using Wrap - Ascibe Algorithm”, International Conference On Emerging Research In Computing,



Information, Communication And Applications. Bangalore.(Cited in Elsevier proceeding and digital library.)

11. **M.S. Abirami and Dr. T. Sheela (2014)**, “Analysis of Image Segmentation Techniques for Medical Images, International Conference on Emerging Research in Computing, Information, Communication and Applications.
12. **Sheela.T and Joyce A. (2012)**, “International Conference on Information Communication & Embedded Systems ICICES, International Conference S.A. Engineering College.
13. **Sheela.T and Usha S. (2012)**, “Automatic Voice Controlled Wheel Chair for Challenged’, International Conference on Information Communication and Signal Processing .,Kuala Lumpur., Malaysia., No.62., ISSN-2010-376X.,pp-1429-1432
14. **Sheela T. and Nithyanandam N. (2010)**, “An analysis of Protocols and congestion Control mechanism in high speed network”, International Conference on sustainable strategies on Technology and management for developing countries (SSTMDC), Singapore.ISBN.978- 93-80627-16-18, pp.161-166.
15. **Sheela T. and Raja J. (2009)**, “Seamless flow of Voluminous Data in High speed Network without Congestion using Feedback Mechanism” ,International Conference on Computer Information Systems Engineering , World Congress on Science, Engineering and Technology , Penang , Malaysia, Vol.38, ISSN:2070-3740,pp.307-311.
16. **Sheela T. and Raja J. (2009)**, “An active queue management scheme for high speed networks”, Third International Conference on impact of Economic Crises in global business scenario. Sri Sai Ram Institute of management Studies.
17. **Sheela T. and Raja J. (2009)** , “An Analysis of performance Improvement for Window Adjustment Procedure in High Bandwidth Delay Product Network”, International Conference on Emerging Trends In Computing (ICETIC), Kamaraj College of Engineering and Technology, Virudhunagar, Tamilnadu, pp.251-255.

18. **Sheela T. and Raja J. (2007)**, “Performance evaluation of Congestion , Efficiency and Fairness Control for High performance Networks”, International Conference on Trends in Information Sciences and Computing (TISC), Sathyabama University, Jeppiaar nagar, Chennai, India, pp.28-33.
19. **Sheela T. and Raja J. (2007)**, “A Simulation Analysis of Congestion Control Schemes for TCP based protocols in High Bandwidth Environments”, International Conference on Global Business Strategy in Competitive Environment, Sri Sai Ram Institute of management Studies.

### **NATIONAL CONFERENCES**

1. **T.Sheela and N.Sumathi (2016)**, “A Review On Social Media Intelligence Using Sentiment Analysis In Banking Institution,” National Conference on Recent trends in Computing and Technology, Sri Sairam Engineering College
2. **T.Sheela and Revathi .V.S(2016)**, “Security To Maintain Confidentiality In Social Networking Sites”, National Conference on Recent trends in Computing and Technology, Sri Sairam Engineering College
3. **T.Sheela and M.J.Praveen(2016)**, “Clustered hydrocast routing for vitality of underwater sensor networks”, National Conference on Recent trends in Computing and Technology, Sri Sairam Engineering College
4. **T.Sheela and Kiruthika(2016)**, “Mobile based alerts for navigating visually impaired people”, National Conference on Recent trends in Computing and Technology, Sri Sairam Engineering College
5. **Sheela T. and Murugaraja A. (2012)**, “Sip Based VPN Services Route Optimization for Network Mobility”, National Conference on Recent Trends in Information Technology, S.A. Engineering College.



6. **Sheela T. and Suguna R. (2011)**, “Improving the performance of TCP using Window Adjustment Procedure and Bandwidth Estimation”, Nat. Conf. on Advance Image Processing and Networking, Department of CSE, Anna University , Trichy.
7. **Sheela T. and Raja J. (2009)**, “Maximization of Throughput by Effective Queue, Management Scheme for High Speed Network”, National Conference on Cross – Layer Networks and IP Security Department of CSE, Annamalai University.
8. **Sheela T. and Raja J. (2009)**, “Transfer of Voluminous Data in High Speed Network with Effective Feedback mechanism using High Speed Protocols”, National Conference on Biomedical Electronics & Biomedical informatics, (NCBEBI) Sri SaiRam Engineering College, pp.67-72.
9. **Sheela T. and Raja J. (2009)**, “Performance Evaluation of Protocols in Congestion Control for High Performance Networks”, National Conference on Innovations in Information and Communication Technology, PSG College of Technology.
10. **Sheela T. and Raja J. (2006)**, “Performance Evaluation of Congestion control Algorithm in Computer Communication Network”, National Conference on Recent advancement in Computing, Department of IT – NI College of Engineering.
11. **Sheela T. and Raja J. (2005)**, “Wired and wireless security through Email and SMS”, National Conf. on new Trends in Distributed Computing and Networking”, Department of CSE – Tagore Engineering College.
12. **Sheela T. and Raja J. (2005)**, “Wired and wireless security through Email and SMS”, Nat. Conf. on Biomedicine, Communication and Networking”, Department of CSE –SSN Engineering College.
13. **Sheela T. and Raja J. (2003)**, “Secure File Transfer Using Digital Identification”, Nat. Conf. on Communication and Networking, Department of ECE –SRM Engineering College.

