

Profile:

N. Sivashanmugam

Assistant Professor & Director i/c,
School of Computer Science
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Educational Qualification:

S.No.	Examination Passed	Name of the Board/ University	Year of Passing	Subject
1	B.E. (CSE)	Bharathidasan University, Trichirapalli, Tamil Nadu	2004	Computer Science & Engineering
2	MCA	Tamil Nadu Open University	2008	Computer Application
3	M.Tech (CSE)	SRM University, Chennai	2011	Computer Science & Engineering
4	Ph.D	University of Madras, Chennai	Pursuing	Computer science

Additional Qualification:

1. Post graduate diploma in Computer Networks (PGDCN)
2. Certificate in Computer hardware (CCH)

Academic Services:

S.No	Nature of Service	Institution/University	Duration	
			From	To
1	Assistant Professor Computer Science	Tamil Nadu Open University	13.5.2006	Till Date

2	Director I/C, School of Computer Science	Tamil Nadu Open University	24.01.2020	Till Date
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Other Academic/Additional activities:

S.No	Nature of Service	Institution/University	Duration	
			From	To
1	Chairman Board of Examiners	Tamil Nadu Open University	2010	2014
2	Chairman Board of Studies School of Computer Science	Tamil Nadu Open University	2011	2014
3	Member Academic Council	Tamil Nadu Open University	2013	2017
4	Nodal Officer	MHRD, AISHE, New Delhi.	2013	2017
5	Nodal Officer	UGC, New Delhi.	2014	Till Date
6	Nodal officer	NKN	2013	2017
7	Nodal officer	TNOGD, Chief Data Officer	2019	Till Date
8	Member, Board of Studies School of Computer Science	Tamil Nadu Open University	2006	Till Date
9	Subject expert member Entrepreneurship- cum-skill Development Centre (ESDC)	Tamil Nadu Open University	2013	Till Date

10	Member , Smart Class Room	Tamil Nadu Open University	2013	Till Date
11	Electronic Media Production and Research Centre - EMPRC	Tamil Nadu Open University	2011	2012
12	Hardware Unit - coordinator	Tamil Nadu Open University	2016	2017
13	Coordinator	TNOU - Regional Centre, Tirunelveli.	July 2017	Jan 2020
14	Director i/c	Centre for University Informatics, TNOU	Jan 2020	June 2020

Membership in Professional Bodies:

1. International Association for Engineering & Technology (IAENG) : **102670**
2. Computer Society of India (CSI) – Associate Member : **01077666**

Additional Activities:

- a. Convener for question paper setting and Evaluation in recruitment of Data Entry Operators of TNOU on May 2013.
- b. Convener for question paper setting and Evaluation in recruitment of Junior Assistant of TNOU on September 2013.
- c. Convener for question paper setting and Evaluation in recruitment of programmer, Assistant programmer, Data Entry Operator, Junior Assistant and Office Assistant of TNOU on April 2015.
- d. Convener for question paper setting and Evaluation in recruitment of Junior Assistant of TNOU on September 2013.

Research Supervision:

Degree	No. of Student Enrolled	Status
M.Phil- Computer Science	04	Awarded

Sponsored Projects from Government Agencies

- Acted as one among the panel members to conduct Interview for the selection of candidates for Skill development training in Computer Software offered by Our University and Tally India Pvt Ltd for unemployed youth in the coastal areas of Tsunami affected Minjur and Thiruvallur Districts.
- Organized one day international seminar entitled “Current practices in computing education and E-Learning“ by inviting the following three renowned academicians from the following foreign universities on 21st March 2013
- Organized An International Workshop On “CURRICULUM DEVELOPMENT FOR COMPUTER SCIENCE” on 22nd and 23rd March 2013
- Act as Subject expert member for Entrepreneurship-cum-skill Development Centre (ESDC) along with School of Science, School of Management Studies and School of Social Sciences actively involved in the functions of ESDC, which is established with the funds sanctioned by the Department of Higher Education, Government of Tamil Nadu.
- Act as member in Smart Class Room establishment project with the funds sanctioned by the Department of Higher Education, Government of Tamil Nadu.
- Organizing committee member for the International Conference in Psychology (ICCPEP-2013) as a joint venture between Tamil Nadu Open University (TNOU) and Women Christian College held on 28th & 29th November 2013.

Technical Seminars/ Workshops / Symposiums attended

1. Seminar on ‘Content Digitization’ by Expertus Pvt Ltd on 21-01-2007 at Dowleth Towers, Taylor’s Road, Kilpauk, Chennai.
2. AICTE-ISTE sponsored short-term training Programme on ‘Computer hardware & Networking technologies’ conducted by National Institute of

Technical Teachers Training & Research, Taramani, Chennai during March 05-09, 2007.

