Profile

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EducationalQualification:

S. No.	Examination Passed	Name of the Board/University	Year of Passing	Subject
1	B.E.	Bharathidasan University, Triuchirappalli, Tamil Nadu.	2004	Computer Science & Engineering
2	MCA	Tamil Nadu Open University	2008	Computer Application
3	M.Tech	SRM University, Chennai	2011	Computer Science & Engineering
4	Ph.D	University of Madras, Chennai	2022	Computer science/ Applications

Additional Qualification:

1. Post graduate diploma in Computer Networks (PGDCN).
2. Certificate in Computer hardware (CCH).
3. Certificate Course in ASP.NET.
4. Certificate course in MYSQL and PHP.

Academic Services:

S.No	Nature of Service	Institution/University	Duration	From
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	08-10-2021

Other Academic / Additional activities:

S.No	Natureof 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	13-12-2021
6	Nodal officer	NKN	2013	2017
7	Nodal officer	TNOGD, Chief Data Officer	2019	TillDate

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	Member, Board of Studies for Computer Science	TANSCHE	2020	Till date
15	Director i/c	Centre for University Informatics, TNOU	Jan 2020	June 2020
16	Director i/c, Regional Centre, Villupuram.	Tamil Nadu Open University	Dec 2021	Mar 2022
17	Director i/c, Regional Centre, Mayiladuthurai.	Tamil Nadu Open University	Mar 2022	Till Date

MembershipinProfessionalBodies:

1. InternationalAssociationfor Engineering&Technology(IAENG)**: 102670**

2. ComputerSocietyof India (CSI)– AssociateMember:**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 2015.

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.

a) SLM course Written:

S.No	Title	Year of Pub.	Name of the Publication
1.	Computer Networks	2007	TNOU
2.	Data Mining Techniques	2016	TNOU
3.	Big data Analytics	2016	TNOU
4.	Web Application Development	2017	TNOU
5.	Cloud architecture	2017	TNOU
6.	Multimedia systems	2018	TNOU
7.	Computer applications	2018	TNOU
8.	Office automation	2018	TNOU
9.	Basic computer	2018	TNOU
10.	Programming Techniques	2018	TNOU
11.	Fundamentals of Computing	2020	TNOU

12.	Data structures	2021	TNOU
13.	Operating System	2022	TNOU
14.	Computer fundamentals and PC Software	2023	TNOU

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 April2-6, 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" from 28.06.2010 to10.07.2010 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 on11th March 2013.

7. Participated in the National Seminar on Imminent Trends in Advanced Computing and Technology" held on13th April, 2013, at Senthamarai College of Arts and Science, Madurai-21.

8. Participated in Two week ISTE Workshop on "DATABASE MANAGEMENT

SYSTEM" from 21stto 31st May 2013, Conducted by Indian Institute of Technology, Bombay.

9. Participated in one day workshop on Ethical Hacking on March15, 2014 conducted by isysway technologies, thanjavur, Tamilnadu.

10. Participated in Two week ISTE Workshop on "Cyber Security" from 10thto 20th July 2014, Conducted by Indian Institute of Technology, Bombay.

11. Participated in Regional training programme on URKUND-An Anti Plagiarism detection Tool. On 22.09.2015. organized by INFLIBNET and Anna University, Chennai.

12. Participated in Author workshop on 02.11.2015.organized by springer and Anna University, Chennai.

13. 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 on18th March 2016 at CEG Campus, Anna University, Chennai.

14. Attended the Refresher CourseUGC-HRDCUniversity of Madras in Computer science and information technology at from 08.11.2019 to 21.11.2019.

15. Attended the Online Workshop on e-content development using OER and ICT, TNOU & CEMCA workshop, May 04 to May 06, 2020.

16. Attended the Webinar on Development of Micro sensors and their Applications Using artificial Intelligence, Amity University, Madhya Pradesh, On May 08, 2020.

17. Attended the Webinar on "Trends in Artificial Intelligence: A modern Perspective" Dept. of Electronics & communication Engineering, 28.05.2020.

18. Attended the International webinar on Introduction of AI Computer Vision and

Robotics, Department of Computer Science & engineering, Shivajirao kadam Institute of Technology and Management, Indore, MP. 01.06.2020.

19. Attended the Webinar on Trends in Artificial Intelligence: A Modern Perspective, Wiley, 16th March 2021.

20. Participated in Data Science Webinar organized by Hindu College (HU), University of Delhi (DU), New Delhi , June 2021.

21. Participated in Data Science Webinar organised by Hindu, College (HU), University of Delhi (DU), New Delhi, June 2021

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 adobt E-learning in Distance Education "in the International conference on Quality Enhancement in Distance Education for life long learning held on 26 & 27th March 2011at Bharathidasan University, trichy.ISBN:978-81-908078-7-6

3. Presented paper entitled "Preparaing 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. On13th 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, issue12, 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 9thof March 2013, organized 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, organized 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, organized by Bharadhidasan 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, Issue1, 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, Issue8, 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 websites 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 (IJIET), Volume 6 Issue1 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-641114. 17th and 18th March 2018.

29. Presented paper, An Performance assessment and comparison of various classification of Attacks in datamining, International conference on "Cyber security and E-governance" Kodaikanal Christian college. 2019.

30. 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.

31. Published paper entitled "Challenges and widespread review of the current Research in wireless sensor network", International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 11 Nov. 2022, pp: 474-480. www.ijaem.net ISSN: 2395-5252.

32. Published paper entitled An Efficient Energy Consumption Wireless Communication Techniques for Applications of Internet of Things (IoT), International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 11 Nov. 2022, pp: 550-560 www.ijaem.net ISSN: 2395-5252.

33. Published paper entitled A study about the risks and preventive measures in IoT Security concern, JETIR Nov 2022, Volume 9 Issue 11, pp: 760-764 ISSN: 2349-5162.

34. Published paper entitled Artificial Intelligence in medical Process Domains, IJCRT Nov 2022, volume 10, Issue 11. Pp: 738-741 ISSN: 2320-2882.

Award received:

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

(Sivashanmugam N)