

Director – Dept. of MCA  
Hindusthan College of Arts and Science  
Hindusthan Gardens, Behind Nava India,  
Coimbatore – 641 028

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avsenthikumar@yahoo.com

**Google Scholar** : <https://scholar.google.co.in/citations?user=ZpkDEdAAAAAJ&hl=en>

**Scopus** : <https://www.scopus.com/authid/detail.uri?authorId=56888921600>

**Vidwan Portal** : <https://hicas.irins.org/profile/167000>

## Dr. A.V.Senthil Kumar

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**Objective** To pursue a challenging career in Teaching and Research in Information Technology.

### Education

**2022** **Tumkur University, Tumkur, Karnataka**

- **D.Sc – (Computer Science)**
- Efficient Fuzzy Resolution Mechanisms to Diagnose Heart Disease

**2015** **International Tamil University, USA**

- **D.Litt (Doctor of Letters)**

**2009** **Vinayaka Missions University, Salem**

- **Ph.D – (Computer Science)**
- Efficient Discovery of Frequent Itemsets in Large Databases

**2005** **Bharathidasan University, Trichy**

- **Master of Philosophy (Computer Science)**
- GTW with SPIHT

**1991** **Gobi Arts and Science College, Gobichettipalayam**

- **Master of Computer Applications**

**1988** **Gobi Arts and Science College, Gobichettipalayam**

- **Post Graduate Diploma in Computer Applications**

**1987** **Gobi Arts and Science College, Gobichettipalayam**

- **Bachelor of Physics**

### Course Certification:

- Coursera online course on **Introduction to Cloud Identity**
- Coursera online course on **Cloud Computing Basics (Cloud 101)**
- Coursera online course on **AI for Everyone**
- Coursera online course on **Introduction to Software Product Management**
- Coursera online course on **Requirements Gathering for Secure Software Development**
- Coursera online course on **Software Design as an Element of the Software Development Lifecycle**

- Coursera online course on **Introduction to Relational Database and SQL**
- Coursera online course on **Software Requirements Prioritization Risk Analysis**
- Coursera online course on **Continuous Delivery & DevOps**
- Coursera online course on **IT Project Management**
- Coursera online course on **AWS Fundamentals Going Cloud-Native**
- Coursera online course on **AWS Fundamentals: Addressing Security Risk**
- Coursera online course on **Being a researcher (in Information Science and Technology)**
- Coursera online course on **A Crash Course in Data Science**
- Coursera online course on **Reviews & Metrics for Software Improvements**
- Coursera online course on **Information Systems Auditing, Controls and Assurance**
- Coursera online course on **Digital Threads: Components**
- Coursera online course on **Digital Thread: Implementation**
- Coursera online course on **Google Cloud Product Fundamentals**
- Coursera online course on **Customer – Centric IT Strategy**
- Coursera online course on **Getting Started with AWS Machine Learning**
- Coursera online course on **Data Privacy Fundamentals**
- Coursera online course on **The Foundations of Cybersecurity**
- Coursera online course on **Health Care IT: Challenges and Opportunities**
- Coursera online course on **Principles of Secure Coding**

## Experience

**August 1991 – June 1996**

Rohini Garments, Tirupur  
**System Analyst**

**July 1996 – March 4, 2010**

SG Lecturer , Department of MCA,  
C.M.S College of Science and Commerce, Coimbatore

**March 8, 2010 – Till date**

Director, Department of Master of Computer Applications,  
Hindustan College of Arts and Science, Hindusthan Gardens,  
Behind Nava India, Coimbatore-28.

## Countries Visited

- Indonesia, Hongkong, Malaysia, Bhutan, Singapore, Dubai, Thailand

## Patent

***A Method and Device based on Glow Worm Swarm Optimization for Detection of Sinkhole attacks in Cognitive Radio Adhoc Networks for Improved Opportunistic Routing***

**Application No:** 201841012573 **Date of Filing:** 03/04/2018

**Publication Date:** 04/05/2018

**Applicant :** Appusamy Venkataraman Senthil Kumar

**Inventor :** Appusamy Venkataraman Senthil Kumar

**Remote Pain monitoring System for Knee Joint Pain of Elderly People**

**Patent Number : 2020101864 (Australian Government - Innovation Patent)**

**Name of Inventors : S. Venkatesan, A.V.Senthil Kumar, K. Lakshmana Rao, M. Lakshmi Prasad, Badger Manjunatha, A. Gnaneseekar, M. Pavithra, Chandra Singh, nor Basha, Naveen P**

## **Awards**

- Received **Shiksha Rattan Puraskar** Award (November 2008) which consists of a Memento and a Certificate of Excellence for services, contributions and achievements, from IIFS - The India International Friendship Society, New Delhi, India
- Inclusion of Biography in **Who's Who in the World, 2009 and 2010 Editions**
- Received **Best Citizens of India** Award (2009) from International Publishing House, New Delhi
- Inclusion of Biography in **2000 Outstanding Intellectuals of the 21<sup>st</sup> Century – 2009/2010**, International Biographical Centre, Cambridge, England
- **21<sup>st</sup> Century Award for Achievement 2009**, by International Biographical Centre, Cambridge, England
- Selected as one of the **TOP 100 Educators -2009**, by International Biographical Centre, Cambridge, England
- Selected as the **International Educator of the year 2009**, by International Biographical Centre, Cambridge, England
- Selected for **The International Plato Award for Educational Achievement**, by International Biographical Centre, Cambridge, England
- Received **International Gold Star** Award from IIFS - The India International Friendship Society, New Delhi, India.
- Selected for **Rajiv Gandhi Excellence Award**, by India International Friendship Society, New Delhi, 2010
- Selected for **Vidya Ratan Award**, by The Economic for Health and Education Growth, New Delhi, 2010
- Selected for **Rashtriya Ekta Samman Award**, National Unity Conference , August, 2011.
- Selected for **Glory of India Award**, by India International Friendship Society, New Delhi, India, March 2011.
- Inclusion of Biography in **Great Minds of the 21<sup>st</sup> Century – 2011**, by American Biographical Institute, Inc. California
- Selected for **Mother Teresa Excellence Award**, by Integrated Council for Socio-Economic Progress, Thrissur, India, 2011
- Selected for **Rabindranath Tagore Samman**, National Unity Conference , May, 2011.

- Received **Payaneluthu Padaippali** Award from Tamilnadu Magazine Publishers Association on 4<sup>th</sup> March 2011 at Devaneyya Pavaanar Nulaga Arangam, Chennai
- Selected for **The Seat of Wisdom- 2011**, by American Biographical Institute, Inc. California
- Selected for **Asia Pacific Excellence Award**, by Citizens Integration Peace Society , New Delhi in Indo-Nepal Integration & Economic Development Conference , 21<sup>st</sup> May, 2011.
- Selected for **Rajiv Gandhi Excellence Award**, by India International Friendship Society, New Delhi, 2011
- Selected for **Jewel of India Award 2011**, by Indian Solidarity Council, New Delhi
- Selected for **Seva Chakra Puraskar Award 2011**, by Exclusive Aajtak (Newspaper published from BBSR), Odisha, Bhubaneswar
- Received **Eminent Educationist Award 2011** from International Institute of Education & Management, Dilshand Garden, Delhi
- Inclusion of Biography in **International Profiles of Accomplished Leaders – 2011**, by American Biographical Institute, Inc. North California
- Selected for **Rajiv Gandhi Excellence Gold Medal Award 2011**, by Global Economic Progress & Research Association, Tiruvannamalai, India
- Selected for **Global Achievers Award**, by Citizens Integration Peace Society , New Delhi in Celebrating The Global Indian Conference , 27<sup>th</sup> December, 2011.
- Selected for **Indira Gandhi Sadbhavna Award**, by Citizens Integration Peace Society, New Delhi, 2011
- Selected for **Rajiv Gandhi Education Excellence Award 2011** from International Institute of Education & Management, Dilshand Garden, Delhi, November 2011
- Selected for **Indira Gandhi Shiromani Award**, by India International Friendship Society, New Delhi, India, December 2011.
- Inclusion of Biography in **Great Minds of the 21<sup>st</sup> Century – 2012**, by American Biographical Institute, Inc. California
- Selected for **Pride of India Award**, by All India National unity Council, New Delhi, India, March 2012.
- Inclusion of Biography in **Who's Who in the World, 2012 Edition**.
- Selected for **Global Education Leadership Award**, by Economic Growth Society of India, 28<sup>th</sup> April 2012.
- Inclusion of Biography in **500 Great Leaders – Honors Edition - 2012**, by American Biographical Institute, Inc. North California
- Selected for **Intellectual of the Year-2012**, by American Biographical Institute, Raleigh, North California 27622, USA
- Selected for **Mother Teresa Excellence Award**, by Integrated Council for

Socio-Economic Progress, Bangalore , India, 2012

- Selected for **Indira Gandhi Shiksha Shironmani Award**, by International Institute of Education & Management, New Delhi, India, 9<sup>th</sup> October, 2012
- Received **Vocational Service Excellence Award** from Rotary Club of Coimbatore Millenium, Coimbatore, India, 05.10.2012
- Selected for **Golden Educationist of India Award**, by National & International Compendium, New Delhi, India, 2013
- Selected for **Bharat Excellence Award**, by Friendship Forum of India, New Delhi, India, 7<sup>th</sup> April 2013.
- Selected for **Bharat Shiksha Ratan Award**, by Global Society for Health & Educational Growth, Delhi, India, September 30, 2013
- Selected for **Life Time Education Achievement Award 2013** from International Institute of Education & Management, Dilshand Garden, Delhi, October 2013
- Received **Best Faculty Award** from Nehru College of Arts and Science, Coimbatore, India, 10.12.2013
- Selected for **Asia Pacific Achievers Award**, by Global Achievers Foundation, Delhi, India, 15<sup>th</sup> June, 2014
- Selected for **Indo-Nepal Friendship Award**, by The Economic and Human Resource Development Association, Delhi, India, 2<sup>nd</sup> August , 2014
- Selected for **Best Educationist Award**, by The Economic Growth Foundation, Delhi, India, 05<sup>th</sup> September , 2014
- Received **Global Teacher Role Model Award 2015** from MVLA Trust, Mumbai, on 5<sup>th</sup> October 2015
- Received **Outstanding Educator Award** from ACCENT TECHNO SOFT, Coimbatore, 2018

#### Other Research Oriented

- Evaluated Ph.D Thesis of the Research Scholars of
  - i) Sardar Patel University, Gujarat, India
  - ii) Dravidian University, Andhra Pradesh, India
  - iii) University of Kalyani, Kalyani, India
  - iv) University Putra Malaysia, Malaysia
  - v) Sri Chandrasekharandra Saraswathi Viswamahavidyalaya, Kancheepuram, India
  - vi) Birla Institute of Technology, Mesra, India
  - vii) Acharya Nagarjuna University, Andhra Pradesh, India
- Acted as a Member of the Inspection Commission constituted to inspect and report the Infrastructural facilities made available at Sree Saraswathi Thiagaraja College, Pollachi, India for the grant of Permanent Increase in Intake for Ph.D (CS) from the academic year 2015- 2016.
- Acted as a Convenor of the Inspection Commission constituted for the grant of affiliation (s)/Permanent increase in intake for the new courses of S.M.S College of Arts & Science, Perur, Coimbatore India for the academic year 2022- 2023.