3. Hands-on Workshop on Production of E-Content Materials organized by Tamil Nadu Open University, Chennai during April 2-6, 2007.
4. A National Symposium on Open and Distance Learning for Development organized by Tamil Nadu Open University, Chennai during March 16-17, 2007.
5. Two week ISTE Workshop on “Effective Teaching/Learning of Computer Programming” conducted by IITB, Mumbai from 28.06.2010 to 10.07.2010 at Conducted by Indian Institute of Technology, Bombay.
6. Participated in the third international seminar on “Research in Computers: Why, What and How?” held at Bharathiyar University on 11th March 2013.
7. Participated in the National Seminar on Imminent Trends in Advanced Computing and Technology” held on 13th April, 2013, at Senthamarai College of Arts and Science, Madurai- 21.
8. Participated in Two week ISTE Workshop on “DATABASE MANAGEMENT SYSTEM” from 21st to 31st May 2013, Conducted by Indian Institute of Technology, Bombay.
9. Participated in one day workshop on Ethical Hacking on March 15, 2014 conducted by isysway technologies, thanjavur, Tamilnadu
10. Participated in Two week ISTE Workshop on “Cyber Security” from 10th to 20th July 2014, Conducted by Indian Institute of Technology, Bombay.
11. Participated in one day Workshop on AICTE Recommended E-Resources Access through Gateway Portal Organized by University Library, Anna University, Chennai and Informatics Publishing Ltd, Bangalore. The workshop is scheduled on 18th March 2016 at CEG Campus, Anna University, Chennai.
12. Participated in Regional training programme on URKUND- An Anti Plagiarism detection Tool. on 22.09.2015. organized by INFLIBNET and Anna University, Chennai.
13. Participated in Author workshop on 02.11.2015. organized by springer and Anna University, Chennai.

Papers presented/published in National & International Journals/Conferences

1. Presented paper entitled Impacts of Data Mining on Higher Education in the International conference on Education, Culture and Literature of Greece and India held on 2nd December 2009 at Sri Venkateshwara College of Education.
2. Presented paper entitled “Recent Intention to adopt E-learning in Distance Education” in the International conference on Quality Enhancement in Distance Education for lifelong learning held on 26 & 27th March 2011 at Bharathidasan University, Trichy. ISBN: 978-81-908078-7-6
3. Presented paper entitled “Preparing and Overseeing the remote real experimentation in education using Information Technology” in the International conference on Quality Enhancement in Distance Education for lifelong learning held on 26 & 27th March 2011 at Bharathidasan University, Trichy.
4. Presented Paper entitled “Strengthening ICT Leadership In Developing Countries in the National Conference on opportunities and Challenges of Contemporary Management Practices in Indian Arena organized by Dept. of Management Studies at Vidya vikas College of Engineering and Technology, Tiruchengodu, TN. On 13th October 2012.
5. Published Paper entitled “Strengthening ICT Leadership In Developing Countries in the SELP Journal of Social Science by Indian Academic Researchers Association, Volume III, issue 12, On October 2012. ISSN: 0975-9999
6. Presented paper entitled a study on opportunities and challenges of Knowledge management approach to E-Learning, at UGC sponsored National Conference on “recent trends in management practices-NCRMP on 25th & 26th Feb 2013, organized by Rajah Serfoji Government College, Thanjavur, Tamilnadu.
7. Published paper entitled “Adaptive Enhancement Technique for M-Learning” in Sudharssanam International Journal of Management Review on February 2013. ISSN: 2277-5803.
8. Published paper in conference proceedings entitled “Emerging technologies and trends for innovative delivery of engineering curriculum”, in International Conference on curriculum engineering principles and practices, 8th and 9th of March 2013, organised by vellalar college of Education for Women, Erode-638012. ISBN: 978-93-5001-390-8.

