CAUVERYCOLLEGE FOR WOMEN
(AUTONOMOUS)
STAFF PROFILE

PERSONAL INFORMATION

1. **Name**   :   **Dr. N.SIVAPRIYA**

2. **Date of Birth**   :   **1.8.1979**

3. **Address**   :

Residential	Office
25, 9th Cross Ganapathy Nagar T.V.Koil Trichy-620 005 E-Mail: nmsivapriya@gmail.com Mobile: 9489262172, 9488064795	Cauvery college for Women Annamalai Nagar Trichy-620 018

ACADEMIC INFORMATION

4. **Designation & Department :** Deputy Controller of Examinations &

   Associate Professor, Dept. of Computer Applications

5. **Educational Qualification :**

Degree	Year	College / University
Ph.D	2020	Bharathidasan University, Trichy
NET	2017	UGC
SET	2016	Mother Teresa Women's University, Kodaikanal
MA(App.Psy.)	2004	Annamalai University, Chidambaram
M.Phil(C.Sc)	2004	Bharathidasan University, Trichy
M.S(IT)	2001	Shrimathi Indira Gandhi College, Trichy
PGDBA	2000	Annamalai University, Chidambaram
B.Sc (C.Sc)	1999	Shrimathi Indira Gandhi College, Trichy

- Microsoft Certified Professional (MCP) for Microsoft .NET, 2006
- Microsoft Certified Application Developer (MCAD) for Microsoft .NET, 2006
- Diploma in ORACLE 8.0 with Dev.2000 & Visual Basic 5.0 from Brainware Infotech(P) Ltd., Trichy, August 1998

6. Experience :

Date of Joining	Institution	Year of Experience
27-06-2001	Cauvery College for Women	6 years
12-06-2013 to till date (as on 16-12-2024)	Cauvery College for Women	11 years 6 months

7. Areas of Specialization : Wireless Networks

8. Languages known : Tamil, English, Telugu

9. Subjects Taught :

UG	Database System , Data Structure & Algorithms , Management Information Systems , Operating System, Programming in C, Digital Electronics, PHP Scripting Language, JAVA Programming, ASP Programming, Computer Networks, Computer Organization and Architecture, Corel Draw, Internet of Things, Software Engineering
PG	Mobile Computing, Computer Oriented Numerical Methods, Digital Electronics, Management Information Systems
M.Phil	Research Methodology

10. Research Supervision:

	University from where guideship obtained	Thesis	
		Completed (in numbers)	Year of Completion
M.Phil	Bharathidasan University	3	2013-14
		2	2014-15
		2	2015-16
		1	2016-17
		1	2017-18

11. Details of Publications: Google Scholar h-index: 8 | i10 index: 8

Scopus index: 2

Journal Name & Volume	Year of Publication	ISSN Number	Name of the Paper	Impact Factor
International Research Journal of Multidisciplinary Technovation Vol. 6 Issue 6, pp. 104-127.	November 2024	ISSN: 2582 - 1040	Performance Evaluation of UFMC System using Neural Networks for BER Prediction and Efficiency Optimization	-
IEEE ICEPE 2024 - Proceedings of the 6th International Conference on Energy, Power and Environment.	September 2024	ISBN: 979-8-3503-7929-7.	Leveraging IoT for real-time air quality sensing and optimization in vehicle interiors using gradient boosting algorithm.	-
International Journal of Intelligent Systems and Applications in Engineering, 12(1), 733–745	December 2023	ISSN: 2147 - 6799	A QoS Perception Routing Protocol for MANETs Based on Machine Learning.	-
SSRG International Journal of Electrical and Electronics Engineering, vol. 10, no. 11, pp. 100-114,	November 2023	ISSN: 2348 - 8379/	Evaluation of PAPR, PSD, Spectral Efficiency, BER and SNR Performance of Multi-Carrier Modulation Schemes for 5G and Beyond	-

International Journal on Recent and Innovation Trends in Computing and Communication Volume: 11 Issue: 8, pp. 357 - 365	September 2023	ISSN: 2321- 8169	Dissection of Mobility Model Routing Protocols in MANET on QoS Criterion	5.098
Proceedings - 7th International Conference on Computing Methodologies and Communication, ICCMC 2023, pp. 1394–1398	July 2023	ISBN: 978-1-6654-6408-6	Development of Machine Learning Framework for the Protection of IoT Devices	-
Computer Integrated Manufacturing Systems, Vol. 28, No. 12, Pp. 1059-1065	November 2022	ISSN: 1006 - 5911	Optimal Route Selection For Mobile Ad- Hoc Networks Based On Cluster Head Selection And Energy Efficient	0.98
Computer Integrated Manufacturing Systems, Vol. 28, No. 11, Pp. 1023–1045	November 2022	ISSN: 1006 - 5911	Hybrid Cluster Formation in Wireless Sensor Networks Using Machine Learning Techniques	0.98
Telematique, Vol. 21, No. 1, Pp. 3544-3554	August 2022	ISSN: 1856 - 4194	Multi Constraint Multicasting Analysis with Fault Tolerance Routing Mechanism	-

