

**CAUVERY COLLEGE FOR WOMEN
(AUTONOMOUS)
STAFF PROFILE**

PERSONAL INFORMATION

1. Name : Dr. A. BHUVANESWARI

2. Date of Birth : 10.05.1976

3. Address :

Residential	Office
B-601, Trichy Towers, Salai Road, Trichy – 18. E-Mail: bhuvanaphd2011@gmail.com Mobile: 97150 89903	Cauvery College for Women, Annamalai Nagar. Trichy – 18 Phone: 0431 - 2751232

ACADEMIC INFORMATION

4. Designation & Department : Associate Professor, Information Technology

5. Educational Qualification:

Degree	Year	College/University
B.Sc.(C.Sc)	1997	Cauvery College for Women
M.Sc.(C.Sc)	2002	Holy Cross College
M.Phil	2005	Bharathidasan University
Ph.D	2015	Bharathidasan University

6. Researcher ID:

NAME	GOOGLE SCHOLAR ID	SCOPUS ID	WEB OF SCIENCE RESEARCHER ID	ORCID ID	VIDWAN ID	MENDELEY	PUBLONS
Dr.Bhuvanewari.A	UifHVMEAAAAJ	57216394075	AAJ-3751-2021	0000-0003-3885-9622	174948		publons.com/researcher/4334775/bhuvanewari-a/

7. Experience :

Date of Joining	Institution	Year of Experience
05.07.2002	Cauvery College for Women	22 Years

8. Areas of Specialization: Computer Networks, Mobile Communication, Internet of Things**9. Languages known :** Tamil, English**10. Subjects Taught :**

UG	Fortran & COBOL Programming, Data Structures & Algorithms, Pascal & C Programming, Digital Electronics, LAN, Internet & JAVA Programming, Relational Database, Software Engineering, Computer Applications in Business, Data Communication and Networks, E-Commerce, Visual Programming, Data Communication Concept, PHP & Scripting Language, Value Education, Introduction To Information Technology, Office Management Tools, Computer Organization and Architecture, Data Structure, Information Security and Cyber Laws, Mobile Application Development
PG	Data Structures & Algorithms, Digital Electronics, Computer Applications in Business, Programming in C, Communication Networks, Java Programming, Principles of IT, Microprocessor and its Applications, Software Testing, Mobile Computing, Programming in Java, Programming the Web, Web Technologies, Mobile Communication, Internet of Things
M.Phil	Teaching and Learning Skills, Internet of Things

11. Research Supervision:

	University from where guideship obtained	Thesis		
		Completed (in numbers)	Year of Completion	Pursuing (in numbers)
M.Phil	Bharathidasan University	01	2009	
		03	2010	
		03	2011	
		03	2012	
		03	2013	
		03	2014	
		02	2015	
		02	2016	
		01	2017	
		02	2018	
		01	2020	
Ph.D	Bharathidasan University	02	2021	02
		02	2023	

12.a) Details of Publications:

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Journal of Global Research in Computer Science	July 2011	2229-371X	Survey on Handoff Techniques	
International Journal of Computer Network and Information Security	August 2012	DOI:10.5815	An Overview of vertical Handoff Decision making Algorithm	0.726
International Journal of Computer Applications	July 2012	0975-8887	A Cross layer based Vertical Handoff Decision making framework	
International Journal of Computer Science and Network Solutions – IJCSNS, IRAN.	March 2014	2345-3397	Statistical Analysis to improve processing time in traffic sensitive vertical handoff reduction algorithm -TSVHORA	0.675
International Journal of Advanced Studies in Computer Science and Engineering, USA.	March 2014	2278-7917	Ant Colony Optimization based Multi Criteria Decision Making for Efficient Signal Selection in Mobile Vertical Handoff	0.565
International Journal of Computer Science and Mobile Applications	October 2014	2321-8363	Enhanced Vertical Handoff using Hybrid Parallelized ACS-3 Opt Local Search	
International Journal of Engineering and Computer Science	October 2014	2319-7242	A Framework for Handoff Decision Making and Signal Selection Algorithms for Heterogeneous Networks	0.564
International Journal of Advanced Research in Computer Science	October 2014	0976-5697	Performance Analysis on Traffic Sensitive Vertical Handoff Algorithms – TSVHOA	2.315
International Journal of Applied Engineering Research(IJAER) SCOPUS INDEXED	Dec 2015	0978-4562	Augument the Security in MANET using QoS – DHT – A Novel Key Sharing Protocol	1.823