## **CHAPTER CONTRIBUTION:**

1. **BOOK CHAPTER On Blockchain, Internet of Things, and Artificial Intelligence** <https://www.routledge.com/Blockchain-Internet-of-Things-and-Artificial-Intelligence/Chilamkurti-Poongodi-Balusamy/p/book/9780367371531>, April 2021 .

2. **Book Chapter on Employee Turnover Prediction Using Single Voting Model** <https://www.routledge.com/Applied-Learning-Algorithms-for-Intelligent-IoT/Chelliah-Sakthivel-Nagarajan/p/book/9780367635947>, October 2021.
3. **Book Chapter on Conspectus of K-Means Clustering Algorithm** <https://www.routledge.com/Applied-Learning-Algorithms-for-Intelligent-IoT/Chelliah-Sakthivel-Nagarajan/p/book/9780367635947>, October 2021.
4. **Book Chapter on Deep Learning: Algorithms, Platforms, Applications, and Research Trends in IoT**

## ACHIEVEMENTS

### ACADEMIC:

1. Awarded as Inspirational Leader award by Oneyes Technologies on March 2023
2. Awarded as ASMA Academic Excellence Award by ASMA Higher Education on 22<sup>nd</sup> April 2023
3. Awarded as **INDO ASIAN RESEARCH EXCELLENCE AWARD** by RED TALKS on Feb 28, 2022
4. Received **Treasure Trove of Knowledge 2022** by Mayilai Thiruvallur Tamil sangam on March 27, 2022.
5. Our department received the Teaching Awards in Engineering by Staffordshire University and Education Matters on 23<sup>rd</sup> July 2019 at Arignar Anna Aragnam, Chennai.
6. Our Department received the Academic excellence award for the year 2016 and 2018 batch
7. Awarded as the Best Industry Linked Technical Institute by AICTE-CII on 8th dec 2017 for the department of CSE and IT
8. Awarded as the senior educator and Scholar award by **NFED, Coimbatore** on March.2014
9. Awarded as the Best Professor by **Kalvi Sudar**, on Sep, 2012

10. Awarded as the Best Professor by the **ASDF & ICCA'12** – Association of Scientists, Developers and Faculties (A Unit of Techno Forum Group), Pondicherry, India on January 31, 2012.
11. Awarded as the Best Professor by **LEO CLUB** (2006 & 2010), Chennai.
12. Awarded as the Best professor for **Securing 100% Results** in Anna University Examination.
- .. Expertise Committee Member for **NBA** accreditation Process.

## **GLOBAL RECOGNITION:**

### **RESOURCE PERSON:**

1. **Resource person for the FDP program at Shri Vishnu Engg College for Women, Bhimavaram on Sep 2021 . Title : Recent trends in AI**
2. **Resource person for the Guest lecture to the Engineering students at KDU PENANG UNIVERSITY , Malaysia on 11<sup>th</sup> march 2021 , Titled Recent trends in AI Technology**
3. Resource Person for the Refresher Program at Sri Sairam Engineering College on May 2020 .
4. Resource person for National level workshop at Sri Sairam Engineering College , organized by ECE department in association with Tamilnadu state council, on 10/06/2019 “ Recent Trends in Artificial Intelligence”.
5. Resource person for National Conference at MGR Janaki Ammal arts and Science on 12/09/2017.
6. Resource person for the International seminar on E-Learning in Association with NITTTR on 28/08/2017 at Sri Sairam Engineering College.
7. Resource person for the International Seminar at KDU Penang University , Malaysia on March 2017.
8. Session Chair in International Conference in ICCST'17 at Sri Sairam Engineering College. On 09/03/2017.