#### Assessor for Promotions

: Amman University, King Abdulaziz University, Jeddah University, Zarqa University,

**Organization of Conferences/  
Seminars/ Workshops**

- Organized an International Seminar on **Technology, Education and Knowledge Building (ISTEK 08)** in CMS College of Science and Commerce, Coimbatore on 7<sup>th</sup> March 2008.
- Organized an International Conference on **Computer Applications and Information Technology (CAIT 2010)** in Hindusthan College of Arts and Science, Coimbatore on 3<sup>rd</sup> September 2010.
- Organized a Special Session on **Software Engineering Practices and Applications** in World Congress on Information and Communication Technologies (WICT 2011), 11-14, December 2011, Mumbai
- Organized an International Seminar on **Intelligent Web Technologies (ISIWT 2012)** in Hindusthan College of Arts and Science, Coimbatore on 6<sup>th</sup> February 2012.
- Organized an 2<sup>nd</sup> International Conference on **Computer Applications and Information Technology (CAIT 2013)** in Hindusthan College of Arts and Science, Coimbatore on 17<sup>th</sup> December 2013.
- Convenor for One day workshop organized by Hindusthan Educational Institutions on the title **Back to the Future** by Yashavant Kanetkar and Asang Dani on 25<sup>th</sup> August 2014.
- Organized an 3<sup>rd</sup> International Conference on **Computer Applications and Information Technology (CAIT 2016)** in Hindusthan College of Arts and Science, Coimbatore on 11<sup>th</sup> March 2016.
- Organized an 4<sup>th</sup> International Conference on **Computer Applications and Information Technology (CAIT 2017)** in Hindusthan College of Arts and Science, Coimbatore on 8<sup>th</sup> August 2017.
- Organized a one day workshop on **Programming Secrets** by Yashawant Kanetkar on July 15, 2016, Hindusthan College of Arts and Science, Coimbatore
- Organized a one day workshop on **Programming for Campus Success** by Yashawant Kanetkar on August 27, 2018, Hindusthan College of Arts and Science, Coimbatore
- Organized an 4<sup>th</sup> International Conference on **Computer Applications and Information Technology (CAIT 2019)** in Hindusthan College of Arts and Science, Coimbatore on 24<sup>th</sup> January 2019.
- Organized 2 days National Seminar on **Digital Forensics – Challenges and Future Directions** in Hindusthan College of Arts and Science, Coimbatore during 29-30, January 2019.
- Organized a Seminar on **Nuances of Research Proposals** in Hindusthan College of Arts and Science, Coimbatore, on 14<sup>th</sup> October, 2020.
- Organized a Six Days National Level FDP on **Trends and Challenges in Research Methodologies** in Hindusthan College of Arts and Science, Coimbatore, during 16<sup>th</sup> – 22<sup>nd</sup> October 2020..
- Organized a 4 Phases of Six Days AICTE sponsored STTP 2020-2021 (Online) on **Recent Trends and Challenges in Data Science** in Hindusthan College of Arts and Science, Coimbatore,
- Organized a Six Days FDP on **Emerging Trends in Computing and**

**Informatics** in Hindusthan College of Arts and Science, Coimbatore, during 22.09.2021 to 28.09.2021..

## Projects

Purpose	Funding Agency	Sanctioned Amount
Research Challenges in Mobile Computing (Seminar)	TNSCST – Chennai (2015)	Rs.20,000
Digital Forensics – Challenges and Future Directions (Seminar)	TNSCST – Chennai (2018)	Rs.20,000
Recent Trends and Challenges in Data Science	AICTE sponsored STTP 2020-2021	Rs, 3,70,000

## Keynote Speaker & Session Chair

- **Session Chair**, National Conference on Computer Communication and Informatics, RVS College of Arts and Science, 11<sup>th</sup> February, 2011.
- **Session Chair**, International Conference on Informatics Engineering & Information Science (ICIEIS 2011) , Universiti Technology Malaysia, Malaysia, Nov. 14-16, 2011.
- **Panel Chair**, 2<sup>nd</sup> International Conference on Green Communications and Networking (GreeNets 2012), Spain, October 24-26, 2012.
- **Keynote Speaker**, International Conference on Information System, Computer Engineering & Application, Singapore, November 28, 2011.
- **Session Chair**, National Conference on Innovations in Computing Methodologies – NCICM 2011), Bharathiar university, Coimbatore, India, December 16,2011
- **Session Chair**, National Conference on Advanced Trends in Computer Technology – NCATCT – 2012), Dr.N.G.P Arts and Science College, Coimbatore, India, February 3, 2012
- **Keynote Speaker**, International Conference on Advances in Computer Science and Engineering, Lords Institute of Engineering and Technology, Hyderabad, India, January 7-8, 2013
- **Chair Person**, National Conference on Computational Intelligence -2013, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, India, February 27, 2013
- **Keynote Speaker**, International Conference on Paradigms in Engineering & Technology (ICPET 2016), Methodist College of Engineering & Technology, Hyderabad, India, March 2-3, 2016
- **Keynote Speaker**, 1<sup>st</sup> International Conference on Innovation in Computer Science and Engineering (ICiCSE 2017), Universiti Putra Malaysia, Serdang, Selangor, Malaysia, 6-7, November 2017
- **Keynote Speaker**, International Conference on Computational Intelligence and Digital Technologies (ICCIDT 2019), Mangalam College of Engineering, Ettumanoor, Kottayam, Kerala, 11-12 April, 2019.,

## Webinars Given

- Webinar on **Make your Research Publication Get More Cited**, on 16.9.2021 – Vel Tech Ranga Sanku Arts College, Chennai

- Webinar on **Make your Research Publication Get More Cited**, on 22.9.2021 – Department of Communication Technology and Network, Universiti Putra Malaysia, Malaysia
- Webinar on **Systematic Research Article Publication, Indexing & Citations**, on 19.10.2021 – MKSSS's Cummins College of Engineering for Women, Pune
- Webinar on **Systematic Approach to increase the citations of your publications**, on 09.10.2021 – Chalapathi Institute of Engineering & Technology, Guntur
- Webinar on **Systematic Approach to increase the citations of your publications**, on 17.12.2021 – SAGE University, Bhopal
- Expert Technical Session conducted on 10<sup>th</sup> of December 2021 on **Feature Reduction Technologies** M.Tech AIMI students of Symbiosis Institute of Technology, Pune
- Talk on **Systematic Approach to increase the citations of your publications**, in Rukmini Devi Institute of Advanced Studies, Delhi on 24-12-2021
- Webinar on **Systematic Approach for publishing high impacted research, indexing and citations**, on 08.01.2022 – Career College, BHEL, Bhopal – National Level Webinar
- Webinar on **Systematic Approach for publishing papers, indexing and citations**, on 22.01.2022 – MIT World Peace University, Pune
- Webinar on **Systematic Approach for publishing papers, indexing and citations**, on 03.02.2022 – College of Science and Commerce, SRM Institute of Science and Technology, Chennai
- Webinar on **Systematic Approach for writing Research papers, indexing and citations**, on 09.02.2022 – Department of Computer Science & Engineering, Baba Banda Singh Bahadur Engineering College, Punjab
- International Webinar on **Systematic Approach for publishing papers, indexing and citations**, on 15.02.2022 – Department of Management Sciences, TECNIA Institute of Advanced Studies, Delhi
- Webinar on **What is Citation Indexing**, on 18.02.2022 – Sri Ram College of Commerce Bhandup, Mumbai
- Expert talk on **Tips and Tricks for Avoiding Predatory Journals**, on 18.02.2022 – Amity Business School, Mumbai
- Expert talk on **Systematic Approach for publishing Research papers, indexing and citations**, on 25.02.2022 – Manipal University Jaipur, School of Law & Directorate of Research (Webinar)
- Resource Person – **Multidisciplinary Research Problems and Advancements** on 7.03.2022 – Amity University, Amity School of Engineering and Technology, U.P.
- Webinar on **Systematic Approach for publishing Research papers, Indexing and Citations**, 19.03.2022 – Andhra Loyala College, Vijayawada – 520 008.
- Webinar on **Systematic Approach for publishing papers, Indexing and Citations**, 08.04.2022 – Amity Institute of Information Technology, Amity



University, Noida

- Webinar on **Research Publications, Indexing and Citation**, 22.04.2022 – Department of Mathematics & Statistics Faculty of Science & Technology, Vishwakarma University, Pune

- Webinar on **Systematic Approach for publishing papers, Indexing and Citations**, 09.07.2022 – Corporate Group of Institutions, , Bhopal, India

- Webinar on **Systematic Approach for publishing papers, Indexing and Citations**, 09.08.2022 – K.R.Mangalam University, Haryana, India

#### **Responsibilities Hold**

- Board of Studies Member (Computer Science ) - 2005-2007 -Gobi Arts & Science College, Gobichettipalayam

- Board of Studies Member (M.Phil – Computer Science) – 2005 – Bharathiar University, Coimbatore

- Examiner and Question Paper Setter for most of the Universities and Autonomous Colleges

- Ragging Curb Committee Member, CMS College of Science and Commerce, Coimbatore -6.

