RESUME

Dr.V.Vallinayagi M.Sc., M.Phil.,Ph.D.,
Head & Associate Professor of Computer Science,
Sri Sarada College for Women (Autonomous), Tirunelveli -627011 Tamilnadu, India
Mobile : 6374036705
E-Mail : vallinayagimagesh@gmail.com

EDUCATIONAL QUALIFICATION:

- ➢ **Ph.D** in Computer Science from the Manonmaniam Sundaranar University in the year 2017

- ➢ **M.Phil** in Computer Science from the Mother Teresa Women's University, Kodaikanal in the year 2004
- ➢ **M.Sc** in Computer Science from the Seethalakshmi Ramasamy College, Trichy in the year 1991

PROFESSIONAL EXPERIENCE   :   (25 Years)

S.No	Designation	Institution	Duration	Years of Experience
1	Head & professor	Sri Sarada college for women	1997-till date	25 years 4 months

1997 – Till Date   Head & Associate Professor of Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli-627011, Tamilnadu.

PATENT:
1. **A Framework of Sensors to Identify the Nutrition Value of Mushrooms**, 2022; India Patent; Patent Number: Patent   Application no 202241014319 A, Published on 25th March 2022
2. **Machine Learning Based Approach to Predict the Corporate Responsibilities , Ethics and Accountabilty**,2022, 20221020971A ,Published on 07th July 2022

AWARDS RECEIVED:
1. BEST RESEARCH PAPER AWARD (25 -03-22) International Conference on Advance Science in Engineering,
2. BEST PAPER PRESENTER AWARD (25 -03-22) International Conference on Advance Science in Engineering,
3. Membership IAENG (International Association of Engineers)

Recognitions:

- Invited as Chairperson in Symposiums, Conference
- Appointed as Approved Guide for M.Phil and Ph.D Computer Science by Bharathiyar University and Karpagam University
- Doctoral Committee Member in Manonmaniam Sundaranar University, Tirunelveli, Mother Terasa Women's University, Kodaikanal
- BCA- BOS Member in VHNSS College, Virudhunagar
- B.Sc - Board of Studies Chairman (2014-Till Date) , MS University-627012
- Invited as Chairperson in the International Conference
- Vice principal in the year 2019-2020
- Produced 3 Ph.D Scholars
- Reviewer in Editorial Board

Publications in Journals:

S. No.	Title	Name of the Journal (National/International)	Page.No. (From-To)	ISSN/ISBN	Year
1	Ecommerce in Client / Server Technology Using SNMP Protocol	Journal of Computer Applications	37-41	ISSN – 0974 1925	2009
2	Monitoring Network Management Using Client/Server Performance	International journal on Intelligent electronic systems	22-26	ISSN: 2319-9598	2011
3	Integration of SNMP,CORBA and XML in web based environment	Lingaya's Journal of professional Studies	112-115	ISSN: 0975-539X	2011
4	Performance comparison of dymo in adhoc networks	Pragnavani Journal of Research Aspirants	20-24	ISSN:2249-6017	2012
5	Trust Aware AODV	International Journal of Engineering and ComputerScience	2641-2644	ISSN : 2319-7242	2013
6	A New Algorithm in AODV-LR Routing Protocol in Mobile ADHOC Network	International conference on Advanced computing	190	ISBN-989351072461	2014
7	Next Hop Selection in Diplomat path for Opportunistic Routing	International Journal of Innovative Research and Advanced Studies	23-26	ISSN: 2394-4404	2014
8	Selection of Forwarding Area With Itrust Assortment	International Journal of Computer Networks and Wireless CommunicationsIJCNWC.	73-78	ISSN : 2250-3501	2014