International Journal of Science Technology and Engineering	June 2016	2349 – 784X	Location Based Authentication and Efficient Query Processing	3.905
International Journal of Advanced Engineering and Global Technology	Aug 2016	2309 – 4893	A Survey on Multi –Party Privacy Conflicts in Online Social Networks	
International Journal of Modern Communication Technologies & Research (IJMCTR)	Nov 2016	2322-0850	Congestion Based Vertical Handoff Decision using TSCBVHO Algorithm	2.47
International Journal of Advanced Research in Computer Science (IJARCS) [UGC Approved Journal]	Feb,2017	0976-5697	A Survey on Internet of Things [IoT]	2.315
International Journal of Computer Science and Engineering	June,2017	0975-3397	Traffic Sensitive based Load Balanced Vertical Handoff Decision Algorithm	
International Journal of Scientific Research in Computer Science, Engineering and Information Technology	Oct,2017	2456-3307	Dual Access Cache Memory Management Recommendation Model Based on User Reviews	
International Journal of Computer Science and Engineering	Sep 2018	2347-2693	An Ethical Survey on Non Delay Tolerant Routing Protocols for VANET	3.022
International Journal of Computer Trends and Technology (IJCTT)	Nov 2018	2349-0829	IoT Based Wireless Sensor Networks – A Survey	2.75
International Journal of Computer Science and Engineering	Sep 2018	2347-2693	A Review on Cluster based Routing Protocols in Vehicular Adhoc Networks	3.022
International Journal of Scientific Research in Computer Science Applications and Management Studies	Jan 2019	2319-1953	A Survey of Hierarchical Based Routing Protocols for IoT Wireless Sensor Networks	

International Journal of Innovative Technology and Exploring Engineering (SCOPUS INDEXD, UGC Care Listed)	Sep 2019	2278-3075	Margin Boost Clustering based Multivariate Dolphin Swarm Optimization for Routing and Reliable Data Dissemination in VANET	5.54
International Journal of Innovative Technology and Exploring Engineering (SCOPUS INDEXD, UGC Care Listed)	Oct 2019	2278-3075	Lightweight Security Algorithm on PMIPv6 Protocol for IoT Based Wireless Sensor Networks	5.54
International Journal of Scientific & Technology Research (SCOPUS INDEXD, UGC Care Listed)	Nov 2019	2277-8616	Bagging Ensemble X-Means Clustering Based Multicriteria Whale Optimized Data Dissemination in Vanet	7.4
International Journal of Recent Technology and Engineering (IJRTE) (SCOPUS INDEXD, UGC Care Listed)	Jan 2020	2277-3878	Lecr: Less Energy Consumption Routing in Internet of Things	5.92
International Journal of Scientific & Technology Research	Feb 2020	2277-8616	Probit Based Grey Wolf Optimal Route Path Discovery In Internet Of Vehicles	
INFOCOMP Journal of Computer Science (UGC CARE LIST)	December 2020	E-ISSN: 1982-3363 Volume-19, Issue-02, Pg. No 163-174	Concept Drift in Data Stream Classification using Ensemble Methods: Types, Methods and Challenges	
Solid State Technology (SCOPUS INDEXED)	December 2020	ISSN: 0038-111X Volume-63, Issue-04, Pg. No 8024-8037,	Linear Stochastic Feature Embedding based Regressive MIL Boost Data Classification for Streaming Data	
Sambothi	March 2021	Vol. 44, No. 01, ISSN: 2249-6661	An Ontological Survey on IoT Security Protocols	
International Journal of Computer	March 2021	ISSN: 0974-9322(O	Quantile Regressive Fish Swarm Optimized Deep	