Neuro Quantology, Vol. 20, No. 10, Pp. 837-846	August 2022	ISSN: 1303 - 5150	Comparative Analysis of various Algorithms for Optimization in MANET	0.285
NeuroQuantology, Vol. 20, No. 10, Pp. 847-854	August 2022	ISSN: 1303-5150	TSP implementation for MANET using NS2	0.285
Journal Of Algebraic Statistics, Vol. 13, No. 3, p. 2578-2589	July 2022	ISSN: 1309 - 3452	Analysis on Essential Challenges and Attacks on MANET Security Appraisal	0.06
Journal Of Algebraic Statistics, (Web of Science), Vol. 13, No. 2, 2022, p. 595-607	June 2022	ISSN: 1309 - 3452	Optimal Route Selection for Mobile Ad-hoc Networks based on Cluster Head Selection and Energy Efficient Multicast Routing Protocol	0.06
Recent Trends in Computing, Electronics and Mechanical Sciences	June 2020	ISBN: 978-81-941281-9-9	Internet of Things	-
International Journal of Scientific & Technology Research Vol.8	August 2019	2277-8616	Efficient Fuzzy based Multi-constraint Multicast Routing with Multi-criteria Enhanced Optimal Capacity-Delay Tradeoff	-

Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT), Springer, Vol. 44	January 2020	Online ISSN: 2367-4520, ISBN: 978-3-030-37051-0,	Efficient Fuzzy-Based Multi-constraint Multicasting with Fault Tolerance Routing Mechanism	0.52
International Journal of Advanced Science & Technology (IJAST), vol.28	December 2019	2005 - 4238,	A framework for Fuzzy-based Fault Tolerant Routing mechanism with Capacity Delay Tradeoff in MANET	0.76
International Journal of Research and Analytical Reviews, Vol. 6	2019	2348 - 1269	Multi-criteria Node rank based Time Limited Neighbor Detection for Enhanced optimal Capacity –Delay Tradeoff in MANETs	3.215
International Journal of Management, IT and Engineering , Vol.9	2019	2249 - 0558	A Survey On Handover Mechanism in Mobile Ad Hoc Networks	7.119
International Journal of Computer Sciences and Engineering, Vol.6	2018	2347 - 2693	Enhanced Optimal CDT with Appropriate Contention Count based on CNM in MANET	3.022
International Journal of Pure and Applied Mathematics (Scopus Indexed) , Vol.119	2018	1314 - 3395	QoS Routing Protocols in MANET : A Survey	7.19

International Journal of Pure and Applied Mathematics (Scopus Indexed) , Vol.119	2018	1314 - 3395	An Optimal Capacity Delay Trade off with Appropriate Contention Count based on Correlation of Node Mobility in MANET	7.19

12. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
12.12.2024	Shree Venkateshwara Hi-Tech Engineering College, Gobichettipalayam, Erode	4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2024)	Detection and Evaluation of cyber security threats in MANET based on AI
13.12.2024	Shree Venkateshwara Hi-Tech Engineering College, Gobichettipalayam, Erode	4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2024)	Detection and Mitigation of Attacks in MANETS: A Comprehensive Survey of Security Techniques
10.06.2022 & 11.06.2022	Vignan's Foundation for Science, Technology and Research(Deemed to be University), Vadlamudi, Andhra Pradesh	Two Day International Conference on Mathematics, Statistics and Applications	Optimal Route Selection for Mobile Ad-hoc Networks based on Cluster Head Selection and Energy Efficient Multicast Routing Protocol
25.03.2022	JJ College of Engineering and Technology, Trichy	International Conference on Emerging trends in communication, VLSI and Signal Processing	Study and Analysis on MANET Routing Protocols

16.10.2020 & 17.10.2020	Chennai Institute of Technology, Chennai	International Conference on Recent Developments in Robotics, Embedded and Internet of Things	An Optimal Capacity Delay Trade off with Appropriate Contention Count based on Correlation of Node Mobility in MANET
18.07.2020 & 19.07.2020	Sri Venkateswara University, Tirupathi	International Conference on Recent trends in Machine Learning and Data Analytics (ICMLDA-2020)	Fault Tolerance mechanism for a reliable mobile adhoc networks
13.12.2019 & 14.12.2019	Erode Arts and Science College, Erode	UGC Sponsored International Conference on Recent trends in Advanced Computing (ICRTAC-2019	A Framework for Fuzzy-based Fault Tolerant Routing Mechanism with Capacity Delay Trade off in MANET
23.05.2019 & 24.05.2019	RVS Technical Campus, Coimbatore	International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT – 2019)	Efficient Fuzzy-Based Multi-constraint Multicasting with Fault Tolerance Routing Mechanism
10.01.2019 & 11.01.2019	Karpagam College of Engineering, Coimbatore	Intelligent Systems and Controls(ISCO-19)	Multi-criteria Node Rank Based Time Limited Neighbor Detection for Enhanced Optimal Capacity-Delay Tradeoff in MANETs