9. Resource person for FDP on Computer Network at Sri Sairam Inst Of Technology on 11/01/2016
- 10.Resource Person in International Conference on Information Technology, Chennai as a Chief guest for Inaugural function and Session Chair on Sep'2015.
- 11.Resource Person in RAMP ,NFED, Chennai as a Session Chair for the National Conference, Feb '2015
- 12.Session Chair in International Conference in WORLDCOMP'2014 at Las Vegas, USA, JULY 2014
- 13.Resource Person for “**Network Security**” in VIT UNIVERSITY, Chennai on November 2013.
- 14.Resource Person in **VELS UNIVERSITY** as session chair for the International Conference on Computational Intelligence and Advanced Manufacturing Research (ICCIAMR2013), April 2013.
- 15.Resource Person in **RAMANUJAR** Engineering College as a Session Chair for the National Conference.2012.
- 16.Resource Person in **WASET** Conference as Session Chair at Malaysia, 2012.
- 17.Resource person in **ANNA UNIVERSITY** Sponsored **FDP** on “**DISTRIBUTED SYSTEMS**” organized by Dhanalaksmi college of Engineering., Nov'2011
- 18.Resource person in **AICTE** Sponsored **SDP** on “**AI and Soft Computing**” organized by Sri Sairam Institute of Technology”, Sep'2011.
- 19.Resource person in **NITTTR** (National Institute of Technical Teachers Training and Research), A course conducted for Foreign Students on “**Computer Networks**”, Feb. 2008 and July 2008.
- 20.Resource person in **Anna University** Sponsored **FDP** on “**THE ENVIRONMENT OF A UNIX PROCESS**” Organized by SSEC / MCA DEPT, December 2007.
- 21.Resource person in **Anna University** Sponsored **FDP** on “**Graphics and Multimedia**” Organized by SSEC, June 2007.
- 22.**Chair Person** in Various National Level and International level Technical Symposium.

23. **Doctoral Committee Member** for Anna University SRM university, VIT university and Sathyabama University.

24. **Research Supervisor** at Sathyabama University, Bharathiyar University, Coimbatore, VELS University, VEL TECH University, Bharat University and PRIST University.

#### **Advisory/Technical Committee member at International Conferences:**

25. National Conference On Research Aspects in Management Prospects & Entrepreneurship Development Perspectives(RAMP & EDP)-2015

26. 2015 IEEE International Conference on Smart Technologies and Management for computing , communication , Controls, Energy and Materials.-2015

[http://veltechuniv.edu.in/ICST2015/?page\\_id=72](http://veltechuniv.edu.in/ICST2015/?page_id=72)

#### **RESEARCH and DEVELOPMENT:**

We have established the **R&D** Centre for our department, funded by **AICTE**.

#### **FUNDED PROJECT AND PROGRAMME:**

1. Program Coordinator for the Technology Enterpreneurship development program (Sponsored by SERB under DST ) , oct, 2016
2. Convener for the IEEE National and International Conference ICCCT'17 ICCCT'15, NCCT'14 and ICISC'13.
3. Principal investigator for the Nationally Coordinated project funded by **AICTE**.
4. Coordinator for **Staff Development Program** funded by **AICTE**.
5. Coordinator for **Faculty Development Program** sponsored by **Anna University**.
6. Conducted **National Level Technical Symposium**.

#### **REVIEW MEMBER:**

1. Technical program committee members for (TPC) of ICACTA- 2022, the 1ST International Conference on Advanced Computing Technologies and

Applications (ICACTA- 2022), Sri Krishna College , Coimbatore. 4th and 5th march 2022.

2. External Panel member for Ph.D viva voce at Bharthiyar University, Coimbatore.
3. Reviewer of the Journal of Engineering science and Technology, Taylors University, Malaysia.
4. Editorial Board member and Reviewer of the Journal of Wireless Networking and Communications, Scientific and Academic Publishing, USA
5. Acted as a review committee member for papers for the ADCOM 2007 conference conducted by IIT, Guwhati during December 18-21, 2007.
6. External Assessor for the National University of Lessotha, P.O.ROMA, Lessotha.
7. Editorial Board member on International Journal on Emerging Technology and Advanced Engg.,(IJETA E)

### **BOOKS AUTHORED:**

1. Authored a book named 'Data Structures and Fundamentals of Computer Programming' and published by Anuradha Publishers.

### **OTHER ACHEIVEMENTS:**

1. CSE and IT Board Chairman at Anna University
2. Posted as 'University exam cell coordinator'.
3. Pass board Meeting member at Anna University of Technology, Chennai.
- Guided 100 B.E/B.TECH and 10 M.E PROJECT

### **CITATION AND INDEX OF MY RESEARCH ARTICLES:**

1. Research articles cited in Elsevier
2. Research articles cited in Microsoft academic search  
*[academic.research.microsoft.com/Detail?entitytype=1...5&id](https://academic.research.microsoft.com/Detail?entitytype=1...5&id)*
3. Research articles are Indexed in Ulrich, DOAJ, Cabell, WAD, ASA, IET-ISI Thomson Scientific, IET, Genamics, EBSCO, Thomson Gale, ProQuest, SCOPUS Current Abstracts, Zeitschriften, Expanded Academic ASAP, InfoTrac Custom, Science Resource Center, Student Resource Center, and Google Scholar.