Networks & Communications (IJCNC) (SCOPUS INDEXED)		nline)0975-293 (Print) Volume-13, No-02, Pg. No 81-97	Convolutional Neural Learning for Reliable Data Transmission in IoV	
Journal of the Maharaja Sayajirao University of Baroda (UGC Care List)	March 2021	ISSN: 0025-0422, Volume-55, No-1(V), Pg. No 190-197	Internet of Vehicles – Routing and Mobility Models	
Turkish Journal of Computer and Mathematics Education	May 2021	ISSN:1309-4653, Volume -12, Issue:12 Page:3069-3086	Deep Learned Ruzicka Similaritive Spectral Clustered Oppositional Dragonfly Optimized Routing In VANET	0.33
International Journal of Advanced Computer Science and Applications (IJACSA)- SCOPUS & WEB OF SCIENCE	Nov-2021	2156-5570, Vol.12, Issue.11, pp.196-203	Mutual Informative Brown Clustering based Multiattribute Cockroach Swarm Optimization for Reliable Data Dissemination in VANET	1.092
International Journal of Computing (IJC)(Scopus)	Dec-2021	ISSN 1727-6209, vol.20(4), Pp 567-574	Trilateral Location based Maximum Weighted Directive Spanning Tree for Optimal Routing in IoV	1.8
Proceedings of the 2nd International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications. Lecture Notes in Networks and Systems (Springer)(Scopus Indexed)	January 2022	Vol. 237, pp.295-308 ISBN: 978-981-16-6406-9	An Adaptive Statistical Stochastic Deep Gradient Learning for Handling Recurring and Incremental Drifts	
Indian Journal of Science and Technology (IJST) (WEB OF SCIENCE)	December 2023	ISSN(Print): 2394-5443 ISSN(Online 2394-7454, Vol. 16, Issue 48, Page No: 4631-4637	A Framework to Detect and Classify Time-based Concept Drift	

12. b) CHAPTER PUBLICATION

S.No	Title of the Book	Name of the Publisher	Chapter Title	Chapter No	Pg. No	Year	ISSN/ ISBN
1.	Digital Connectivity- Social Impact part of the series Communications in Computer and Information Science	Springer Nature , Singapore Pte Ltd 2018	A Reactive Protocol for Data Communication in MANET	17	208-222	Dec 2016	978-981-10-3273-8
2.	Sustainable Communication Networks and Application	Springer Publications	Identical Destination Based community in Internet of Vehicles (IDCIoV) for Optimal Path Identification			Jan 2020	
3.	Proceedings of the 2nd International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications.	Lecture Notes in Networks and Systems (Springer) (Scopus Indexed)	An Adaptive Statistical Stochastic Deep Gradient Learning for Handling Recurring and Incremental Drifts	237	295-308	Jan 2022	978-981-16-6406-9

13. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
12 th – 13 th Feb '04	Seethalakshmi Ramaswamy College UGC Sponsored (National)	Cyber Impact on Society	Impact of e-banking on Society
18 th – 19 th March '04	Gandhigram Rural Institute, Deemed University	NCRTCM –2004 Recent trends in computational Mathematics	The Science of Cryptography
28 th – 29 th Oct '04	Yadava College Madurai	DIPA '04	Region based Image Segmentation – Splitting and Merging Algorithms
1 st Sep 2006	Dhanalakshmi Srinivasan College of	Flash 2k6 Future scenario of IT	Image enhancement using a contrast

