



Dr. A. SENTHILRAJAN
Director

Contact

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Alagappa University
Karaikudi – 630 003
Tamil Nadu, INDIA

Employee Number : 51001

Date of Birth : 29-07-1969

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Academic Qualifications: BE., MBA., M.sc(IT)., M.Phil., Ph.D.

Course	Year	Institution
Ph.D (CS) Eng	2011	Alagappa University
Msc (IT)	2011	Alagappa University
M.Phil (CS)	2007	Alagappa University
MBA Systems	2005	Madurai Kamaraj University
BE (CS)	1996	Bangalore University

Teaching Experience: 21 Years

Research Experience: 05 Years

Areas of Research

Image Processing, Networks, Artificial Intelligence.

Activities

1. Board of Examiners for UG/PG Bangalore University from 2006 – 2008.
2. Board of Examiners for regular /correspondence course Bangalore University
3. Board of Examiners for PG Mount carmel college, Bangalore.
4. Board of Examiners for UG/PG Christ University , Bangalore.
5. Board of Examiners and board of syllabus committee in Jyoti Nivas College,Bangalore
6. Board of Examiners in Alagappa University, Karaikudi.
7. Board of Studies in Alagappa University, Karaikudi.
8. Board of Member in IQAC Jyoti Nivas College, Bangalore.
9. IEEE member from 2006 till date.
10. IAENG (International Association of Engineers) member from 2011 till date.
11. IACSIT (International Association of Computer Science and International Tech).
12. Examiner for Ph.D Viva-Voce, Madurai Kamaraj University, Madurai.
14. Examiner for Ph.D Viva-Voce, Bharathiyar University, Coimbatore.
15. Reviewer for International Journal of Plant Science.
16. Reviewer for International Association of Computer Science and International Tech
17. Senate Member in Alagappa University, Karaikudi.
18. Standing committee in Alagappa University, Karaikudi.
19. Squad Member in Alagappa University, Karaikudi.

20. Board of member in Department of Life Long Learning.
21. Chairman for Board of Question Paper Setters in Annamalai University.
22. Member in Digital Library and Cloud Computing Faculties in University, Higher education
23. Nodal officer to set up data bank in the Alagappa university website.
24. Secretary for the website network committee for Alagappa University, Karaikudi.
25. Nodal officer for NMEICT Project to implement the campus LAN.
26. Felicitation address given in the Intellect 2014 at Nachiyappa Swamigal Arts & Science College Kovilur.
27. Guest Lecture on “**Digital Image Filtering** on 27th March 2014 for MCA, MSc
28. (CS&IT), MPhil, Ph.D Scholars at Mother Teresa Women’s University, Kodaikanal.
29. Selection committee member as a subject expert Mother Teresa Women’s University.
30. Selection committee member–Subject Expert as a UGC, BVoc “Software Development Programme”
31. Attended the Colloquium on higher education quality of the event conducted by Internal Quality Assurance Cell on 9th January 2015 at Alagappa University.
32. Computer science and Application Question paper setter for the state level eligibility Test (TNSET-16).
33. Nodal officer for conducting spoken tutorial, NMECIT, IIT, Mumbai.
34. Coordinator “Kanithamzh Peravai” for Tamil virtual university , Chennai.
35. Member in Video Surveillance Camera, Alagappa University
36. Advisory Committee member – National Conference on Advanced Computing, Sastra University Kumbakonam.