9. Presented a paper entitled challenges in Public Health Services Management and ICT enabled Delivery system in International Conference on “Enhancement of ICT for Preceptors and Leadership Preparation” on 29th and 30th March’ 2013, organised by IQAC, Kasthooribha Gandhi College of Education, Namakkal (D.T).
10. Presented a paper entitled” Remote monitoring of fleets based on GIS using open source software Application” in 8th International Congress on Climate Change, Territorial Classification & Socio-Economic Crisis” during 23rd to 25th April 2013, organised by Bharadhasan University, Triuchirappalli. ISBN: 978-93-81899-32-8.
11. Published paper entitled Challenges in ICTs Opportunities for a new generation women, Research Explorer, International Research journal on Multidisciplinary, Vol - II, July 2013. ISSN: 2250-1940.
12. Published paper entitled “Enhancement of ICT Enabled Virtual Learning Environment Using Cloud Computing, in the International Conference on “Current Perspectives in Educational Psychology”on 28th & 29th November, 2013, ISBN: 978-93-5001-418-9. Organized by TNOU & WCC, Chennai.
13. Published Research paper entitled Generic Algorithm based Data Retrieval Technique in Data Mining, in IJIRIS, Volume 1, Issue 6, December 2014. ISSN: 2349-7009.
14. Published paper entitled Reduce the false positive and False Negative from Real traffic with Intrusion Detection in Zigbee Wireless Networks, in the IOSR Journal of computer engineering Vol.17, Issue 1, Jan-Feb. 2015. ISSN: 2278-8727.
15. Published Paper entitled Semantic Resource Management Algorithm Based Data Retrieval Technique in Data Mining, in IJMTER Journal Volume 2, Issue 7, July 2015. ISSN: 2349-9745.
16. Published Paper entitled An Efficient Keyword Based Searching For Mining Frequent Datasets in International Journal of Scientific & Engineering Research, Volume 6, Issue 8, August-2015 ISSN 2229-5518
17. Published paper entitled A Study of Various Segmentation Techniques for Cursive Handwritten Words Recognition in IJMTER Journal Volume 2, Issue 9, September 2015. ISSN: 2393-8161.

18. Presented paper titled Challenges and rise of women empowerment among IT industries in India on 15 and 16th October 2015, at Bharathidasan University, Trichy.
19. Published paper, A Study of Elastic Transactional Data Storage in the Cloud Computing International Research Journal of Computer Science (IRJCS) Issue 04, Volume 3 (April 2016) ISSN: 2393-9842
20. Presented paper, An effective web content trust Assessment model for Evaluation of web sites using web mining techniques on may 21, 2016 at Bharathidasan University, Trichy.
21. Published paper, Chunking Algorithm based data Deduplication, International journal of corrosion science and Engineering. ISSN: 2395-7018, Pp:94-101.
22. Published paper, An efficient general decentralized clustering algorithm for search engines, International journal of corrosion science and Engineering. Pp:102-112, ISSN: 2395-7018
23. Published paper, Probabilistic Similarity Query Based Searching Measurement For Imperfect Data Sets, International journal of corrosion science and Engineering, Pp: 90-94, ISSN: 2395-7018
24. Sivashanmugam N, Venkateshwaran J., "An Enhanced Bandwidth Optimization in Un-reliable Network using Efficient Bandwidth Utilization based Scheduling Algorithm", Indonesian Journal of Electrical Engineering and Computer Science, Vol. 1, No.10, pp.596-605,2018.
25. Sivashanmugam N, Venkateshwaran J., "An Efficient Bandwidth Optimization and Minimizing Energy Consumption Utilizing Efficient Reliability and Interval Discrepant Routing (ERIDR) Algorithm", International Journal of Computer Network and Communication, Vol. 10, No.4, pp. 91-101,2018.
26. An Efficient Approach for Detecting Non-Bound layers using Advance Segment Intelligence Chronicle Data Detection (ASICDD), International Journal of Innovations in Engineering and Technology (IJJET), Volume 6 Issue 1 October 2015, ISSN: 2319 – 1058.
27. Presented paper entitled, "Challenges and comprehensive review of the recent Research in wireless sensor network" International Conference on interdisciplinary innovation in Business Management & Technology(IIBMT), Annai Veilankanni`s college for women., on 10th August 2017.

28. Presented paper entitled, "An Efficient Energy Consumption Wireless Communication Techniques for Applications of Internet of Things (IoT)" IEEE 4th International Conference on Devices and Systems (ICDCS-2018), at Karunya Institute of Technology and Sciences, Coimbatore- 641 114. 17th and 18th March 2018.
29. Presented paper, An Performance assessment and comparison of various classification of Attacks in data mining, International conference on "Cyber security and E-governance" Kodaikanal Christian college. 2019.
30. Presented paper, An effective web content trust assessment model(WCTAM) for evaluation of websites using webmining techniques, Emerging trends in Innovation in Academic Research, Bharathidasan University.2019
31. Presented paper, Influence of Cloud Computing in the Development of Information Systems for SMEs, Issues & challenges in the New Millennium on Evolving Economy, Accounting & Business Management, Guru Nanak College, Chennai. 2019

Award received:

1. "**Best researcher award**" from Indian Academic Researchers Association – IARA award-2016. Received on 21st may 2016.

(Sivashanmugam N)