	Arts and Science for women		measure in the DCT Domain
19 th Dec 2012	BS Abdur Rahman University Chennai	ICSEMA '12	TSVHOA- Traffic Sensitive Vertical Handoff Algorithm for BEST quality Network Technology
20,21 st September 2013 (302-308)	Fifth International Conference on Advances in Recent Technologies in Communication and Computing, Bangaloru.	ARTCOM '13	QoS Aware Handoff Reduction Algorithm using Traffic Sensitive Vertical Handoff Reduction Algorithm – TSVHORA (ELSEVIER Proceedings)
29th & 30th May 2021	Sri Krishna Arts and Science College, Coimbatore	2nd International Conference on New Achievements in Multidisciplinary Research (ICNAMR – 2021)	Mutual Informative Brown Agglomerative Clustering Based Multiattribute Cockroach swarm Optimization for Reliable Data Dissemination in VANET

14. Details of Seminars / Conferences / Workshops Attended:

Year & Date	Organizer	Title	National / International
10 th – 12 th June '08	Centre for Distance Education, Bharathidasan University.	Workshop on Development of E-Content	UGC sponsored
20 th - 21 st Feb '09	Holy Cross College	Conference on Advanced Computing and Communication Technologies	National
7 th -9 th Aug '09	Cauvery College	International Conference on Advanced Computing	International
28 th & 29 th Jan '11	Bishop Heber College	National Workshop on Research Tools in Computer Science	National
29-30, Sep 2011	Cauvery College for Women	Research Issues in Cloud Computing	National
4 th Mar '12	Cauvery College,	Workshop on MATLAB	State Level

	Department of Mathematics		
14,July 2012	VIT	Network Simulator-Qualnet	State Level
08,Dec 2012	St. Joseph's College	Workshop on Smart Devices Programming using Android	State Level
15,Nov 2017	Bharathidasan University, Kajamalai Campus	Workshop on "World Class Curriculum Design for Computer Science with Research Aspect	International
24,Aug2018	Bharathidasan University,	Research Intelligence and Scholarly Publishing	National
29.10.2018 to 02.11.2018	Cauvery College for Women	Capacity Building Workshop on e-Content Development	
26.09.2019 27.09.2019	Cauvery College for Women(Autonomous)	Intellectual Property Rights (Patent Information centre Tamil Nadu Council for Science and Technology Govt. of Tamil Nadu)	State Level
17.02.2020 18.02.2020	Cauvery College for Women(Autonomous)	NAAC Revised Accreditation Framework	UGC – PARAMASH
27.03.2021 & 28.03.2021	CMR Institute of Technology, Hyderabad, India	International Conference on Recent Trends in Machine Learning, IoT, Smart Cities & Applications – ICMISC 2021	International
01.06.2020 to 07.06.2020	Ground Breaking Technologies-FDP	Panimalar Institute of Technologies, Chennai	International
02.06.2020	Power of Python	Cauvery College for Women	International
11.06.2020	Big Data! Big Opportunities!	Cauvery College for Women	International
11.06.2020	Online Content Creation Tools	Bishop Heber College, Trichy	National
12.06.2020	Accelerate Your Networking Skills Using CISCO Packet Tracer	Cauvery College for Women	National
15.06.2020 to 17.06.2020	Embracing Digital Education(Work shop)	St.Joseph's College (Autonomous), Trichy	National