9	A New Algorithm in Route Discovery Mechanism for Energy Optimization in Mobile ADHOC Network	International Journal of Computing Algorithm	959-963	ISSN: 2278-2397	2014
10	Energy Efficient Next Hop Selection Routing Protocol Using a Diplomat Path in Opportunistic Routing	International Journal of Computer Networks and Wireless Communication	515-518	ISSN: 2250-3501	2015
11	Concert in Location Waste Multihop Forwarding Through Position Based Routing Protocol	National Journal on Electronic Science andSystems	5-9	https://www.proquest.com/scholarly-journals/concert-location-based-multi-hop-forwarding/docview/1789512978/se-2	2015
12	An Analysis of Geographical Location Based Routing Protocol	Recent Advances in Computer Scinece	130-145	ISBN: 978-960-474-393-3	2015
13	NDEL Based Performance Analysis of Position Based Opportunistic Routing Protocols	Indian Journal of Scienceand Technology	1-7	ISSN: 0974-5645	2015
14	A Survey on Trust Based Secure AODV in Manet	International Journal on Research and Computer Application	40-45	ISSN: 2231-1009	2016
15	Performance Analysis of Dymo,Aodv and Tora in MANET	International Journal ofTrend In Research and Development	1-6	ISSN: 2394-9333	2016
16	A Novel Paradigm Selection Algorithm in Opportunistic Routing	International Journal on Intelligence ElectronicsSystems	1-6	ISSN: 2147-6799	2016
17	A Study on Generic Data and Data Mining	International Journal ofTrend In Research and Development	1-6	ISSN: 2394-9333	2017
18	Review on Data Classification Mechanisms Used In Cloud Computing	Journal of Emerging Technologies Innovative Research	247-252	ISSN- 2349-5162	2019
19	Overview of Edge computing with Software Defined Networks	International Journal of Computer Science and Engineering	154-157	ISSN 2347-2693	2019
20	Structural design and utilities of edge computing	Journal of Emerging Technologies and Innovative Research	300-304	ISSN 2349-5126	2019
21	Effectiveness of security in software defined networks	International Journal of Computer Science and Engineering	122-125	ISSN 2347-2693	2019
22	Operation and Maintenance of industry using RFID	Journal of Emerging Technologies Innovative Research	95-98	ISSN- 2349-5162	2019

23	E-Security Through RFID	International Journal of Computer Science and Engineering	75-78	ISSN 2347-2693	2019
24	Study On Urban Sprawl Pattern Recognition	Journal of Emerging Technologies Innovative Research	253-257	ISSN- 2349-5162	2019
25	Product Review Sentiment Analysis- A Survey	Journal of Emerging Technologies Innovative Research	94-101	ISSN- 2349-5162	2019
26	Finding Centre Of Gravity Of Yoga Asana Postures To Support Self – Assisted Yoga Practices	International journal of Recent Technology AndEngineering	706-711	ISSN 2277-3878	2019
27	Cryptography based Data Security and Retrieval for Decentralized Networks	Pragnavani -Journal of Research Aspirants	In Press	ISSN: 2249-6017	2019
28	A Survey on Edge Computing	Pragnavani- Journal of Research Aspirants	In Press	ISSN: 2249-6017	2019
29	Interpretation of Satellite Images	Pragnavani- Journal of Research Aspirants	In Press	ISSN: 2249-6017	2019
30	Analysis on Cloud Service Providers and their Salient Features	Pragnavani- Journal of Research Aspirants	In Press	ISSN: 2249-6017	2019
31	An Efficient Edge Server Deployment Technique in edge computing using graph theory	International Journal ofFuture generation of communication and networking	980-987	ISSN-2233-7857	2020
32	Sensing DDoS Attack in Edge Computing with Software Defined Networking using Entropy Method	International Journal of Mechanical and ProductionEngineering Research and Development (IJMPERD)	10957-10964	ISSN- 2249-8001	2020
33	Face Recognition and Detection Method with Image based Security Access Control System	International Journal ofFuture generation of communication and networking	2101-2106	ISSN-2233-7857	2020
34	Dual Shuffling Algorithm Incorporated with Blowfish (DS-BF) to Elevate Data Security in Cloud Storage.	International Journal of Advanced Science and Technology (IJAST).	3382 – 3390.	ISSN- 2207-6360.	2020
35	Data Classification and Encryption Skeleton to Upgrade Security in Cloud Storage.	International Journal of Advanced Research in Engineering and Technology (IJARET).	394-403	ISSN- 0976-6499.	2020
36	An Improved Reversible Data Hiding in Encrypted Images By Pre Encryption Room Reservation Policy.	International Journal ofFuture Generation Communication and Networking.	965-971	ISSN- 2283-7857	2020