- Board of Studies Member (Computer Science ) - 2009-2011 –Nirmala College for Women, Coimbatore

- Board of Studies Member (Information Technology – University Nominee) – 2010 - 2011 & 2011-2012– Kongunadu Arts and Science College , Coimbatore

- Nominated as one of the referees to evaluate the research work, King Abdulaziz University, Kingdom of Saudi Arabia

- Board of Studies Member (Computer Science – PG) – 2011-2012 & 2012-2013 – R.V.S College of Arts and Science, Coimbatore

- Board of Studies Member (Computer Science – PG) – 2012 – 2013 Kongunadu Arts and Science College , Coimbatore

- Board of Studies Member in School of **Computer Science & Information Technology**, Bharathiar University, 2013

- Board of Studies Member (Computer Technology ) – 2012 – 2013 & 2013-2014, Kongunadu Arts and Science College , Coimbatore

- Board of Studies Member (Computer Science ) - 2014 –Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore

- Board of Studies Member (Computer Science (PG)) – 2013-2014 & 2014-2015, Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore

- Board of Studies Member (Computer Science – PG) – 2013-2014 & 2014-2015 – R.V.S College of Arts and Science, Coimbatore

- Board of Studies Member (Computer Science – PG) – 2014 – 2015 & 2015 – 2016,Kongunadu Arts and Science College , Coimbatore

- Board of Studies Member (Computer Applications) – 2014 – 2015, Sri G.V.G Visalakshi College for Women, Udumalpet, - 642128

- Board of Studies Member (Computer Science) – 2015 – 2017, Gobi Arts &

Science College, Gobichettipalayam

- Chair person (MCA) – 2016 – 2018, Hindusthan College of Arts and Science, Coimbatore
- Member of Academic Council – 2016 – 2018, Hindusthan College of Arts and Science, Coimbatore
- Board of Studies Member (PG Department of Computer Application) – 2016 – 2018, Sree Saraswathi Thyagaraja College, Pollachi,
- Board of Studies Member (Computer Science ) - 2017 –Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore
- Board of Studies Member ( Computer Science (PG)) – 2017 - 2019– Bharathiar University, Coimbatore
- Chairman, MCA Paper Valuation, 2017 - 2019– Bharathiar University, Coimbatore

## Papers Handled

### MCA

- Problem Solving in C
- System Software and Introduction to Operating System
- Data Structures and Algorithms
- Object Oriented Analysis Design and C++
- Advanced Java Programming
- Data Mining and Warehousing

**MCA** : **University Ranks** – 1 (2010-2-13), 3 (2012 – 2015), 7 (2014 – 2017) and 3 (2015 – 2018)

**M.Phil** : Produced 18 M.Phil Scholars till date

**Ph.D** : Produced 13 scholars. Guiding 6 scholars

## Books published

1. **A.V.Senthil Kumar**, “*Knowledge Discovery Practices and Emerging Applications of Data Mining: Trends and New Domains*”, IGI Global, Hershey, PA, USA ,September, 2010.
2. **A.V.Senthil Kumar , Hakikur Rahman** “ *Mobile Computing Techniques in Emerging Markets : Systems, Applications and Services*”, IGI Global, Hershey, PA, USA ,January, 2012.
3. **A.V.Senthil Kumar** “ *Computer Networks*”,Radiant Publishing House, Hyderabad, India
4. **A.V.Senthil Kumar, P.V. Praveen Sundar** “ *C Programs*” *Nellaiappar Books, Chennai, India, 2012*
5. **A.V.Senthil Kumar**, “*Fuzzy Expert Systems for Disease Diagnosis*”, IGI Global, Hershey USA , PA, March 2015
6. **A.V.Senthil Kumar**, “*Web Usage Mining Techniques and Applications Across Industries*”, IGI Global, Hershey USA , PA, March 2016
7. **A.V.Senthil Kumar**, “*Optimizing Student Engagement in Online Learning Environments*”, IGI Global, Hershey USA , PA, March 2017
8. **Shruti Kohli, A.V.Senthil Kumar, John M. Easton and Clive Roberts**,

"Innovative Applications of Big Data in the Railway Industry", IGI Global, Hershey USA , PA, March 2017

9. **A.V.Senthil Kumar**, "Biometric Authentication in Online Learning Environments", IGI Global, Hershey USA , PA, February 2019

10. **A.V.Senthil Kumar and M. Kalpana**, "Fuzzy Expert Systems and Applications in Agricultural Diagnosis", IGI Global, Hershey USA , PA, July 2019

11. **Hiral Ashil Patel and A.V.Senthil Kumar**, "Applications of Artificial Neural Networks for Nonlinear Data", IGI Global, Hershey USA, PA, September 2019

12. **RamgopalKashyap and A.V.Senthil Kumar**, "Challenges and Applications for Implementing Machine Learning in Computer Vision", IGI Global, Hershey USA, PA, October 2019

13. **Shilpa Deo and A.V.Senthil Kumar**, "Emerging Trends and Insights on Economic Inequality in the Wake of Global Crises", IGI Global, Hershey USA, PA, June 2022.

#### **Editor in-Chief & Special Issues**

- **Editor-in-Chief**, *International Journal of Data Mining and Emerging Technologies (IJDMET)*, Indian Journals Publishers, New Delhi
- **Editor-in-Chief**, *International Journal of Image Processing and Applications (IJIPA)*, Serial Publications , New Delhi
- **Editor-in-Chief**, *International Journal of Advances in Knowledge Engineering & Computer Science*, Pritam Publications , New Delhi
- **Editor-in-Chief**, *International Journal of Research and Reviews in Computer Science (IJRRCS)*, Science Academy Publisher, United Kingdom
- **Editor-in-Chief**, *International Journal of Advances in Computers and Information Engineering*, Pritam Publications , New Delhi
- **Editor-in-Chief**, *Special Issue of Information Technology & Software Engineering* – Data Mining and Mobile Computing – October 2012.
- **Editor-in-Chief**, *International Journal of Wireless Communications and Network Technologies (IJWCNT)*, WARSE Publishers
- **Editor-in-Chief**, *International Journal of Advances in Computer Science and Technology (IJACST)*, WARSE Publishers
- **Editor-in-Chief**, *International Journal of Image Analysis and Pattern Classification (IJAPC)*, Serial Publications , New Delhi
- **Editor**, *Journal of Convergence Information Technology (JCIT)*
- **Editor**, *International Journal of Intelligent Engineering Informatics*
- **Chief Guest Editor**, *Special Issue on Computing, Engineering and Communication Technologies*, – International Journal of Engineering & Technology (Scopus Indexed) – Vol. 7, No.2.3 (2018)
- **Chief Guest Editor**, *Special Issue on Computing, Engineering and Information Technologies*, – International Journal of Engineering & Technology (Scopus Indexed) – Vol. 7, No.2.8 (2018)
- **Chief Guest Editor**, *Special Issue on Advances in Computing and*

**Engineering Technologies**, – International Journal of Engineering & Technology (Scopus Indexed) – Vol. 7, No.3.3 (2018)

• **Chief Guest Editor, *Special Issue on Engineering, Computing and Applications*** – International Journal of Engineering & Technology (Scopus Indexed) – Vol. 8, No.1.6 (2019)

## Editorial Board

- **Associate Editorial Board Member**, Advances in Knowledge Communities and Social Networks (AKCSN) Book Series, IGI Global, Hershey, PA, USA.
- **Editorial Board Member**, Open Research Society (ORS) Scientific Journals.
- **Editorial Advisory Board Member**, Surveillance Technologies and Early Warning Systems: Data Mining Applications for Risk Detection, IGI Global, Hershey, PA, USA.
- **Editorial Board Member**, CiiT International Journal
- **Editorial Reviewer Board**, Scientific Journals Internationals (SJI)
- **Editorial Reviewer Board**, Interdisciplinary Journal of Information, Knowledge and Management (IJIKM)
- **Editorial Reviewer Board**, WASET- Open Access Journals ( International Academy of Science - Natural and Applied Sciences)
- **Editor**, International Journal of Network Protocols and Algorithms (IJNPA) – ***Tree-Based Protocols and Algorithms***
- **International Editorial Reviewer Board**, International Journal of Applied Logistics (IJAL)
- **Editorial Advisory Board Member**, on Knowledge Management in Emerging Economies, IGI Global, Hershey, PA, USA.
- **Advisory and Review Board**, International Journal of Academic Research (IJAR)
- **Editorial Board Member**, IASTED/ACTA Press- International Journal of Computers and Applications
- **Editorial Board Member**, Journal of Bioinformatics and Sequence Analysis (JNSA).
- **Editorial Board Member**, International Journal of Computer Science & Emerging Technologies (JCSET).
- **Editorial Board Member**, International Journal of Computer Science Issues (IJCSI).
- **Member of Reviewer Board**, International Journal of Advanced Research in Computer Science (IJARCS).
- **Editorial Board Member**, International Journal of Computational Intelligence and Information Security (IJCIIS)
- **Editorial Board Member**, Online Journal of Computer Technology (OJCT)
- **Editorial Board Member**, International Journal of Computer Applications (IJCA), USA
- **Editorial Board Member**, Science Academy Transactions on Computer and Communication Networks (SATCCN) an International Scientific Journal, UK

- **Editorial Board Member**, International Journal of Information Technology and Engineering (IJITE)
- **Editor**, Journal of Computer Technology & Applications (JoCTA)
- **Editorial Board Member**, World Applied Programming (WAP) journal
- **International Editor**, G-Conference.Net, Global Genuine Conferences
- **Associate Editorial Board Member**, International Journal of Engineering Research and Applications (IJERA)
- **Editorial Board Member**, International Journal of Applied Research in Computer Science and Information Technology (IJARCSIT)
- **Editorial Advisory Board Member**, Network Security Technologies : Design and Applications, IGI Global, Hershey, PA, USA.
- **Advisory Board Member**, International Journal of Digital Contents and Applications (IJCA)
- **Editorial Board Member**, International Journal of Information Technology and Engineering (IJITE)
- **Editorial Board Member**, Journal of Information Technology and Software Engineering (JITSE)
- **Editorial Board Member**, International Conference on Advances in Computer, Electronics and Electrical Engineering, March 25-26, Bombay, India
- **Associate Editorial Board Member**, International Referred Journal of Engineering and Science (IRJES)
- **Advisory Board Member**, International Journal of Advanced Computer Research (IJACR)
- **Editorial Board Member**, International Journal of Computer Science Engineering (IJCSE).
- **Editorial Committee Member**, 2<sup>nd</sup> International Conference on Digital Contents and Applications (DCA 2013), December 19-21, 2013 Tasmania, Australia
- **Editorial Board Member**, International Journal of Advances in Computer Networks and its Security (IJACNS)
- **International Editorial Board**, International Journal of Advancements in Mechanical and Aeronautical Engineering (IJAMAE)
- **International Editorial Board**, International Journal of Advancements in Civil, Structural and Environmental Engineering (IJACSE)
- **Editorial Board Member**, International Journal of Electrical Engineering and Power Electronics (JEEPE)
- **Editorial Advisory Board Member**, Integration of Data Mining in Business Intelligence Systems, IGI Global, Hershey, PA, USA.
- **Editor**, International Journal of Engineering and Technology Research (IJETR)

