

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

**PERSONAL INFORMATION**

- 1. Name** : Dr. P. Muthulakshmi  
**2. Date of Birth** : 10.05.1985  
**3. Address** :

Residential	Office
Plot No: 93, 4 <sup>th</sup> Cross, Sri Gowri Nagar, Piratiyur, Trichy- 620009.	Cauvery College for Women(Autonomous), Annamalai Nagar, Trichy-18.

**ACADEMIC INFORMATION**

- 4. Designation & Department:** Associate Professor,  
PG & Research Department of Computer Science

**5. Educational Qualification:**

Degree	Year	College/University
B.Sc (Physics)	2005	Alagappa Arts and Science college, Karaikudi.
MCA	2008	Alagappa University, Karaikudi.
M.Phil	2010	Cauvery College for Women, Trichy
SET	2016	Mother Theresa University, Kodaikanal
NET	2018	UGC
Ph. D	2024	Bharathidasan University

**6. Researcher ID:**

- Google Scholar : [https://scholar.google.com/citations?view\\_op=new\\_articles  
&hl=en&imq=Muthulakshmi+Computer+Science#](https://scholar.google.com/citations?view_op=new_articles&hl=en&imq=Muthulakshmi+Computer+Science#)  
WOS & Publons ID : ID:ABX-9101-2022  
Orchid ID : 0000-0003-3392-4894  
Vidwan ID : 201840

**7. Experience** :

Date of Joining	Institution	Years of Experience
15.06.2009	Cauvery College for Women	16

- 8. Areas of Specialization** : Big Data Analytics  
**9. Languages known** : Tamil, English

## 10. Subjects Taught :

<b>UG</b>	C & Data structure , Computer Networks , Programming in C++, Operating System, Internet Programming With ASP, PHP & Scripting Language, Data Structures and algorithms, Digital Electronics & Microprocessor, Programming in C, Database Management Systems, Office Management Tools, Programming in JAVA, Web Technology, Operating Systems
<b>PG</b>	Advanced Java Programming, Distributed Operating System, Grid Computing, Wireless Communication Network, OOAD & UML, Web Technologies, Distributed Technologies, Design and Analysis of Algorithm, Big Data Analytics, Artificial Intelligence, Cloud Computing

## 11. Details of Publications:

<b>Journal Name&amp; Volume</b>	<b>Year of Publication</b>	<b>ISSN Number</b>	<b>Name of the Paper</b>	<b>Impact Factor</b>
International Journal of Computer Science and Engineering (IJCSE), Volume-6, Issue-6 ( <b>Peer Review</b> )	June 2018	2347-2693	A Survey on Big Data Issues and Challenges	3.022
INFOCMP Journal of Computer Science, Vol. 20 Issue: 2 ( <b>UGC CARE – I</b> )	December 2021	1807-4545	Investigation Study on Heart Disease Prediction with Patient Healthcare Data	-
International Journal of Intelligent Engineering and Systems, Vol:16, Issue:1, Pg.No:25-37 ( <b>SCOPUS</b> )	February 2023	2185-3118	Z-Score Normalized Feature Selection and Iterative African Buffalo Optimization for Effective Heart Disease Prediction	-
Indian Journal of Science and Technology, Volume No:16, Issue:20, Page No:1469-1476 ( <b>WOS</b> )	May 2023	0974-5645	Prediction of Heart Disease using Ensemble Learning	0.06
Indian Journal of Science and Technology, Volume:17, Issue:6, Page. No:533-547. ( <b>WOS</b> )	February 2024	0974-5645	“Big Data Analytics for Heart Disease Prediction using Regularized Principal and Quadratic Entropy Boosting	0.06

## 12. Details of Papers Presented:

Date & Venue	Name of the Conference	Paper Name
28.12.2023 & 29.12.2023 Seethalakshmi Ramaswami College(A), Trichy	International Conference (Tech Meet – CSSRC(2023) on Current Trends in Information Technology	Comparative Analysis of Heart Disease Prediction with Ensemble Learning
18.10.2024 & 19.10.2024 Shobhit University, Ganhoa, Saharanpur, U.P. India	International Conference on Hybrid Intelligence: Theories and Applications (HITA2024)	Heart Disease Prediction using Weighted Stouffer Quantum Tangent Radial Deep Learning

## 13. Details of Seminars /Conferences/Workshops Attended:

Date & Year	Organizer	Title	National /International	Topic
06.08.2009-08.08.2009	Cauvery College for Women, Trichy	ICAC09	International Conference	Advanced Computing
28.03.2010–29.03.2010	Bharathidhasan university, Kajamalai campus	Workshop	National	C#
09.04.2010	Bharathidhasan university, Trichy	Seminar	Regional	Research areas in Computer Science
25.02.2013-01.03.2013	Vellammal Engineering, Madurai.	Workshop	National	Cloud Infrastructures and services– ICTACT & EMC <sup>2</sup>
27.04.2015–30.05.2015	NIT, Trichy	Workshop	Regional	Introduction to Design of Algorithms
07.09.2015-08.09.2015	Cauvery College for Women, Trichy	Seminar	Regional	Networking in MNC
24.08.2018	Dept. of Library and Information Science, Bharathidasan University, Trichy-24.	Workshop	National	Research Intelligence and Scholarly Publishing
17.05.2022–18.05.2022	TCS, Chennai	Online Training Program	National	FDP on DevOps
25.02.2022	Bishop Heber College, Trichy	Conference	National	Information and computing Technologies (NVCICT)-2022
09.01.2024 - 10.01.2024	Bishop Heber College, Trichy	Conference	International	Two day International Conference on Artificial Intelligence – Adoption and Application in Business

**14. Details of Seminars / Conferences/Workshops Organized:**

Year	Date	Title	National/ International	Topic
2009	Aug 6,7 & 8	International level Conference on Advanced Computing	International	Advanced Computing
2009	Sep 29 & 30	National level Conference on Cloud Computing	National	Cloud Computing

**15. Details of Orientation /Refresher Course Attended:**

Date	Title of Course	Organizer
Certificate Issue Date:29.05.2019	Pedagogical Innovations & Research Methodology	ARPIT
June –Oct2019 (12 weeks)	Introduction to Internet of Things	Swayam-NPTEL
Feb–Apr2020	Data Mining	Swayam-NPTEL
Aug–Oct 2022	Big Data Computing	Swayam-NPTEL

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

- Published a Book entitled “ Big Data Analytics and Its Applications”, SKRGC Publication, ISBN: 978-81- 19980-17-8

**17. Details of Chairing as Resource Person:**

- “Introduction to Swayam Online Courses” – Cauvery college for women(A), Trichy on 07.08.2019

**18. Details of In-Charge/Participation in Extracurricular Activities:**

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

Nature of Activity	Period of Incharge
Placement	2009 - 2013
Sports	2016 - 2017
Comphavan Club	2017 - 2018
MOOC's	2019 – till date

**19. Details of Participation in Consultancy, Training, Development etc.:**

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

- a. Reviewer - International Journal of Plant & Soil Science, BP International Publisher
- b. Examiner – Bharathidasan University
- c. Question Paper Setter for University / Autonomous Colleges  
Selvam College for Arts and Science, Nammakkal  
Thanthai Periyar Arts & Science College, Trichy  
AVS College of Arts & Science (Autonomous), Salem  
National College (Autonomous), Trichy

**21. Any other information if any:**

FDP/ Workshops/Webinars /Online Course Attended

<b>Name of the Event</b>	<b>No. of Events Attended</b>
FDP	25
Workshop	05
Webinar	40
Online Course	3