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
08	17	04	19	04

International Conference

1. **Dr.A.Senthilrajan**, Dr.E.Ramaraj, "**Parallel Sorting Algorithm**", 12th International workshop on Future Trends of Distributed Computing Systems, Kunming,China.21-23,October 2008. Paper presented and published.
2. **Dr.A.Senthilrajan**, Dr.E.Ramaraj, "**Multi Core processor to support network parallel Image processing applications**", International conference on signal processing system 15-17 May 2009, Singapore. Organized by International association of computer science and IT. IEEE computer society, ISBN: 978-0-7695-3654-5. Paper presented and published.
3. **Dr.A.Senthilrajan**, Dr.E.Ramaraj, International multi conference of engineers and computer scientists ,17-19,March,2010, "**High Density Impulse Noise removal using Median Filter**", Hongkong ,International Association of Engineers. ISBN: 978-988-18210-4-1, ISSN: 2078-0958. Paper presented and published.
4. **Dr.A.Senthilrajan**, Dr.E.Ramaraj, "**Median Filter Using Multiprocessing in Agriculture**", in 10th International Conference on Signal Processing (ICSP'10), Oct.24-28,2010, Beijing, China, Organized by IEEE Signal Processing Society Paper was presented and published.
5. **Dr.A.Senthilrajan**, Dr.E.Ramaraj, "**Median Filter in Agriculture**", in World Congress on Engineering and Computer Science 2010 San Francisco, USA, 20-22 October, 2010 Organized by the International Association of Engineers (IAENG).ISBN: 978-988-17012-0-6. Published.
6. **Dr.A.Senthilrajan**, "**Optimized parameters for noise level estimation in image processing**" , 3rd International Conference on Computer Technology and Development, ICCTD 2011,Chengdu, China. November 25-27, 2011. Published.
7. **Dr.A.Senthilrajan**, "**Image processing Techniques for paddy disease**", world congress on Engineering 2012", Imperial college, London. July 4-6, 2012, presented and Published.
8. **Dr.A.Senthilrajan**, "**Paddy Grade and Dirt Classification using Image Processing Techniques**", in International Conference on Emerging Trends in Communication, Control, Signal Processing and computing Applications"(C2SPCA) 2013, at Bangalore on 10th and 11th October 2013, presented and published.
9. Chair Person in International conference on "**Advances in Mathematical Sciences - 2015**" held during March19 -21, 2015 organized by GSSDGS, Khalsa College, patiyala in collaboration with IMRF.

10. **“Shape Feature Extraction of Cut Leaves in Paddy”** International conference on emerging trends in science, Engineering, Business, ICBDM, February 27th – 28th, 2015 at Noorul Islam University, Kumaracoil, Tamilnadu.
11. **“Pest Control in Paddy Using Segmentation in Image Processing”** International Academic & Research Conference – 2015 at Vijayawada on October 09-10, 2015 organized by **IMRF , UNESCO**.
12. **Bavithra Matharasi, N. Vijayalakshmi, Dr.A.Senthilrajan , “A study on Various Techniques and Challenges in Sentiment Analysis”**, in International conference on Innovations in Computer Science & Technology – 2016 at Alagappa University, Karaikudi.Paper was presented.
13. **Gopala Krishna Nagasarapu, Dr.A.Senthilrajan , “ Implementation of speech steganography using spread spectrum with wavelet domain ”**, in International conference on Innovations in Computer Science & Technology – 2016 at Alagappa University, Karaikudi.Paper was presented.
14. **J.Tamilselvan, Dr.A.Senthilrajan , “Constructing and maintaining large web repositories through continuous web crawling”**, in International conference on Innovations in Computer Science & Technology – 2016 at Alagappa University, Karaikudi.Paper was presented.
15. **M.Sangeetha, Dr.A.Senthilrajan , “Analysis of methods in wavelet domain for image resolution”**, in International conference on Innovations in Computer Science & Technology – 2016 at Alagappa University, Karaikudi.Paper was presented.
16. **Dr.A.Senthilrajan, “Diagnosing Infective Diseases in Paddy Using Mobile Device”**, in International Conference on Symposium on Electrical, Electronic Engineering and Digital Technology”(SEDT 2016) at Tokyo, Japan on December 6-8, 2016, presented and published.
17. **Dr.A.Senthilrajan, “Image Reduction Using Edge Based Region of Interest”**, in International Conference on Advanced Material Technologies”(ICAMT 2016) at Visakhapatnam, Andhra Pradesh on December 27-28, 2016. Paper was published.