37	A Survey on Digital Image Processing Roles in Medical Territories.	The International Journal of Analytical and Experimental Modal Analysis.	1253-1259	ISSN- 0886-9367	2020
38	Disease Gene Prediction Through Genome Analysis	Design Engineering(Torondo) - Scopus	5313-5318	ISSN- 0011-9342	2022
	Using Geographic Information System and Remote Sensing	Design Engineering(Torondo) - Scopus	5313-5318	ISSN- 0011-9342	2022
39	Systematization of Knowledge of Used Cryptographic Functions in Block chain	Design Engineering(Torondo) - Scopus	5313-5318	ISSN- 0011-9342	2022
40	A Study on the Role of Hyperledger Fabric Framework in Strengthening the Patient's E-data using Blockchain Technology	Design Engineering(Torondo) - Scopus	5313-5318	ISSN- 0011-9342	2022
41	A Comparative Analysis of Consensus Algorithms in the Healthcare Sector using Blockchain Technology	International journal of Health Sciences-Scopus	11702-11716	ISSN NO:2550-69708 EISSN NO:2550-69X Issue- 6 (s1)	2022
42	An Improved Data Hiding Approach On Colour images Using Difference Expansion Algorithm	International journal of Health Sciences-Scopus	11694-11701	ISSN NO:2550-69708 EISSN NO:2550-69X Issue- 6 (s1)	2022
43	Urban Sprawl Change Deduction	International journal of Health Sciences-Scopus	516-519.	ISSN NO:2550-69708 EISSN NO:2550-69X Issue- 6 (s1)	2022

CONFERENCES:

Date	Title of the Conference	Institution	Title of the Paper
21-01-14	International Conference on Advanced Computing	Sri Sarada College for Women,Tirunelveli-627011	A new Algorithm in AODV-LR Rooting ISBN:978-93-5107-246-1
28-02-14	National Conference on Recent Trends in Applied Mathematics	St.Josheph college of Atrs & Science, Cuddalore	A new Algorithm in Root Discovery Mechanism Energy Optimization
17-04-15	National Conference on Evolving role of libraries and librarianship	Sri Sarada College for Women,Tirunelveli-627002	Toward the Scientific Evaluation of music information retrieval system
24-07-15	International National conference on Soft computing in Applied science and Egineering	Noorul Islam University, Kumaakovil,Thakalay,Kanyaku mari-629190	Node density,energy and link stability based on performance analysis of position based opportunistic routing protocol