- **Technical Program Committee**, International Conference on Medical Imaging, m-Health & Emerging Communication System (MEDCOM 2014), November 7- 8, 2014, G.L. Bajaj Institute of Technology & Management, UP, India
- **Editorial Advisory Board Member** , Network Security Technologies: Design and Applications, IGI Global, Hershey, PA, USA.
- **Editorial Board Member**, International Journal of Computer and Communication System Engineering (IJCCSE)
- **Editor**, International Journal of Computer Technology (IJCT)
- **Editor**, International Journal of Computer Science & Programming Languages
- **Editor**, International Journal of Mobile Computing Devices
- **Editor**, International Journal of Wireless Network Security
- **Editorial Board Member**, MAT Journals
- **Editorial Board Member**, Intelligent Communication Protocols and Algorithms (International Journal)
- **Editorial Board Member**, Taraksh Journal of Cultural Studies
- **Editorial Board Member**, Taraksh Journal of Communications
- **Editorial Board Member**, Taraksh Journal of Information Systems
- **Editorial Board Member**, Taraksh Journal of Physical Education
- **Editorial Board Member**, Taraksh Journal of Web Services
- **Editorial Board Member**, Taraksh Journal of Computing and Networks
- **Editor**, Journal of Computer Science Engineering and Software Testing (JCSEST)
- **Editorial Advisory Board Member** , Mobile Networks and Cloud Computing Covergence for Progressive Service and Applications, IGI Global, Hershey, PA, USA.
- **Editorial Committee Member**, 4<sup>th</sup> International Conference on Digital Contents and Applications (DCA 2015), December 16-19, 2015, Jeju National University, Korea
- **Editorial Board Member**, International Refereed Journal of Engineering and Science
- **Member of Editorial and Reviewer Board**, International Journal of Information Technology and Computer Science (IJITCS)
- **Member**, International Scientific Academy of Engineering & Technology (ISAET)
- **Advisory Committee Member** , International Conference on Communications, Management and Information Technology (ICCMIT 2016), Consenza, Italy – April 26-29,2015
- **Editorial Board Member**, Global Vision School Publication, Tasmania, Australia

- **Technical Program Committee**, Second International Conference on Intelligent Information Processing, Security and Advanced Communication (IPAC 2016), Czech Technical University in Prague, Czech Republic, 5-6 December, 2016.
- **Editorial Board Member**, Blue Eyes Intelligence Engineering & Sciences Publication Pvt.Ltd (BEIESP)
- **Editorial Board Member**, International Journal of Emerging Technology and Advanced Engineering (IJETAE)
- **Editorial Advisory Board Member**, Graph Theoretic Approaches for Analyzing large-Scale Social Networks, IGI Global, Hershey, PA, USA.
- **Editorial Board Member**, International Journal of Engineering and Advanced Technology (IJEAT)
- **Editorial Review Board**, International Journal of System Dynamics Applications (IJSDA), IGI Global Publishers, USA
- **Editorial Review Board**, International Journal of Service Science, Management, Engineering and Technology (IJSSMET), IGI Global Publishers, USA
- **Associate Editor**, IEEE Access, The Multidisciplinary Open Access Journal (2018 – till date)
- **Technical Program Committee**, Second International Conference on Computational Intelligent and Communication Technologies, B.M. Institute of Engineering & Technology, Sonapat, India, November 17, 2018.

#### Professional Service

- **Reviewer** for the book “Data Mining Applications for Empowering Knowledge Societies”, Ideal Group, Hershey, USA, 2007.
- **Reviewer** for an International Journal –“Journal of Information Systems Education (JISE) “
- **Reviewer** for an International Journal –“Journal of Applied Sciences “
- **Reviewer** for an International Journal –“International Journal of Computer Engineering and Software Technology “
- **Reviewer** for an International Conference on Advanced Computer Theory and Engineering 2008 (ICACTE 2008), Phuket , Thailand
- **Reviewer** for The Second International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2009), London, United Kingdom
- **Reviewer** for an International Journal –“International Journal of Computer Science and Information Security (IJCSIS)“
- **Reviewer** for an International Journal –“Journal of Intelligent Manufacturing”
- **Reviewer** at **Science Alert** Peer Review System
- **Reviewer** for an International Journal –“IAENG International Journal of Computer Science”

- **Reviewer** for “2010 Academy of Management Annual Meeting” , Montreal, Canada, August 6-10.
- **Reviewer** for an International Journal – “ International Journal of Next-Generation Computing (IJNGC)”
- **Reviewer** for an International Journal – “ Journal of Information Technology and Applications (JITA)”
- **Reviewer** for an International Journal – “ International Journal of Computer Theory and Engineering (IJCTE)”
- **Reviewer** for an International Conference on Informatics Engineering & Information Science (ICIEIS 2011), University Technology Malaysia, Malaysia, November 14-16, 2011
- **Reviewer** for an International Journal –“International Journal of Advanced Computer Science and Applications – IJACSA”
- **Reviewer** for an International Journal –“International Journal of Networked Computing and Advanced Information Management”
- **Reviewer** for “2012 Academy of Management Annual Meeting” , Boston, Massachusetts, August 3-7, 2012.
- **Reviewer** for “3<sup>rd</sup> IEEE Sponsored National Conference in Emerging Trends and Applications in Computer Science (NCETACS -2012), ” , St. Anthony’s College, Shillong, March 30 -31, 2012
- **Reviewer** for an International Journal – “Journal of Communication and Computer”, David Publishing Company
- **Reviewer** for an International Conference on Communication, Management and Information Technology (ICCMIT 15), April 20-22, 2015, Prague, Czech.
- **Reviewer** for the International Journal - Journal of Engineering Science and Technology (JESTEC)
- **Reviewer** for XII Control Instrumentation System Conference (CISCON – 2015), Manipal Institute of Technology, Manipal, 02-04 November, 2015
- **Reviewer** for the International Journal – Computer Standards & Interfaces (CSI)
- **Reviewer** for Journal of Applied Mathematics & Information Systems (AMIS)
- **Reviewer** for International Conference on Advances in Computing, Control and Communication Technology (IAC3T 2016) , Centre of Computer Education, Institute of Professional Studies, University of Allahabad, March 25-27, 2016.
- **Reviewer** for the paper “ Survivability Strategies for Emerging Wireless Networks with Data Mining Techniques : A Case Study with NetLogo and RapidMiner” for **IEEE Access**, on March 22, 2018.

## Publications

- **Contributed Book Chapters :**
  1. (A.V.Senthil Kumar and R.S.D. Wahidabanu) **Data Mining Association Rules for making**



- Knowledgeable Decisions.** In the book “*Data Mining Applications for Empowering Knowledge Societies*” (Editor: H. Rahman), IGI Global, Hershey, USA. Chapter III, pp. 43-53, *May 2008*.
- 2.(A.V.Senthil Kumar, Adnan Alrabea and Peadamallu Chandra Sekhar) **Temporal Association Rule Mining in Large Databases.** In the book “*Knowledge Discovery Practices and Emerging Applications of Data Mining: Trends and New Domains*” (Editor: A.V.Senthil Kumar), IGI Global, Hershey, USA. Chapter III, pp. 48-65, *September 2010*.
- 3.(Hakikur Rahman and A.V.Senthil Kumar) **Mobile Computing : An emerging issue in the digitized world.** In the book “*Mobile computing Techniques in Emerging Markets : Systems , Applications and Services*” (Editors: A.V.Senthil Kumar and Hakikur Rahman), IGI Global, Hershey, USA. Chapter I, pp. 1- 22, *January 2012*.
- 4.(A.V.Senthil Kumar and M.Kalpana) **Emerging Application of Fuzzy Expert System in Medical Domain.** In the book “*Fuzzy Expert Systems for Disease Diagnosis*” (Editor: A.V.Senthil Kumar), IGI Global, Hershey, USA. Chapter I, pp. 01-20, *March 2015*
- 5.(A.V.Senthil Kumar and M.Kalpana) **Fuzzy Expert System to Diagnose Diabetes using S Weights for S Fuzzy Assessment Methodology.** In the book “*Fuzzy Expert Systems for Disease Diagnosis*” (Editor: A.V.Senthil Kumar), IGI Global, Hershey, USA. Chapter I0, pp. 280-301, *March 2015*
- 6.(A.V.Senthil Kumar and R. Umagandhi) **Applications of Web Usage Mining across Industries.** In the book “*Web Usage Mining Techniques and Applications Across Industries*” (Editor: A.V.Senthil Kumar), IGI Global, Hershey, USA. Chapter 4, pp. 100-124, *August 2016*
7. (R. Umagandhi and A.V.Senthil Kumar) **Search Query Recommendations in Web Information Retrieval Using Query Logs** In the book “*Web Usage Mining Techniques and Applications Across Industries*” (Editor: A.V.Senthil Kumar), IGI Global, Hershey, USA. Chapter 4, pp. 209-234, *August 2016*
8. (P.V. Praveen Sundar and A.V.Senthil Kumar) **A Novel Approach Towards Online Learning for Identifying Disengaged Learners** In the book “*Handbook on Computer and Information Technology (HCIT)*” (Editor: Professor Marwan Al- Akaidi), Research India Publications, India, ISBN No: 978-93-84443-46-7, pp: 113-125.
9. (A.V.Senthil Kumar and P.V.Praveen Sundar) **Impact of Student Engagement in Online Learning Environments** In the book “*Optimizing Student Engagement in Online Learning Environments*” (Editor: A.V.Senthil Kumar), IGI Global, Hershey, USA. Chapter 5, pp. 116-124, *November 2017*
10. (A.V.Senthil Kumar and M. Rathi) **Keystroke Dynamics: A Behavioral Biometric Model for User Authentication in Online Exams** In the book “*Biometric Authentication in Online Learning Environment*” (Editor: A.V.Senthil Kumar), IGI Global, Hershey, USA. Chapter 8, pp. 183-207, *February 2019*
- 11.(Hesham Mohammed Ali Abdullah and A.V.Senthil Kumar) **Selective Cooperative Jamming Based Relay Selection and Blowfish Encryption for Enhancing Channel and Data Security in CRAHN Routing** in the book “*Enabling Technologies and Architectures for Next-Generation Networking Capabilities*” (Editor: Mahmoud Elkhodr), IGI Global, Hershey, USA. Chapter I, pp. 1-27, *March 2019*
12. (C. Amuthavani, S.Swathi and A.V.Senthil Kumar) **A Secure Group Sharing Framework for Batch Files in Public Cloud Computing** in the book “*Recent Research Trends in Management and Social Science*” (Editor: Dr. Tazyn Rahman), Empryal Publishing House, Assam, India, pp. 40-46, *2019*
13. (K. Kanirajan and A.V.Senthil Kumar) **An Efficient Device for Women Safety** in the book “*Recent Research Trends in Management and Social Science*” (Editor: Dr. Tazyn Rahman), Empryal Publishing House, Assam, India, pp. 47-51, *2019*
14. (M. Kalpana and A.V.Senthil Kumar) **Fuzzy Expert System in Agricultural Domain** in the book “*Fuzzy Expert Systems and Applications in Agricultural Diagnosis*” (Editor: A.V.Senthil Kumar and M. Kalpana), IGI Global, Hershey, USA. Chapter 1, pp. 1-15, *July 2019*