National Conferences

1. **Dr. A. Senthilrajan , Dr.E.Ramaraj, “Filtering techniques”**, in National level conference - 2006 at jyoti nivas college, Koramangala, Bangalore. Paper was presented.
2. **Dr. A. Senthilrajan , Dr.E.Ramaraj, “Efficient parallel algorithm for filters”**, Entitled in UGC-SAP(DRS). National conference on mathematics-2007 at Gandhigram Rural University. Paper was presented.

3. Dr. **A. Senthilrajan** , Dr.E.Ramaraj, "**Median filters using Parallel algorithm**", in national level seminar on strategies of Advanced networking technology-2007 at PGP college of Arts and science, Namakkal. Paper was presented
4. Attended National Conference on Technical Vocational Education, Training and skills Development by AICTE, Delhi on Dec 17-18 ,2008.
5. Attended Workshop on IDL by IEEE, MS University, Tirunelveli.
6. Attended **National Cyber Safety and Security Standards Summit** at Chennai on 27th and 28th 2013.
7. Attended **Education Tech Summit** at New Delhi on 21st and 22nd June 2013.
8. "**Modern Trends in Software**" technical talk in the Indian software Industry-Growth and future 19th and 20th September 2014, UGC Sponsored National seminar conducted by Skill Development Centre, Alagappa University.
9. Chair Person National Conference an Information Technology for Sustainable Future, NCTISF 2014, Jain University, Bangalore 9th May 2014.
10. National conference on "**Engineering Applications for Developing Smart Cities**" held during March 30, 2015 organized by Dhirajlal Gandhi college of technology, Salem.
11. Generalized non-local mean algorithm for De-Speckling of Digital images. National conference on "**Recent Advancements in Software Development**" (**NCRASD-2015**) organized by Skill Development Centre, Alagappa University, Karaikudi held on 23rd March 2015.
12. National conference on "**Comparative Study of Retrieval of Image Using Histogram and Entropy**" organized by Skill Development Centre, Alagappa University, Karaikudi held on 23rd March 2015.
13. Conducted a session on Green computing in Thiagarajar College of Engineering, Madurai, and TEQIP sponsored workshop on Wireless Networks – A Step towards Green Communication.
14. Organized Image Processing Workshop from 7th – 13th March 2014 at Alagappa University, Computer Centre.
15. Guest Lecture on "**Digital Image Filtering**" on 27th March 2014 for MCA, MSc (CS & IT), MPhil, Ph.D Scholars at Mother Teresa Women's University, Kodaikanal.

16. Attended NKN Annual Workshop on 21st and 22nd January 2016 at Jawaharlal Nehru Technologies University, Hyderabad.
17. Attended ICTACT Bridge 2016 Chennai edition on 24th February 2016.
18. Attended the RUSA – One Day Training on 23rd August 2016 at Anna University.
19. Attended the DIDAC INDIA 2016 on September 28th to 30th at Bangalore International Exhibition Centre.

Journals

1. Paper published on European journal of Scientific Research and Impact Factors 0.76, **“FPGA Implementation of Matrix-Vector Multiplication for Image Processing Application”** 2013.
2. **“Efficient Image Retrieval In Real Time Database Using Grey Model Technique In Mathematical Sciences”**, International Research Journal, Vol - 4, Issue - 1, ISSN 2278 – 8697, page:216

Distinctive Achievements / Awards

Nominee for world who is who book for year 2008 and 2009

National Conference Organised.

1. Convenor and organised National level Conference on Artificial Intelligence and Parallel computing –September 8th and 9th,2006.
2. Convenor and organised National conference on Information Technology and- Business management October 30th and 31st,2009.
3. Convenor and organised National conference on Information computing and Management challenges in contemporary business - 21st and 22nd,2011

International Conference Organised:

1. Convenor and organized international Conference on Computing and Information Technology - September 23rd and 24th,2013. Alagappa University – Karaikudi.

Other Training Programs

1. Hardware maintenance
2. S/W Installation
3. Troubleshooting
4. Network administration.
5. Team building
6. (i). Social development program at Sheshaiya homes, Austinpatti, Madurai.
(ii). Social development (Outreach program), Sumanahalli, Bangalore.