13.07.2020 to 18.07.2020	Recent Trends in Electronics and Communication-FDP	Balaji Institute of Technologies & Science, Warangal, Telangana.	National
21.07.2020 to 25.07.2020	Applied IoT with Node MCU, Raspberry Pi & Cloud Configuration	Hyderabad Institute of Technology & Management, Hyderabad.	National
12.10.2020 to 17.10.2020	Supervised and Unsupervised Machine Learning using Google Cloud (AICTE Approved STTP)	R.M.K College of Engineering and Technology, Thiruvallur	National
27.03.2021 & 28.03.2021	International Conference on Recent Trends in Machine Learning, IoT, Smart Cities & Applications – ICMISC 2021	CMR Institute of Technology, Hyderabad, India	International
22.01.2022	Technologies for the New Era	Department of Information Technology, Cauvery College for Women, Trichy	International
27.01.2022 & 28.01.2022	Outcome based Education	IQAC & Controller of Examination, Cauvery College for Women, Trichy	College Level
26.03.2022 & 27.03.2022	Leveraging the Technology for Higher Education	Kristu Jayanti College (Autonomous), Bengaluru	National
12.08.2022 & 13.08.2022	In Pursuit of Manoeuvre Quality Assessment, Enhancement in HEIs: New Framework of NAAC	Marudhar Kesari Jain College for Women, Marudhar Nagar, Chinnakallupalli, Vaniyambadi	National
09.01.2023 & 13.01.2023	Faculty Development Program on Application of IOT in Industrial Sectors	Institution's Innovation Council and Cauvery College for Women (Autonomous), Trichy	College Level
28.01.2023	NPTEL WORKSHOP	ICeSR Auditorium, IIT Madras	South Zone
10.02.2023 to 10.03.2023	30 Hours Certificate Online Course on "Research and Publication Ethics"(PMMMNTT)	Bishop Moore College, Kerala. St. John's College, Agra, Catholicate College, Pathanamthitta, Cauvery College for Women, Trichy	National Level

14-10-2023 & 15-10-2023	NPTEL Plus & E-learn Team, Chennai	International	Two days Virtual Workshop on “Design Thinking: Developing Insights, Framing & Reframing the Problem, Mapping the Context”
09.01.2024 to 10.01.2024	Bishop Heber College (A), Trichy	International	Two-day International Conference on Artificial Intelligence - Adoption and Application in Business
9th October 2023	Prof. Pankaj Jalote, Distinguished Professor, IIT Delhi	National	Effective Teaching
18.09.2023 - 22.09.2023	Karunya Deemed University. Coimbatore	National	Emerging Trends in Data Analytics and Machine Learning
16.10.2023 20-10-2023	ICT ACADEMY	National	Programming Essentials in Python

15. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
1 th – 24 th Nov ‘04	Orientation Course on Value Education	Academic Staff College, Kajamalai Campus
2 nd – 21 st Nov ‘08	Refresher Course on Computer Science	Academic Staff College Kajamalai Campus
Nov-Feb 2019	Student Assessment and Evaluation	SWAYAM ARPIT Online Certification Course
July 2018 – Oct 2018	Introduction to Internet of Things	SWAYAM NPTEL Online Certification Course
Jan 2019 – April 2019	Joy of Computing using Python	SWAYAM NPTEL Online Certification Course

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

S. No	Nature of Position	Institution Name	Period
1.	Lesson Writer-C++	Centre for Distance Education Bharathidasan University	Nov 2007 – Jan 2008

17. Administrative Positions held in the College:

Nature of Position	Year
Library In-charge	2007- 2013
Club In-charge	2012-2013 2019-2020
Criterion III Incharge	2019 to till date

18. Details of In-Charge / Membership in Committees for Autonomous:

- Acting as a Single Point of Contact for SWAYAM-NPTEL from 2019 onwards
- Acting as a member in Student Welfare Committee from 2019 onwards
- Acting as a member in Research Committee from 2019 onwards
- Acting as a Nodal Officer for AISHE from 2020 onwards

19. Details of in charge / Participation in Extracurricular Activities:**(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):**

Nature of Activity	Period of Incharge
Sport In-charge	2009-2010, 2023-2024
Fine Arts In-charge	2011-2012, 2022-2023

20. Details of Participation in Consultancy, Training, Development etc..:

Date	Organizer	Name of the Workshop	Name the e-Module
29.10.2018 -02.11.2018	Cauvery College for Women	Capacity Building Workshop on e-Content Development	1. Internet of Things 2. Basics of Logic Gates 3. Logic Gates - Universal and other Gates