- 15.(M. Kalpana and A.V.Senthil Kumar) **Enhanced Fuzzy Assessment Methodology to find Overlapping in Membership function using K Ratio to find the Yield of Rice** in the book "*Fuzzy Expert Systems and Applications in Agricultural Diagnosis* (Editor: A.V.Senthil Kumar and M. Kalpana), IGI Global, Hershey, USA. Chapter 9, pp. 155-174, July 2019
- 16.(A.V.Senthil Kumar, Megha Manoj and Alamelumangai) **Donatario: The Food Donating Application** in the book "*Advancements in Engineering and Management* (Chief Editors: S.Venkatesa Prabhu, Biswadip Basu Mallik, Thangadurai N and S.Gnanasekaran), Manglam Publications, Delhi. Chapter 11, pp. 139-146, (ISBN No: 978-93-911193-01-0) *First Edition 2021*.
- 17.(A.V.Senthil Kumar, Bino Johnson and Jerin G. Johnson) **Automated Care and Rescue System** in the book "*Advancements in Engineering and Management* (Chief Editors: S.Venkatesa Prabhu, Biswadip Basu Mallik, Thangadurai N and S.Gnanasekaran), Manglam Publications, Delhi. Chapter 12, pp. 149-160, (ISBN No: 978-93-911193-01-0) *First Edition 2021*.
- 18.(A.V.Senthil Kumar, Amalraj, Varna Pramod and Arun) **RFID Based E-Trolley** in the book "*Advancements in Engineering and Management* (Chief Editors: S.Venkatesa Prabhu, Biswadip Basu Mallik, Thangadurai N and S.Gnanasekaran), Manglam Publications, Delhi. Chapter 12, pp. 161-170, (ISBN No: 978-93-911193-01-0) *First Edition 2021*.
- 19.(A.V.Senthil Kumar, Kavitha V, Malavika B and Parameshwari S ) **A Review on Big Data and Artificial Intelligence for the Healthcare** in the book "*Big Data Analytics and Artificial Intelligence in the Healthcare Industry*" (Editors: Jose Machado, Hugo Peivoto and Regina Sousa), IGI Global, Hershey, USA. Chapter 3, pp. 73-100, April 2022. ISBN: 1799891720
- 20.(A.V.Senthil Kumar, Manjunatha Rao, Chennamma H.R. and Malavika B) **Data Encryption and Hiding for Secured Data Transmission** in the book "*Methods, Implementation, and Application of Cyber Security Intelligence and Analytics*" (Editors: Jena Om Prakash, H.L. Gururaj, M.R.Pooja and S.P. Pavan Kumar), IGI Global, Hershey, USA. Chapter 8, pp. 131-150, June 2022. ISBN: 1668439913
- 20.(Shilpa Deo, A.V.Senthil Kumar. and Sushil Sharma) **Global Inequality and Global Crises: Past and Present** in the book "*Emerging Trends and Insights on Economic Inequality in the Wake of Global Crises*" (Editors: Shilpa Deo and A.V.Senthil Kumar ), IGI Global, Hershey, USA. Chapter 1, pp. 1-14, June 2022. ISBN: 1668452898

- **Conference Papers**

- 1.(A.V.Senthil Kumar and R.S.Karthik) "**GTW with SPIHT**" in the UGC sponsored National Conference on Networking & Multi- Agent Systems at Gobi Arts College, Gobichettipalayam, 25<sup>th</sup> & 26<sup>th</sup> , Sep 2004
- 2.(A.V.Senthil Kumar and R.S.D. Wahidabanu) "**Directed Graph Approach for Association Rule Mining**" in the 2<sup>nd</sup> Information and Communication Technology Seminar (ICTS) at Graha Sepuluh Nopember ITS, Surabaya, **Indonesia**, August 29<sup>th</sup> , 2006, pp: 362-366.
3. (A.V.Senthil Kumar and R.S.D. Wahidabanu) "**Enhanced Dynamic Hash Method for Mining Association Rules**" in the 2<sup>nd</sup> Information and Communication Technology Seminar (ICTS) at Graha Sepuluh Nopember ITS, Surabaya, **Indonesia**, August 29<sup>th</sup> , 2006, pp: 367-374.
4. (A.V.Senthil Kumar and R.S.Karthik) "**Global Environmental Impact of Computer Waste** " in the International Seminar on "Nurture Nature and Future" at CMS College of Science and Commerce, Coimbatore. 8<sup>th</sup> to 10<sup>th</sup> , Dec 2006.
5. (A.V.Senthil Kumar and R.S.D. Wahidabanu) "**An Algorithm for Mining Association Rules using an Efficient Hashing with Transaction Trimming**" in the International MultiConference of Engineers and Computer Scientists, IMECS 2007, **Hongkong**, March 21-23, 2007, pp: 853-858.
6. (A.V.Senthil Kumar and R.S.D. Wahidabanu) "**Mining Association Rules using Closed Directed Graph Approach**" in the International MultiConference of Engineers and Computer Scientists, IMECS 2007, **Hongkong**, March 21-23, 2007, pp: 776-780.

- 7.(A.V.Senthil Kumar and R.S.D. Wahidabanu) “ **A Fast Approach for Mining Association Rules**” in the UGC sponsored National Conference on Data Mining, at Gobi Arts College, Gobichettipalayam. March 9-10 2007, pp: 174-183, Vol.2, No.3.
8. (A.V.Senthil Kumar and S.M.Jagatheesan) “ **An Efficient approach for Mining Frequent Itemsets**” in the First International Conference on “Data Engineering and Management, ICDEM 2008”, at Bishop Heber College, Tiruchirappalli, February - 2008, pp: 47-49.
9. (A.V.Senthil Kumar and R.S.D. Wahidabanu) “ **Discovery of Frequent Itemsets using DH-Tree Algorithm** ” in the First International Conference on “Data Engineering and Management, ICDEM 2008”, at Bishop Heber College, Tiruchirappalli, February - 2008, pp: 138-144.
10. (A.V.Senthil Kumar and R.S.D. Wahidabanu) “ **A Frequent Item Graph Approach for Discovering Frequent Itemsets**” in the International Conference on Advanced Computer Theory and Engineering (ICACTE 2008) at Phuket, **Thailand**, 20-22 December, 2008, pp: 952-956 (**IEEE Xplore - Digital Object Identifier 10.1109/ICACTE.2008.129 & indexed by ISI Proceeding**).
11. (Adnan I. Al Rabea, Mohammed Jaber, A.V.Senthil Kumar) “ **Solution for String Matching Problem of Indian Alphabetical Letters**” in the International Conference on Computer Technology and Development, ICCTD 2009, **Kota Kinabalu, Malaysia**, November 13-15 2009 pp: 11-14.
12. (Weiqi Wang, Yanbo J.Wang, Rene Banares-Alcantara, A.V.Senthil Kumar, Frans Coenen, Zhanfeng Cui) “ **Applications of Association Rule Mining Techniques in the Analysis of Mesenchymal Stem Cell Surface Marker Expression**” in the International Conference on Computer Applications and Information Technology, CAIT 2010, at Hindusthan College of Arts and Science, Coimbatore, September – 2010, pp: 23-28.
13. (Chandra Sekhar Pedomallu, Linet Ozdamar, Senthil Kumar) “ **Computational methods for prediction of protein-protein interaction networks**” in the International Conference on Computer Applications and Information Technology, CAIT 2010, at Hindusthan College of Arts and Science, Coimbatore, September – 2010, pp: 63-69.
- 14.(A.V.Senthil Kumar , M.Chitra Devi) “ **A Study on Similarity Based Temporal Association Mining**” in the National Conference on Recent Advances in Statistics and Computer Application, at Bharathiar University, Coimbatore, December 21-23 - 2010.
- 15.(A.V.Senthil Kumar , M.Chitra Devi) “ **An Index Support Approach for Item Set Mining**” in the International Conference on Recent Trends in Information Technology, at Kaamadhenu Arts and Science College, Sathyamangalam, January 11, 2011.
- 16.(A.V.Senthil Kumar ) “ **Temporal Association Rule Mining using Graph Based Approach**” in the National Conference on Current Trends in Computing, at Sri Krishna Arts and Science College, Coimbatore, February 12, 2011.
- 17.(A.V.Senthil Kumar, M. Kalpana ) “ **Communications in Computer and Information Science: Diagnosis of Diabetes using Intensified Fuzzy Verdict Mechanism**” in the International Conference on Informatics Engineering & Information Science (ICIEIS 2011), at Universiti Teknologi Malaysia, Malaysia, November 14-16,2011. A.Abd Manaf et al. (Eds.): ICIEIS 2011, Part III, CCIS 253, pp. 123-135, 2011. Springer – Verlag Berline Heidelberg 2011.
- 18.A.V.Senthil Kumar) “ **Adaptive Neuro-Fuzzy Inference System for Heart Disease Diagnosis**” in the International Conference on Information System, Computer Engineering & Application (ICISCEA 2011), Singapore, November 28,,2011, pp. 91-99.
- 19.(Lars Frank, A.V.Senthil Kumar ) “ **Architecture for Mobile Control Functions in Supplier Deliveries for Distributed Integrated ERP Module<sup>1</sup>**” in the International Conference on Ubiquitous Information Management and Communication (ICUIMC 2012), at Kuala Lumpur, Malaysia, February 20-22, 2012.
- 20.(Ibrahiem M.M. El Emary, Abdel Badeeh M. Salem and A.V. Senthil Kumar ) “**Cloud Computing**