Overseas Exposure / Visits

1. **Yunnan University**, 2, Cui Hubei road, Kunming, Yunnan, China
2. **National University of Singapore (NUS)**, 21 Lower Kent Ridge Road, Singapore 119077
3. **Nanyang Technological University (NTU)**, 50 Nanyang Avenue, Singapore 639798
4. **City University, Hong Kong** . Tat Chee Avenue, Kowloon, Hong Kong SAR .
5. **University of Hong Kong** , Pokfulam, Hong Kong.
6. **Beijing University of Technology**, Beijing,100124,P.R.CHINA
7. **Imperial College**, London
8. **Assumption university**, Bangkok.
9. Higher Education Forum, Japan.
10. Pattaya City, Thailand

Professional Bodies

1. Board of Examiners for UG/PG - Bangalore University from 2006 – 2008.
2. Board of Examiners for regular /correspondence course - Bangalore University
3. Board of Examiners for PG Mount Carmel college, Bangalore.
5. Board of Examiners for UG/PG Christ University, Bangalore.
6. Board of Examiners and board of syllabus committee in Jyoti Nivas College, Bangalore
7. Board of Examiners, Alagappa University, Karaikudi.
8. Board of Studies, Alagappa University, Karaikudi.

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19. Squad Member in Alagappa University, Karaikudi.
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21. Chairman for Board of Question Paper Setters in Annamalai University.
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24. Secretary for the website network committee for Alagappa University, Karaikudi.
25. Nodal officer for NMEICT Project to implement the campus LAN.
26. Selection committee member as a subject expert Mother Teresa Women's University.
27. Selection committee member: UGC-B.Voc. "Software Development Programme"

Chair Person in International/National Conference

1. Chair Person in 12th International workshop on Future Trends of Distributed Computing Systems, Kunming, China.21-23,October 2008.
2. Chair Person in International conference on signal processing system 15-17 May 2009, Singapore. Organized by International association of computer science and IT.
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4. Chair Person in 10th International Conference on Signal Processing (ICSP'10), Oct.24-28,2010, Beijing, China,
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9. Chair Person National Conference an Information Technology for Sustainable Future, NCTISF 2014, Jain University, Bangalore 9th May 2014.
10. Keynote Speech in International Conference on International Multidisciplinary

Academic Conference Thailand – 2015(**IMAC 2015**) held during November 02-06, 2015 at Hotel DVaree, Pattaya city, Thailand.

11. Keynote Speaker in international conference on “**Current trends in advanced computing Banglore -2016(ICCTAC-2016)**” held during March 10-11, 2016 at Kristu Jayanthi College, Bangalore.
12. Chair Person in International on Symposium on Electrical, Electronic Engineering and Digital Technology” (SEDT 2016) held during December 6-8, 2016 at Tokyo, Japan.

Others

1. Attended the Colloquium on higher education quality of the event conducted by Internal Quality Assurance Cell on 9th January 2015 at Alagappa University.
2. Felicitation address given in the Intellect 2014 at Nachiyappa Swamigal Arts & Science College, Koviloor.
3. Guest Lecture on “Digital Image Filtering on 27th March 2014 for MCA, MSc (CS&IT), MPhil, Ph.D Scholars at Mother Teresa Women’s University, Kodaikanal.

Recent Publications

1. FPGA Implementation of Matrix-Vector Multiplication for Image Processing Application, European journal of Scientific Research, 2013 (Impact Factors 0.76)
2. Efficient Image Retrieval In Real Time Database Using Grey Model Technique In Mathematical Sciences”, International Research Journal, Vol - 4, Issue - 1, ISSN 2278 – 8697, page:216
3. C2SPCA-Paddy grade and dirt classification using Image processing techniques” International Research Journal, ISSN: 978-1-4799-1085-4, Impact Factor: 6.810
4. An efficient scheme for Robust Image Denoising using Probable Non Local Mean Algorithm”, International Journal of Scientific & Engineering Research, Volume 5, Issue 8, August-2014, P10, ISSN :2229-5518-04.