07.01.2019 & 08.01.2019	Bishop Heber College, Trichy	Heber International Conference on Applications of Actuarial science, Mathematics, Management and Computer Science (HICAAMMC-19)	A Survey On Handover Mechanism in Mobile Ad Hoc Networks
20.04.2018	Dr. Mahalingam College of Engineering and Technology, Pollachi	Recent Trends in Communication and Instrumentation Systems (NCCIS'18)	A survey on Capacity Delay Tradeoff for WoS in MANET
07.04.2018	K.S.R. College of Engineering, Tiruchengode	Recent Trends in Information, Communication and Computing Technologies	The HD Video Streaming over Multipath security in MANET
21.3.2018 & 22.3.2018	Alagappa Univeristy, Karaikudi	Information, Communication & Digital Security	An overview on QoS Routing Protocols in MANET
1.9.2006	Dhanalakshmi Srinivasan College, Peramabular	Future Trends in IT	Wireless applications using WML-MIME for WAP today and tomorrow
28.10.2004	Yadava College, Madurai	Recent Trends in Digital Image Processing and its applications – DIPA-04	Computer Vision on 3D Spatial Data Scheduling of RMA and DMA in Real Time Systems
18.3.2004 & 19.3.2004	Gandhigram Deemed University	Recent Trends in Computational mathematics	The RSA Algorithm - A Mathematical Approach to Cryptosystems
11.2.2004 & 12.2.2004	Seethalakshmi Ramasamy College, Trichy	Cyber Impact on Society	The impact of Home Computer use on Children's Physical and Psychic Well-being

4.1.2004	Organised by Indian Professors.com	The role of Research and Publications in Higher Studies	Innovative Teaching Methodology using Psychological Assessment

13. Details of Seminars / Conferences / Workshops Attended:

Date	Organizer	Title	National / International
03.08.2023	Central University of Tamilnadu(CUTN), Thiruvarur	Digilocker, National Academic Depository (NAD) & Academic Bank of Credits (ABC)	State Level Workshop
10.7.2023 to 15.07.2023	KG College of Arts and Science, Coimbatore	Recent Trends on Research Methodologies	International Level Faculty Development Programme
18.01.2021 and 19.01.2021	Institute for Academic Excellence, Hyderabad and Collegiate Education & Technical Education Department, Govt. of Telangana	NIRF India Rankings-2021 for higher education	National level Workshop
13.07.2020 to 18.07.2020	Balaji Institute of Technology, Warangal	Recent Trends in electronics and Communication	National level Faculty Development Programme
17.02.2020 and 18.02.2020	Cauvery college for Women(A), Trichy	NAAC Revised Accreditation Framework	-
18.07.2019 to 19.07.2019	University Grants Commission, South Eastern Regional Office(SERO), Hyderabad	Evaluation Reforms in Higher Education	-

29.05.2019 to 03.06.2019	National Institute of Technology (NIT), Warangal	5G Wireless Communication	National level Faculty Development Programme
07.01.2019 to 11.01.2019	Aalim Muhammed Salegh College of Engineering	Reference Management & knowledge organization for journal writing	Web Seminar
20.12.2018	Cauvery college for Women	Microsoft OneNote	Workshop
01.11.2018 to 05.11.2018	Aalim Muhammed Salegh College of Engineering	Research Paper writing on using Journaling tools	Web Seminar
24.08.2018	Department of Library and Information Science, Bharathidasan University	Research Intelligence and Scholarly Publishing	National Workshop
07.04.2018	K.S.R. College of Engineering	Recent Trends in Information, Communication and Computing Technologies	National Conference
20.04.2018	Dr. Mahalingam College of Engineering and Technology,	Recent Trends in Communication and Instrumentation Systems (NCCIS'18)	National Conference
1.3.2018	Bharathidasan University	Cyber Security and Ethical Hacking	International conference
15.11.2017	Bharathidasan University	World class curriculum Design for Computer Science with Research Aspects	International workshop

14. Details of Seminars / Conferences / Workshops Organized:

Date	Title	National / International	Topic
29.10.2018 to 02.11.2018	Capacity Building Programme	Cauvery College for Women, Trichy	e-Content Development

15. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
30.03.2019	Student Assessment and Evaluation	SWAYAM ARPIT ONLINE COURSE
22.02.2022 to 28.02.2022	UGC-Sponsored Online Short Term Course in Outcome Based Education And Learning Outcome-based Curriculum Framework	UGC-HRDC Development Centre, Bharathidasan University

16. Details of Study Materials / Books written and published:

Book Name	Chapter Title	Publisher	ISBN Number	Month & Year
Recent Developments in Computing, Electronics and Mechanical Sciences	Internet of Things	ANVI Books & Publishers, Delhi	978-81-941281-9-9	June 2020

17. Details of Chairing as Resource Person:

Date	Title of the Seminar/Conference & Session Chaired
29.1.2024	Faculty Development Programme on **Academic Bank of Credits with National Academic Depository**and Training Programme and Hands on Session to **COE CELL staff members** organized by Controller of Examinations Cell, **Nehru Memorial College(Autonomous), Puthanampatti, Trichy**
18.8.2023	Resource Person for Capacity Building Program on **ABC ID Creation - Anytime Anywhere Learning** organized by Office of the Controller of Examinations and IQAC, **Cauvery College for Women (Autonomous), Trichy**

20.03.2023	Resource Person for Capacity Building Program on **ABC ID Creation - An initiative for Students towards National Academic Depository** organized by IQAC, **Cauvery College for Women (Autonomous), Trichy**
30.08.2022	Resource Person for **NTA - NET Coaching for Paper - I** organized by **Placement Cell, Jamal Mohamed College(Autonomous)**, Trichy
20.12.2021	Resource Person for Tech Winners Association Inaugural Function and a talk on **Deep Learning** organized by **Sri Bharathi Arts & Science College for Women, Pudukottai**
22.02.2021 to 19.04.2021	Academic Consultant for **CSIR NET coaching classes** organized by **Nehru Memorial College(Autonomous), Puthanampatti, Trichy**
21.08.2021, 28.08.2021, 04.09.2021 & 18.09.2021	Training programme for **UGC - NET/SET Examination** organized by Centre for Technology Enhanced Learning (CTEL), **Ayya Nadar Janaki Ammal College, Sivakasi**
21.03.2021 & 27.03.2021	Training programme for **NET/SET Examination** organized by Centre for Technology Enhanced Learning (CTEL), **Ayya Nadar Janaki Ammal College, Sivakasi**
03.05.2020	WEBTALK SERIES - A webinar on Strategies to crack Net, Balaji Institute of Technology, Warangal
27.02.2020	Training Programme **NET/SET Examinations at Cauvery College for Women (Autonomous), Trichy**
28.11.2019 & 03.12.2019	Training cum Guidance Programme on **UGC-NET Examination at Valluvar College of Science and Management, Karur**
24.08.2019	Faculty Development Programme on **UGC-NET, TN-SET at Nehru Memorial College(Autonomous), Puthanampatti, Trichy**
15.08.2019	**72nd Independence Day celebrations** at **HEED INDIA, Kangaroo Karunai Illam, Trichy**
17.02.2018 and 23.02.2018	Faculty Development Programme on **UGC-NET, TN-SET at Bharathiyar Arts and Science College for Women, Thalaivasal**

18.08.2017, 04.10.2017, 05.10.2017 & 06.10.2017	Faculty Development Programme on **UGC-NET, TN-SET at Cauvery College for Women, Trichy**

18. Administrative Positions held in the College:

Nature of Position	Year
Deputy Controller of Examinations	2019-2020 onwards
Nodal Officer, Digilocker NAD & ABC	2023 onwards
Member Secretary, Finance Committee	2022-2023 onwards

19. Details of Incharge / Participation in Extracurricular Activities:

(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):

Nature of Activity	Period of Incharge
Certificate course incharge	2016-2017 and 2017-2018
Assistant Sports incharge	2018-2019

20. Details of Membership in Academic Bodies/ Board of Studies:

Acted as **Academic Auditor** for BCA to **E.M.G.Yadava Women's College, Madurai**

21. Any other information if any:

E-content Development: Title - MANET

Reviewer for **Springer Journals:**

- Control and Cybernetics – Springer
- Wireless Personal Communications – Springer
- Applied Artificial Intelligence – Springer
- Cogent Engineering – Springer
- Journal of Supercomputing – Springer

Reviewer for **Indian Journal of Science and Technology**

Received **Best Paper Award in International Conference on Machine Learning and Data Analytics** organized by **Department of Computer Science, Sri Venkateswara University, Tirupathi for the title "Fault Tolerance Mechanism for a Reliable Mobile Adhoc Networks" on July 18-19, 2020**