- in Education Systems : Capabilities and Limitations”** in the Eight Annual International Conference on Information Technology & Computer Science, 21-24, May 2012, Athens, Greece
21. (R. Umagandhi and A.V. Senthil Kumar ) **“Concept based Time Independent Query Recommendations from Search Engine Query Logs”** in the International Conference on Computer Applications and Advanced Communications, 17-18, September, Singapore
  22. (J. Savitha and A.V. Senthil Kumar ) **“Face Recognition using different methods in Neural Networks”** in the International Conference on Advanced Computing, Engineering & Technology, 22-23, October, pp. 37-39, Malaysia.
  23. (S. Mythili and A.V. Senthil Kumar ) **“A Proficient Accomplishment of Datamania of Genetic Algorithm by applying K-means Clustering ”** in the International Conference on Computing, Engineering & Information Technology (ICCEIT 2012), November 26-27, 2012, , pp. 53-60, Bangalore, India
  24. (R. Umagandhi and A.V. Senthil Kumar ) **“Time Independent Query Recommendations from Search Engine Query Logs”** in the International Conference on Software Engineering and Mobile Application Modelling and Development (ICSEMA 2012) 19-21, December, Chennai
  25. (A.V. Senthil Kumar ) **“ Diagnosis of heart disease using Advanced Fuzzy resolution mechanism”** in the International Conference on Computing, Technology and Engineering (ICCTE 2013), Dubai, March 11-12, 2013, pp. 22-30
  26. (P.V. Praveen Sundar and A.V. Senthil Kumar ) **“Evaluation of Regional Benchmark Impact in EDM”** in the International Conference on Advances in e-Education, e-Government, e-Technology and e-Learning (IA4E 2013) 15-16, April, Singapore
  27. ( Kalpana M and A.V. Senthil Kumar ) **“Fuzzy Expert System to Diagnosis the Yield of Rice using Fuzzy Assessment Methodology”** in the International Conference (ICDMW) 2013, pp. 48-56, @ Elsevier Publications 2013, (Eds.) K.R. Venugopal, P. Deepa Shenoy and L.M. Patnaik
  28. ( Kalpana M and A.V. Senthil Kumar ) **“Design and Implementation of Fuzzy Assessment Methodology using K Ratio for Fuzzy Expert System”** in the International Conference Emerging Research in Computing, Information, Communication and Applications (ERCICA 2013), pp. 62-67, 02-03 August , 2013, Bangalore , @ Elsevier Publications
  29. (P.V. Praveen Sundar and A.V. Senthil Kumar ) **“An Enhanced Disengagement Detection in Online Learning using Quasi Framework”** in Advances in Applied Engineering and Technology - 2015, 14-16 May, 2015, Syed Ammal Engineering College, Ramanathapuram, Tamilnadu, India.
  30. (S. Mythili and A.V. Senthil Kumar ) **“CTCHABC – hybrid Online Sequential Fuzzy Extreme Kernel Learning Method for Detection of Breast Cancer with Hierarchical Artificial Bee”** in the IEEE International Advance Computing Conference - 2015, pp. 343-348, 12-13 June, 2015, BMS College of Engineering, Bangalore.
  31. (P.V. Praveen Sundar and A.V. Senthil Kumar ) **“A Novel Disengagement Detection Strategy for Online learning using Quasi Framework”** in the IEEE International Advance Computing Conference - 2015, , pp. 634-638, 12-13 June, 2015, BMS College of Engineering, Bangalore
  32. (A.V. Senthil Kumar ) **“ Heart Disease Prediction using Data Mining preprocessing and Hierarchical Clustering”** in the International Conference on Advances in Electrical, Electronics, Computing and Communications Engineering (ICAEECC 2015), November 16-17, 2015, Singapore, pp. 7-18
  33. (S. Mythili and A.V. Senthil Kumar ) **“ Detection of Circulating Tumor Cells in Breast Cancer with Heterogeneous Clustering Optimization Ensemble Framework”** in the International Conference on Advances in Electrical, Electronics, Computing and Communications Engineering (ICAEECC 2015), November 16-17, 2015, Singapore, pp. 23-32

- 34.(Adnan Al-Rabea, Seddik Bri and A.V.Senthil Kumar ) “**Multi-Class Semisupervised Booting for Cleveland Heart Disease Prediction**” in the International Conference on Paradigms in Engineering & Technology, Methodist College of Engineering & Technology (ICPET 2016), 2-3 March, 2016, Hyderabad, India, pp. 829-836
- 35.(Soufiane Chukili, Seddik Bri and A.V.Senthil Kumar ) “**High Speed Efficient FPGA implementation of pipelined AES S-Box**” in the 4<sup>th</sup> International Colloquium on Information Science and Technology (ICIST 2016), 24-26 October, 2016, Tangier-Assilah, Morocco
- 36.(M. Ilango and A.V.Senthil Kumar ) “**Deterministic Multicast Link Based Energy Optimized Routing in Manet**” in the 2017 Second IEEE International Conference on Electrical, Computer and Communication Technologies, 22-24, February 2017, SVS College of Engineering, Coimbatore, India
- 37.(Hesham Mohammed Ali Abdullah and A.V. Senthil Kumar ) “**HFSA-SORA: Hybrid Firefly Simulated Annealing Based Spectrum Opportunistic Routing Algorithm for Cognitive Radio Ad Hoc Networks (CRAHN)**” International Conference on Intelligent Computing and Control (I2CS), , Karpagam College of Engineering, Coimbatore, India, 23-24 June 2017.
- 38.(A. Caroline and A.V. Senthil Kumar ) “**Flow Control Mechanisms - TRUMP**” 2<sup>nd</sup> International Conference on Applied Soft Computing Techniques”, Kalasalingam University, India, 23-24 March 2018, pp: 405-407.
39. (M.Rathi and A.V. Senthil Kumar ) “**A Study on Biometric Authentication Techniques – Applications, Challenges**” International Conference on Recent Trends in Computing Technologies”, P.K.R. Arts College for Women, India, 16<sup>th</sup> August 2018, pp. 25-26.
40. (R. Sivaranjani and A.V. Senthil Kumar ) “ **Secure and Energy Efficient Based Healthcare Data Transmission Wireless Sensor Network**” Proceeding of the International Conference on Computer Networks, Big Data and IoT (ICCBI – 2018), 19-20 December 2018, pp. 327 - 333, Madurai, India, **Lecture Notes on Data Engineering and Communication Technologies, Springer Series (Web of Science)**
- 41.(R. Sivaranjani and A.V. Senthil Kumar ) “ **Energy-Efficient Routing Based Distributed Cluster for Wireless Sensor Network**” Proceeding of the Innovative Data Communication Technologies and Application (ICIDCA 2019), 17-18 October 2019, pp. 489 - 497, Coimbatore, India, **Lecture Notes on Data Engineering and Communication Technologies, Springer Series**
42. (Ilango M, A.V. Senthil Kumar and Amit Dutta ) “ **Binomial Logistic Regression Resource Optimized Routing in MANET**” Proceeding of the Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2020), 20-21, February 2020, Bangalore, India, **Lecture Notes on Data Engineering and Communication Technologies, Springer Series**
- 43.(A.V.Senthil Kumar, Hesham Mohammed Ali Adbullah, P.Hemashree) “**An Efficient Geographical Opportunistic Routing Algorithm using Diffusion and Sparse Approximation Models for Cognitive Radio Ad Hoc Networks**” Springer Nature, Switzerland, New Trends in Computational Vision and Bio-inspired, Page no. 323 - 333. **Scopus Indexed**
- 44.(M.Kalpna, I.Karthiba, A.V.Senthil Kumar) “**Disease Severity Diagnosis for Rice using Fuzzy Verdict Method**” Springer Nature, Switzerland, New Trends in Computational Vision and Bio-inspired, Page no. 873 - 880 **Scopus Indexed**
- 45.(M.Rathi, A.V.Senthil Kumar) “**A Study on Deep Learning Approach to Keystroke Dynamics Authentication**” International Conference on Signals, Communication and Embedded (ICSCES 2020), ICT Academy, 14-18 October 2020, Page no. 238 - 241 **UGC Care List**
- 46.(K.Padmavathi, A.V.Senthil Kumar, Amit Dutta) “**Hybrid Feature Selection Method for Predicting the Kidney Disease Membranous Nephropathy**” Proceeding of Innovations in Computational Intelligence and Computer Vision (ICICV 2020), Springer Nature, Singapore, Advances in Intelligent Systems and Computing, Page no. 472 - 478 **Scopus Indexed**
- 47.(Dhanusha C and A.V.Senthil Kumar) “**Deep Recurrent Q Reinforcement Learning Model to**

**predict the Alzheimer Disease using Smart Home Sensor Data”** IOP Conf Series Materials Science and Engineering **1074** 012014 (CHSN 2020), Page Nos 1-9.

48. (M. Rathi, A.V. Senthil Kumar and Amit Dutta ) “ **Butterfly Algorithm Boosted Deep Random Vector Functional Link Network for Keystroke Dynamics”** Proceeding of the ICSCS 2021 held in Salem, India, pp 129 – 145. **Soft Computing for Security Applications, Springer Series. eBook ISBN 978-981-16-5301-8, Print ISBN 978-981-16-5300-1**

49. (J. Poornimha, A.V. Senthil Kumar and Ismail Bin Musirin ) “ **Scheduling Method to Improve Energy Consumption in WSN”** Proceedings of the ICPCSN 2021 held in Salem, India, pp 523 - 537. **Pervasive Computing and Social Networking, Lecture Notes in Networks and Systems book series (LNNS, Vol 317)**

50. (G.Dhanusha, A.V. Senthil Kumar, Ismail Bin Musirin and Hesham Mohammed Ali Abdullah) “ **Chaotic Chicken Swarm Optimization-Based Deep Adaptive Clustering for Alzheimer Disease Detection”** Proceedings of the ICPCSN 2021 held in Salem, India, pp 709 - 719. **Pervasive Computing and Social Networking, Lecture Notes in Networks and Systems book series (LNNS, Vol 317) – Scopus Indexed**

51. (M. Ilango, A.V. Senthil Kumar and Binod Kumar) “ **Meta-Heuristic-Fireflies Correlated Algorithm for Optimized Routing in MANETS”** Proceedings of the ICICCT 2021 held in Government College of Technology, India, pp 685 - 694. **Innovative Communication and Computational Technologies, Lecture Notes in Networks and Systems book series (LNNS, Vol 311) – Scopus Indexed**

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#### Others

- **Key Member for India** , Machine Intelligence Research Lab (MIR Labs)
- **Fellow**, Indian Society of Computer Engineers (FISCE)
- **Member**, Computer Society of India (Membership No: 01152115)
- **Senior Member** , Universal Association of Computer and Electronics Engineers (UACEE), Membership No: SNM1002500
- Successfully completed **International Research in Data Mining** , under the supervision of the certified **MAC (Management Assessment and Certification Pte. Ltd., Singapore ) External Auditors (Graded A++; Ctn No. SIN#IND RS0111007; CIMA No. CIMA/RS/0111007 ; Dated. 2<sup>nd</sup> January 2011)**
- **Freelance writer for Tamil Computer** (a fortnightly) and **PC Friend** (monthly). In the **Tamil Computer** magazine solutions for technical questions (**Kelvi-Bathil**) raised by various readers is provided by me from 2005..
- Passed English Type-writing (Higher)
- Passed Rashtrabhasha in Hindi
- **Life Member** , International Association of Engineers (IAENG)
- **Member** , The Indian Science Congress Association
- **Member** , Internet Society (ISOC)
- **Member** , The British Science Association, London
- **Member** , Institute for Computer Science, Social Informatics and Telecommunications (ICST)
- **Senior Member** , International Association of Computer Science and Information Technology (IACSIT – Member No: 803439083)
- **Member** , Indian Association for Research in Computing Science (IARCS)
- **Program Committee Member**, for an International Conference –“Software Engineering Processes and Applications (SEPA 2009)“, June 29 – July 2, 2009, Yongin, Korea.
- **Committee Member**, for an International Conference – IADIS Multi Conference on Computer Science and Information System, July 26 – 31, 2010, Freiburg, Germany
- **Life Member, Systems Society of India**
- **Member**, Computer Science Teachers Association, New York
- **Program Committee Member**, for an International Conference – IADIS 1<sup>st</sup> International Conference on Collaborative Technologies , February 25 – 28, 2010, Rome, Italy
- **Program Member**, *The IEEE International Symposium on Parallel and*

*Distributed Processing with Applications (ISPA '10)* “, September 6 – 9, 2010, Taipei, Taiwan.