21. Details of Membership in Academic Bodies/ Board of Studies and Reviewer Details:

S. No	Nature of Position	Institution Name	Period
1.	Lesson Writer	Centre for Distance Education Bharathidasan University	Nov 2007 – Jan 2008
2.	Question Paper Scrutinizing Member	Bharathiyar University, Coimbatore	
3.	Question Paper Scrutinizing Member	Srimad Andavan Arts and Science College, Sri Rangam	October 2017

4.	Translator & Reviewer	Programming, Datastructures and Algorithms using Python' in 'Tamil' for NPTEL TEXT TRANSLATION, IIT Madras	Jan – May 2020
5.	Reviewer	St.Joseph's College of Arts and Science, Hosur	Jan 2020
6.	Reviewer	International Conference on Machine Learning and Data Analytics ICMLDA 2020, Sri Venkateswara University, Tirupathi	July 2020
7.	Reviewer	International Journal of Computer Networks & Communication	Oct 2020-Dec2020
8.	Reviewer	Reviewer for 3 rd Symposium on Information Technology and Applied Mathematics – SITAM, OMAN.	24th May 2022 (Online)
9.	Chairperson and Scrutiny Member	Pondicherry University	May 2022.
10.	Panel Member	3rd Student IT Research Exposition (SITREX), Information Technology Department of UTAS, Shinas, Oman	06th December 2022
11.	Board of Studies	Computer Science, Takshashila University, Tindivanam from 2023-2024	2023-2024 onwards

22. Details of Membership of Professional Bodies:

S. No	Nature of Position	Institution Name	Period
1.	Reviewer/Editorial Board Member	SSRG-International Journal of Mobile Computing and Application	2016 to till date
2.	Member	ISSE – Indian Society of Systems for Science and Engineering	Lifetime
3.	Member in Technical Advisory Board	International Conference on Prominent Challenges in Information Technology – ICPCIT20 St. Joseph's College of Arts and Science for Women, Hosur, Krishnagiri	24 th January 2020

23. Country visited:

24. Any other information if any:

Patent Filled:

- Title of Invention: Automated Transmission of EV in Densely Populated Regions Using Internet of Things,10/12/2021.

- Received Active SPOC Certificate from NPTEL-IIT Madras for the Semester June – Dec 2019
- Received Active SPOC Certificate from NPTEL-IIT Madras for the Semester June – Dec 2020
- Acted as an Institution Representative for NPTEL Exam in October 2021 and March 2022
- Received Certificate of appreciation for the role as SPOC and instrumental to the college to get ‘A’ grade for the SWAYAM-NPTEL Local Chapter for Jan-April 2022.
- Acted as an Institution Representative for NPTEL Exam in June 2022 and Dec 2022
- Received Certificate of appreciation for the role as SPOC and instrumental to the college to get ‘A’ grade for the SWAYAM-NPTEL Local Chapter for July-Dec 2022.

S. No	Nature of Position	Institution Name	Topic / Competition / Function	Date
1.	Chief Guest	TIMES KIDS	Children’s Day	04.11.2012
2.	Resource Person	Thanthai Hans Roever College	Android Application Development	20.09.2017
3.	Interview Programme	All India Radio, Tiruchippalli	Pengalukku Andrada Vazhvil Kaniniyin Payangal	22.08.2018
4.	Resource Person	Thanthai Hans Roever College	Awareness and Impact of Online Courses	12.02.2020
5.	Resource Person	Aiman College of Arts and Science for Women, Trichy	Role of SPoC	29.10.2021
6.	Resource Person	Enathi Rajappa Arts and Science College Mentee Institution	Orientation on NAAC Criterion	

Lockdown Activities from March 2020 to May 2021		
	Name of the Activities	Number of Activities
i	FDP	11
ii	Webinar	18

iii	Workshop	2
iv	Training program	2