24-09-16	National Conference on Advance in Computer Science & Applications	Joseph Arts and Science College, Tirunavalur, Tamilnadu	Performance analysis of Dymo AODV & TORA ISSN No:2394-9333
01-09-17	International Conference on Intelligent Computing Techniques	Sarah Tucker College, Tirunelveli	A Study on Genetic Data and Data mining
21-12-18	International Conference onRecent Trend in Multi Disciplinary Research	APC Mahalakshmi College for Women, Thoothukudi	Review on Data Classification Mechanism Used in Cloud Computing
14-09-18	International Conference on Cyber Security & e-goverence	Kodaikanal Christian College,Kodaikanal	Cryptography based data security & retrieval for decentralized network
17-08-21	International Virtual Conference On "Scientific and Technological Convergence".	Sri Sarada College for Women (Autonomous) ,Tirunelveli-627011	A Comprehensive Study On Applications of Deep Learning In Cyber Security, ISBN NO 978-81-951315-4-9, PageNumber:73.
17-08-21	International Virtual Conference On "Scientific and Technological Convergence".	Sri Sarada College for Women (Autonomous) ,Tirunelveli-627011	Disease Gene Prediction Through Genome Analysis, ISBN NO :978-81-951315-4-9 Page Number: 107.
17-08-21	International Virtual Conference On "Scientific and Technological Convergence".	Sri Sarada College for Women (Autonomous) ,Tirunelveli-627011	Urban Sprawl Change Deduction Using Geographic Information System and Remote Sensing, ISBN NO:978-81-951315-4-9 , Page Number:108.
17-08-21	International Virtual Conference On "Scientific and Technological Convergence".	Sri Sarada College for Women (Autonomous) ,Tirunelveli-627011	An analysis On Big Data And It's Applications, ISBN NO : 978-81-951315-4-9 ,Page Number:120.
17-08-21	International Virtual Conference On "Scientific and Technological Convergence".	Sri Sarada College for Women (Autonomous) ,Tirunelveli-627011	Simulation Urban Sprawl Using ANN and CAmodels, ISBN NO:978-81-951315-4-9 , Page Number:108
11-02-22 & 12-02-22	A Two day InternationalConference on "Recent Trends in Computing and Information Technology".	Sarah Tucker College (Autonomous), Tirunelveli-627002	Modeling Techniques in Urban Sprawl,ISBN NO: 979-8-88525-143-3 ,Page Number:17.
11-02-22 & 12-02-22	A Two day InternationalConference on "Recent Trends in Computing and Information Technology".	Sarah Tucker College (Autonomous), Tirunelveli-627002	Machine Learning for Recognizing Human Facial Characteristics on Image rocessing, ISBN NO: 979-8-88525-143-3, Page Number:16.
11-02-22 & 12-02-22	A Two day InternationalConference on "Recent Trends in Computing and Information Technology".	Sarah Tucker College (Autonomous), Tirunelveli-627002	A Study on the Role of Hyperledger Fabric Frameworkin Strengthening the Patient's E-data using BlockchainTechnology, ISBN NO: 979-8-88525-143-3, Page Number: 27.
24-03-22 & 25-03-22	International Conferenceon "Advance Science in Engineering".	A.P.C.Mahalakshmi College for Women, Thoothukudi -628002	Land Use and Land Cover Change Deduction of Tirunelveli City Using GIS and RS, ISBN NO: 9789391553401, Page Number: 32.
24-03-22 & 25-03-22	International Conferenceon "Advance Science in Engineering".	A.P.C.Mahalakshmi College for Women, Thoothukudi -628002	An Improved Data Hiding Approach on Color Images using Difference Expansion Algorithm, ISBN No:9789391553401, Page Number:52
24-03-22 & 25-03-22	International Conferenceon "Advance Science in Engineering".	A.P.C.Mahalakshmi College for Women, Thoothukudi -628002	Predicting Mutated Gene Expression Using MachineLearning Algorithms,ISBN NO :9789391553401, Page Number:34
24-03-22 & 25-03-22	International Conferenceon "Advance Science in Engineering".	A.P.C.Mahalakshmi College for Women, Thoothukudi -628002	Role of Hyperledger Fabric Framework in BlockchainImproving Patient Electronic Data, ISBN NO: 9789391553401 ,Page Number:96

10-5-22 To 12-5-22	II nd International E-Conference on "Recent Developments in Science, Engineering and Information Technology"	Madurai Kamaraj University Madurai-625001	The patient clinical data privacy protection scheme based on Blockchain, ISBN NO: 978-93-9107-77-8, Page Number:53.
10-5-22 To 12-5-22	II nd International E-Conference on "Recent Developments in Science, Engineering and Information Technology"	Madurai Kamaraj University Madurai-625001	Identification of prominent gene using AI Technique ISBN NO: 978-93-9107-77-8, Page Number:51.
10-5-22 To 12-5-22	II nd International E-Conference on "Recent Developments in Science, Engineering and Information Technology"	Madurai Kamaraj University Madurai-625001	A survey on Simulation Techniques in Urban sprawl, ISBN NO: 978-93-9107-77-8. Page Number:47.

Edited Chapter in Books:

Book name: Glimpse of Engineering and technology in the
Modern world chapter 14: Block chain :
emerging trends in computer Science
publisher : pearl Foundation Bangalore
ISBN NO: 978-81-942052-7-2
DECEMBER 2020

Research Guidance Given
1. Ph.D Guidance   Currently 5 scholars are doing research
                            3 Scholars Awarded
2. Mphil Guidance   15

Papers Handled:

DBMS, Data Structures, System Analysis and Design, Design and Analysis of Algorithm, Operating System, Internet Programming and Tools, Software Documentation, Data Warehousing and Data Mining, Computer Graphics, Software Engineering, MIS, Professional Ethics, Green Computing, E-Commerce, Computer Networks.