- **Program Committee Member**, *The International Conference on Advanced Data Mining and Applications (ADMA 2010)*, ChongQing, China, November, 19-21, 2010
- **International Program Committee Member**, *The Second International Conference on Software Engineering and Computer Systems (ICSECS 2011)*, Malaysia, June 27-29, 2011.
- **International Program Committee Member**, *The International Conference on Digital Information Processing and Communications (ICDIPC)*, Ostrava, Czech Republic, July 7-9, 2011.
- **Technical Committee Member**, National Conference on Future Information Technology, RVS College of Arts and Science, 7<sup>th</sup> October, 2010.
- **Program Committee Member**, for an International Conference – IADIS 2<sup>nd</sup> International Conference on Collaborative Technologies , July 20 – 26, 2011, Rome, Italy
- **Member**, The Society of Digital Information and Wireless Communications
- **Bronze Member, - Society: Intelligent Systems**, KES International, United Kingdom
- **Technical Program Committee**, Smart Communication Protocols & Algorithms (SCPA 2011), December 5-9, 2011, Texas, USA
- **Technical Committee Member**, for an International Conference – ICCA 2012, International Conference on Computer Applications, 27-31 January, 2012, Pondicherry, India
- **International Program Committee Member**, *The International Conference on Digital Information and Communications Technology and its Applications (DICTAP 2011)*, Universite de Bourgogne, France , June, 21-23, 2011.
- **Technical Committee**, for an International Conference – ICMET 2011, 3<sup>rd</sup> International Conference on Mechanical and Electrical Technology, 26-27 August, 2011, Dalian, China
- **Program Committee Member**, *4<sup>th</sup> International Conference on Interaction Sciences : IT, Human and Digital Content (ICIS 2011)*, August 16-18, Busan, Korea.
- **Program Committee Member**, *International Conference on Mobile IT Convergence (ICMIC 2011)*, September 26-28, Gumi, Korea
- **Program Committee Member**, *7<sup>th</sup> International Conference on Networked Computing (INC 2011)*, September 26-28, Gumi, Korea
- **Program Committee Member**, *2<sup>nd</sup> International Conference on Engineering and Industries (ICEI 2011)*, November 29 – December 1, 2011, Jeju Island, Korea
- **International Program Committee Member**, *The Second International Conference on Digital Information and Communication Technology and its Applications (DICTAP 2012)*, Bangkok, Thailand, May 16-18, 2012.
- **International Program Committee Member**, *The First International*

*Conference on Informatics & Applications (ICIA 2012)*, Kuala Terengganu, Malaysia, June 3-5, 2012.

- **International Program Committee Member**, *The Second International Conference on Digital Information Processing and Communications (ICDIPC 2012)*, Klaipeda, Lithuania, July 10-12, 2012.
- **International Program Committee Member**, *The Second International Conference on Digital Enterprise and Information Systems (DEIS 2012)*, Ostrava, Czech Republic, July 16-18, 2012.
- **Program Member**, *2012 IEEE International Symposium on Biometrics and Security Technologies (ISBAST 2012)*, Taipei, Taiwan, March, 26-29, 2012
- **Program Member**, *The IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA '10)*, September 6 – 9, Taipei, Taiwan.
- **Program Member**, *3<sup>rd</sup> International Conference on Computer Science and Applications (CIIA '11)* 13-15 December 2011, Saida, Algeria
- **Advisory and Review Board**, World Conference on Financial Crisis and Impact – Antalya, Turkey, September 28 – October 2, 2011.
- **Program Committee Member**, *5<sup>th</sup> International Conference on New Trends in Information Science and Service Science, (NISS)*, October 24-26, 2011, Macao
- **Advisory Chair**, The Sixth International Conference on Digital Society (ICDS), Jan 30<sup>th</sup> – Feb 4<sup>th</sup>, 2012, Valencia, Spain.
- **Program Committee**, International Conference on Advanced Computing and Communication Technologies, ACCT12, January 7-8, 2012, Rohtak, India.
- **International Program Committee**, International Conference on Data Mining, Computational and Business intelligence, DMCBI-2012, 16-17 February, Bhubaneshwar, Orissa, India
- **Program Committee Member**, *The 3<sup>rd</sup> International Conference on Multimedia Computing and Systems (ICMCS'12)*, Tangier, Morocco, May 10-12, 2012
- **International Program Committee Member**, *International Conference on Informatics, Electronics & Vision (ICIEV12)*, Dhaka, Bangladesh, May 18-19, 2012.
- **International Program Committee**, International Conference on Collective Intelligence Technologies and Applications, ICCCI 2012, 28-30 November, Ho ChiMihn City, Vietnam
- **Publicity Chair**, International Conference on E-Learning and E-Technologies in Education, ICEEE 2012, 24-26 September, Lodz, Poland
- **Program Committee**, International Conference on Soft Computing, Intelligent System and Information Technology, 3<sup>rd</sup> ICSIIT 2012, May 24-25, 2012, Bali, Indonesia
- **International Program Committee**, The World Congress on E-Commerce and Business on the Web, WCEBW 2012, 27-29 August, 2012, London Metropolitan University, London, United Kingdom
- **International Program Committee**, *The International Conference*

*on Computing, Networking and Digital Technologies (ICCNDDT 2012), Gulf University, Bahrain, November 11-13, 2012*

- **International Committee Member**, *AICIT's International Conference Series.*
- **Program Committee Member**, *First International e-Conference on Computer Engineering (IeCCE) 2012, Kenya, January 15, 2012.*
- **Technical Committee Member**, *International Conference on Networks & Cyber Security (ICNCS-12), Vijayawada, 5-6 January, 2012*
- **Program Committee Member**, *8<sup>th</sup> International Conference on ICT in Education, Research, and Industrial Applications, (ICTERI 2012), Kherson State University, Kherson, Ukraine, 6-10, June 2012*
- **Program Committee Member**, *International Workshop on Technologies and Applications for Cyber Physical System, (TACPS -12), Gwangju, Korea, September 6-8, 2012*
- **Program Committee Member**, *9<sup>th</sup> International Conference on Informatics in Control, Automation and Robotics, (ICINCO 2012), 28-31, July, Rome, Italy.*
- **Program Committee Member**, *International E-Conference on Information Technology and Applications (IECITA 2012), March 10, 2012, a virtual forum.*
- **Technical Committee Member**, *7<sup>th</sup> International Conference on Design and Technology of Integrated Systems in Nanoscale Era (DTIS 2012), May 16-18, Gammarth, Tunisia*
- **Senior Member, Science and Engineering Institute (SCIEI)**, Membership Number: 0091 20120112002
- **Program Committee Member**, *3<sup>rd</sup> Annual International Conference on Computer Science Education: Innovation and Technology (CSEIT 2012), 19-20, November, Bali, Indonesia*
- **National Committee Member**, *International Conference on Emerging Trends in Communication (ICETEC 2012), 8-9 March, 2012, Mariam College of Engineering and Technology, Attoor, India.*
- **Program Committee Member**, *1<sup>st</sup> International Conference on Emerging Trends in Computer & Information Technology (ICETCIT 2012), 13-14 May, 2012, Coimbatore, India*
- **Technical Committee Member**, *International Conference on Information Theory and Information Security (ICITIS 2012), 27-29 July, 2012, Qinhuangdao, China*
- **Program Committee Member**, *CUBE International IT Conference, & Exhibition, 3-5 September, 2012, Pune, India*
- **Program Committee Member**, *International Conference on Data Technologies and Applications (DATA 2012), 25-27 July, 2012, Tome, Italy*
- **Advisory Committee Member**, *The Seventh International Conference on Digital Society (ICDS), Feb 24 – March 1, 2013, Nice, Spain*
- **Editorial Committee Member**, *International Conference on Digital Contents and Applications (DCA 2012), December 16-19, 2012, Kangwondo, Korea*
- **Committee Member**, *The 2012 World Congress in Computer science,*



Computer Engineering and Applied Computing, (*WORLDCOMP '12*), 16-19 July 2012, Las Vegas, Nevada, USA

- **Technical Program Committee Member**, *The Third International Conference on Digital Information Processing and Communications (IDCIPC 2012)*, Jan 30 – Feb 1, 2013, Dubai, UAE.
- **International Program Committee Member**, *The International Conference on Digital Information Processing and Communications (ICDIPC)*, Ostrava, Czech Republic, July 7-9, 2011
- **Technical Program Committee**, Smart The 1<sup>st</sup> IEEE Workshop of Electric Vehicle Networks for Smart Grid Applications (EVN- SGA 2013), Germany,, June 2, 2013, Dresden, Germany
- **Program Committee Member**, *International Conference on Design and Technology of Integrated Systems in Nanoscale Era (DTIS 2013)*, March 26-28, Abu Dhabi, UAE
- **Program Committee Member**, *4<sup>th</sup> Annual International Conference on Computer Science Education: Innovation and Technology (CSEIT 2013)*, 09-10, September, Bangkok, Thailand
- **Program Member**, *4<sup>th</sup> International Conference on Computer Science and Applications (CIIA '13)* 04-06 May 2013, Saida, Algeria
- **International Program Committee Member**, *The International Conference on Digital Information Processing, E-Business and Cloud Computing (DIPECC 2013)*, Dubai, UAE, October 23-25, 2013
- **Advisory Committee Member**, The Eighth International Conference on Digital Society (ICDS) March 23 – 27, 2014, Barcelona, Spain
- **Program Committee Member**, Track: Business Intelligence and Data Mining Applications, 18<sup>th</sup> International Database Engineering & Applications Symposium, IDEAS '14, July 7-9, 2014, Portugal
- **Program Committee Member**, *5<sup>th</sup> Annual International Conference on Computer Science Education: Innovation and Technology (CSEIT 2014)*, 22-23, September, Singapore
- **Program Committee**, International Conference on Advanced Computing and Communication Technologies, ACCT14, February 8-9, 2014, Rohtak, India.
- **Program Committee**, 1<sup>st</sup> International Conference on Engineering and Applied Sciences (ICEASE 2014), Vandavasi, Tamilnadu, March 5-7, 2014
- **Program Committee**, International Conference on Computing Technology and Information Management (ICCTIM 2014), Dubai, UAE, April 9-11, 2014
- **Program Committee**, International Conference on Electrical and Bio-Medical Engineering, Clean Energy and Green Computing (EBECEGC 2015), January 28-30, 2015, Dubai, UAE
- **Advisory Committee Member**, The Ninth International Conference on Digital Society (ICDS) February 22-27, 2015, Lisbon, Portugal
- **Program Committee**, International Conference on Soft Computing, Intelligent System and Information Technology (4<sup>th</sup> ICSIT 2015), Bali, Indonesia, 12-13 March, 2015.