4. Research Articles Cited in Cite Seer, I-SCHOLAR, Free patent online and Google Scholar.

<https://scholar.google.com/citations?user=zADB3ZwAAAAJ&hl=en>

## **WORKSHOP / SEMINARS ATTENDED**

1. Attended Nasscomm HR Summit on 17/07/2019 and 18/07/2019 at ITC Grand Chola.
2. Attended Bridge 2018 at Hotel Le Royal Merdian on 31/01/2019
3. Attended Coordinator meet at Hotel Raddison on 24/10/17 by Salesforce.
4. Attended AWS Educate Day 2017 on 13/07/2017 at Hotel Grand
5. Attended Bridge 2017 at ITC Grand Chola on 1/3/2017
6. Attended Faculty Development Program on Insurance at TCS, Siruseri on 1/03/2016.
7. Attended Bridge 2016 at Chennai Trade centre on 24/02/2016.
8. Attended the ICTACT Conference on 24th Feb ,2016 at Chennai Trade Centre.
9. Attended Quality of Engineering Education at IIT Madras on 4/3/2015.
10. Attended International Conference at Las Vegas , USA from 21/07/2014 To 24/07/2014.
11. Attended the FDP program on Software Testing at TCS ,Siruseri campus on 14th November 2014.
12. Attended seminar on “Smart and Efficient Networks” , event on 9th Jul-14 at “Rajendra Hall ITC Grand Chola A Luxury Collection Hotel, 63 Mount Road, Guindy, Chennai. Conducted by IBM & Cisco
13. Attended one day Higher Education Programme conducted by Oracle on August 2013
14. Attended Oracle day at Oracle centre on 24/01/2013.

15. Attended oracle Technology Network developer day at Le Royal Meridian on 17/12/2013
16. Attended Higher Education Programme at Oracle on 21/08/2013
17. Attended One day workshop conducted by Oracle on Jan 2013
18. Attended workshop on Education Solution at TCS on 12/07/2012
19. Attended conference conducted by ICTACT on Jan'2011.
20. Attended Insight 09 at Infosys on 17.03.09 and 18.03.09.
21. Attended an AIM Academia - IGCAR Meet organized by IGCAR – Kalpakkam on Project proposals on 12.10.07
22. Attended the National conference on Innovation in information and communication organized by PSG College of technology on 21.09.07.
23. Attended the International conference – INCON organized by SIMS, Sri Sairam engineering college on 22.09.07.
24. Attended the national conference on Information & Communication Technology organized by CSE, SSEC, Sri Sairam Engineering College on 10.03.07.
25. Attended the Seminar on Launch of ISECURIT organized by Anna University on 24.07.06.
26. Attended the Workshop on Advances in Computer technologies and network organized by SSN College of engineering on 04.08.06 & 05.08.06.
27. Attended the Workshop on E-Granary Digital Library Solutions organized by R.M.K Engineering College on 13.03.06.
28. Attended the National Conference on distributed Computing & Knowledge Engineering organized by Departments of Information technology & master of computer applications, organized by Sri Sairam Engineering College on 16.09.05 & 17.09.05.
29. Attended the Training programme on Rational Rose IBM organized by Sri Sairam Engineering College on 03.08.05 & 04.08.05.
30. Attended the Training programme under NRC FOSS AUKBC Research center organized by MIT Chennai from 06.06.05 to 18.06.05.



31. Attended a Personality development Programme organized by MBA Dept Sri Sairam Engineering College on 18.03.05.
32. Attended a National Seminar on Research Methodology organized by MBA Dept Sri Sairam Engineering College on 09.02.05.
33. Attended a conference on Wireless network conducted by Tamilnadu Government on 22.09.04.
34. Attended a Conference on HR Meet'04 (Challenges in IT Industry) conducted by NASSCOM on 02.09.04.
35. Attended an International Conference INCON-CCC on "Computer Communication & Control" organized by Sri Sairam Engineering College from 20.08.04.
36. Attended a seminar on CISCO Systems at GRT Grand Marigold organized by Tech – ED Academia 2004 on 16.04.04.
37. Attended the Training programme on ISO – Internal Quality Audit Training organized by Sri Sairam Engineering College on 10.05.03.
38. Attended a seminar on Learning Skills conducted by Madras Academy for Excellence (MAX) at A.V Hall on 16.07.03.
39. Attended the Training programme on Linux OS conducted by Advantage Pro at Computer Center-III, Sri Sairam Engineering College from 03.06.03 to 10.06.03.
40. Attended the ACITE – ISTE STTP on Elements of cryptography in information Security from 17.02.03 and 18.02.03.

**Declaration:**

**I hereby declare that all the information mentioned above are true to my knowledge and I have all supporting documents for the facts mentioned above.**