- **Program Committee**, The Third International Conference on Digital Information, Networking, and Wireless Communications (DINWC 2015) February 3-5, 2015, Moscow, Russia
- **Program Committee Member**, “Thirukkural Kalvettukkal arutharagam”, Hindusthan College of Arts and Science, September 9, 2014.
- **Chairperson**, “National Conference on Emerging Computer Technology”, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, September 23<sup>rd</sup>, 2014
- **Technical Program Committee**, International Conference on Advanced Wireless, Information and Communication Technologies (AWICT 2015), Tunisia.
- **Program Committee**, 5<sup>th</sup> International Conference on Computer Science and its Applications (CIIA 2015), 6-7 May, 2015, Saida, Algeria
- **Program Committee Member**, 6<sup>th</sup> Annual International Conference on Computer Science Education: Innovation and Technology (CSEIT 2015), 5-6, October 2015, Singapore
- **Program Committee Member**, 1<sup>st</sup> International Conference on Higher Education Advances (HEAd'15), 24-26 June, 2015, Valencia, Spain
- **International Program Committee Member**, The International Conference on Electronics and Software Science (ICESS 2015), July 20-22, 2015, Takamatsu, Japan
- **Technical Program Committee**, International Conference on Advanced Computing and Communication Technologies, ACCT15, February 21-22, 2015, Rohtak, India.
- **Program Committee Member**, International Conference on Recent Trends in Science, Engineering and Technology (ICRTSET 2015), 8<sup>th</sup> February 2015, Chennai, India
- **Program Committee Member**, 1<sup>st</sup> International Conference on Engineering, Management and Applied Sciences (ICEMAS 2015), 5-7 March 2015, MNSK College of Engineering, Dhakshinapuram, Vallathirakkottai (Post), Pudukkotta, India
- **Program Committee Member**, 7<sup>th</sup> ICT Innovations Conference 2015 (ICT 2015), 1-4 October 2015, Ohrid, R.Macedonia
- **Program Committee Member**, The Fourth International Conference on Informatics & Applications (ICIA 2015), July 20-22, 2015, Takamatsu, Japan
- **Program Committee Member**, 19<sup>th</sup> International Database Engineering & Applications Symposium (IDEAS '15), July 13-15, 2015, Yokohoma, Japan
- **International Program Committee Member**, The Second International Conference on Electronics and Electronics Engineering, Clean Energy and Green Computing (EECEGC 2015), Mevlana Universities, Antalya, Turkey, May 26-28, 2015
- **International Program Committee Member**, The International Conference on Electronics and Software Science (ICESS 2015), Kagawa University, Takamatsu, Japan, July 20-22, 2015
- **International Program Committee Member**, The Fourth International Conference on Informatics & Applications (ICIA 2015), Kagawa University,

Takamatsu, Japan, July 20-22, 2015.

- **Member**, European Alliance for Innovation, USA
- **International Program Committee Member**, *The South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA – CECNSM 2015)*, Greece, September 25-27, 2015
- **International Program Committee**, The Third International Conference on Artificial Intelligence and Pattern Recognition, ICAIPR 2016, 19-24 September, Lodz, Poland
- **Program Committee Member**, *International Conference on Engineering, Technology and Applied Science (ICETAS 2016)*, February 25-27, 2016, KKC College of Engineering and Technology, India
- **Program Committee Member**, *International Conference on Open and Big Data (OBD 2016)*, February 22-24, 2016, Vienna, Austria
- **International Program Committee Member**, *2016 Universal Technology Management Conference (UTMC)*, Bemidji State University, Minnesota, USA, May 26-28, 2016
- **Technical Committee Member**, *2016 The 8<sup>th</sup> International Conference on Future Computer and Communication (ICFCC 2016)*, Hongkong, April 28-30, 2016
- **Technical Chair**, *International Conference on Computational Intelligence in Data Mining (ICCIDM 2016)*, 10-11, December 2016, KIIT University, Bhubaneswar, Odisha, India
- **Advisory Committee Member**, International conference on Change, Innovation, Informatics and Disruptive Technology, 11-12, October, 2016, London, UK
- **Program Committee Member**, *2<sup>nd</sup> International Conference on Open and Big Data (OBD 2016)*, August 22-24, 2016, Vienna, Austria
- **Program Committee Member**, *Workshop on applications, Services and Techniques related to Smart City (CSTSC 2016)*, 29 – 2 December 2016, Las Palmas Gran Canaria, Spain
- **Program Committee Member**, *5<sup>th</sup> International Conference on Soft Computing, Intelligent System and Information Technology (ICSIIIT 2017)*, July 12-15, 2017, Bali, Indonesia
- **Scientific Committee Member**, *4<sup>th</sup> International Colloquium on Information Science and Technology (ICIST 2016)*, October 24-26, 2016, Tangier-Assilah, Morocco
- **Program Committee Member**, *2<sup>nd</sup> International Computer Sciences and Informatics Conference (ICSIC 2017)*, 29 – 30 April, 2017, Amman, Jordan
- **Program Committee Member**, *3<sup>rd</sup> International Conference on Big Data Innovations and Applications*, 21 – 23 August 2017, Prague, Czech Republic
- **International Program Committee Member**, *The 2<sup>nd</sup> International Computer Sciences and Informatics Conference*, 23-24, September 2017, Amman Arab University, Jordan
- **Program Committee Member**, *HEAd'18*, June 20-22, 2018, Valencia, Spain

- **Editorial Review Board**, *Egyptian Computer Science, Journal*
- **International Program Committee Member**, *The Second International Conference of Computing and Informatics 2019 (ICCI -2019)*, 16-17, April 2019, Benha University, Egypt.

#### Other Professional Activities

- Attended the TNSCST sponsored workshop on “**Web Designing & Hosting**” organised by Department of Computer Science, Avinashilingam Institute of Home Science & Higher Education for Women , Coimbatore . Held on 24<sup>th</sup> Sep 2004
- Attended the National Seminar on “**Impact and Future Direction of Open Source Software**” in association with Computer Society of India held at Krishnammal College for Women, Coimbatore . Held on 17<sup>th</sup> Sep 2004
- Attended the “**Faculty Development Programme**” held at CMS College of Science and Commerce, Coimbatore. Held on 4<sup>th</sup> February 2005.
- Presented a technical interview with “**Makkal Tholaikkatchi**” on 3/09/2007 about “Promoting Information Technology to Villages”
- Attended the “**Faculty Development Programme**” held at CMS College of Science and Commerce, Coimbatore. Held on 9<sup>th</sup> February 2008.
- Attended the “**Connect Coimbatore 2009**” organized by Confederation of Indian Industry, Coimbatore Zone on 27<sup>th</sup> February 2009.
- Attended the “**Workshop on Preparation of Projects for UGC Financial Assistance – Phase I**” organized by Bharathiar University on 02<sup>nd</sup> November 2010.
- Attended the “**Workshop on Preparation of Projects for UGC Financial Assistance – Phase II**” organized by Bharathiar University on 23<sup>rd</sup> December 2010.
- Participated in the “**International Conference in Emerging Trends in Computer & Information Technology**” Coimbatore, India on 13<sup>th</sup> May, 2012.
- Participated in the One-day programme on “**Appreciative Inquiry – A Positive Approach**” Hindusthan College of Arts and Science, Coimbatore, India on 25<sup>th</sup> August, 2012.
- Participated in the One-day programme on “**Academy – Industry Meet**” organized by Bharathiar University on 06<sup>th</sup> March, 2013
- Attended the Faculty Development Programme on “**How to Write Research Proposals**” organized by PG and Research Department of Biotechnology and Microbiology, Hindusthan College of Arts and Science, Coimbatore, on July 31, 2013
- Attended the Faculty Development Programme on “**Multiple-Intelligence – Creating Learning Environment and Teaching Methodologies**” organized by PG and Research Department of Computer Applications, Hindusthan College of Arts and Science, on December 3, 2013
- Attended the One-day Workshop on “**Revised Assessment & Accreditation Framework of NAAC**” organized by Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore , on October 27, 2018
- Attended 4 days Faculty Development Programme organized by

Hindusthan College of Arts and Science, Coimbatore during January 2–5 January 5, 2020.

- Participated in the 3 days online workshop on “**Machine Learning & Artificial Intelligence for Real Time Applications**”, organized by the Department of Extension and Career Guidance, Bharathiar University, Coimbatore in collaboration with Brainlab Ai from 09-11 July 2020
- Participated in the 6 days online Faculty Development Programme titled “**Innovations and Best Practices in Higher Education**”, jointly organized by IQAC, Centre of Excellence for Faculty Development (CExFD), Hindusthan College of Arts and Science, Coimbatore and MHRD’s Institutions Innovation Council (IIC), New Delhi held during 13<sup>th</sup> to 18<sup>th</sup> July, 2020.

#### **Personal Details**

- Married
- Date of Birth :09.12.1966
- Indian – Hindu
- Permanent Address : Site No.6, 1<sup>st</sup> Street, Sridevi Nagar, Ganapathy, Coimbatore –641 006. Tamilnadu. INDIA.