

PROFILE

Name Ms. P. Muthamil Selvi
Designation Assistant Professor (Senior Scale)
Qualification M.C.A., M.Phil., SET
Department Computer Applications
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Google Scholar Link <https://scholar.google.co.in/citations?user=LS3Q6-wAAAAJ&hl=en>



TEACHING EXPERIENCE

Institution Name	Designation & Department	SF/ GOVT	Date of Appointment	Last Working Date	Experience
Lady Doak College, Madurai	Assistant Professor & Computer Science	SF	01.07.2005	27.07.2015	10 Years
M.V.Muthiah Govt. Arts College for Women, Dindigul	Assistant Professor & Computer Science	GOVT	29.07.2015	02.12.2024	9 Years & 5 Months
Sri Meenakshi Govt. Arts College for Women, Madurai	Assistant Professor & Computer Applications	GOVT	03.12.2024	Till Date	-

ORIENTATION / REFRESHER COURSE /SHORT TERM COURSE ATTENDED

S.No.	Course Attended	Conducted by	From....To
1	Orientation Programme	UGC-HRDC, Madurai Kamaraj University, Madurai-21	31.08.2017 – 27.09.2017
2	Refresher Course in Computer Science	UGC-HRDC, Bharathiar University, Coimbatore -46	13.02.2019 – 05.03.2019

3	ARPIT in Big Data Analytics for Smart Grid(arp19-ap60)	UGC-HRDC,SWAYAM,ARPIT'19 by NITTTR, Chandigarh	01.09.2019 – 31.10.2019
4	Online Refresher Course in Computer Science & Applications	UGC-HRDC, Bharathidasan University	22.09.2021 – 05.10.2021
5	Online Refresher Course in Environmental Studies	UGC-HRDC, Madurai Kamaraj University, Madurai-21	17.03.2023 – 30.03.2023

M.PHIL DISSERTATIONS GUIDED

Academic Year	Department	Title	Nature of the Project (Theory/ Practical / Field Visit / Internship)
June 2016 - May 2017	Computer Science	An Effective Diagnosis of Pulmonary Tuberculosis using ANFIS and K-Means Clustering	Practical

PUBLICATIONS: INTERNATIONAL JOURNALS

1. P.Muthamil Selvi, "Google Docs: An Effective Collaborative Tool for Students to Perform Academic Activities in Cloud,International Journal of Information Technology (IJIT) V3(3): Page(1-5) May - Jun 2017. ISSN: 2454-5414
2. Prof. Muthamizh SelviP,Prof. R. Menaka, "The Impact Of Home Computer Use On Adolescent's Activities And Development,International Journal of Engineering Science Invention Research & Development; Vol. IV, Issue I, JULY 2017 ISSN: 2349-6185
3. P.Muthamil Selvi,"Google Docs: An Effective Collaborative Tool for Graduates to Perform Academic Activities in the Cloud",International Journal of Development Research, Vol.7,Issue.8,pp.14626-14633,ISSN: 2230-9926
4. P.MuthamilSelvi, "An Effective Diagnosis of Pulmonary Tuberculosis using K-Means Clustering and ANFIS",Scholars Journal of Engineering and Technology (SJET) ISSN 2321-435X (Online)Sch. J. Eng. Tech., 2017; 5(8):427-439 ISSN 2347-9523 (Print)
5. P.MuthamilSelvi, "Open Educational Resources in Computer Science: Opportunities and Challenges", International Journal of Computer Science Issues (IJCSI); Mahebourg Vol. 14, Iss. 5, (Sep 2017): 42-49.ISSN (online): 1694-0784 ISSN (print): 1694-0814

6. P.Muthamil Selvi, "Analysis of Image Enhancement using Genetic Algorithm Based on Performance Metrics", International Journal Of Arts, Science And Humanities,vol.5 Special Issue 1, Feb 2018, ,ISSN:2322-788X
7. P.Muthamil Selvi, "Cloud Storage Services For Big Data Management and Analytics of Streaming Data", International Journal Of Arts, Science And Humanities,vol.5 Special Issue 1, Feb 2018, ,ISSN:2322-788X
8. P.Muthamil Selvi, "Analysis Of Image Segmentation Techniques With Morphological Operation In Detecting Brain Tumor", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), Volume.6, Issue 2, Page No pp.181-189, June 2019, E-ISSN 2348-1269, P- ISSN 2349-5138.
9. K.Shanthini,Dr.B. Ashadevi, P.Muthamil Selvi. "Compression of JPEG Images using Huffman Coding", Journal of Analysis and Computation(JAC), ISSN 0973-2861,Jan 2020.
10. P.Muthamil Selvi. Dr.B. Ashadevi, "Elimination of Noise in CT Images of Lung Cancer using Image Preprocessing Filtering Techniques", IJAST, vol. 29, no. 4s, pp. 1823 - 1832, Mar. 2020.(Scopus Indexed)

BOOK CHAPTERS PUBLISHED:

Title of the book	Title of the book chapter	Year of publication	ISBN Number	Name of the publisher
Professional Development and ICT in Education	The impact of ICT in teaching learning process	2016	ISBN 978-93-85876-64-6	APH Publishing Corporation, New Delhi

PAPERS PUBLISHED IN THE PROCEEDINGS OF NATIONAL CONFERENCES / SEMINAR

1. P.MuthamilSelvi,"Collaborative Data Handling Techniques Through Cloud Computing",National Conference on Recent Trends in IT,Magayarkarasi Arts and Science College for Women,30/01/2016
2. P.MuthamilSelvi,"Importance Of Big Data Analytics And Analyzing Data With Hadoop",National Conference on Recent Trends in IT,Magayarkarasi Arts and Science College for Women,30/01/2016
3. P.MuthamilSelvi,"Impact Of Internet On Rural Students And Integrating ICT Tools In Teaching",National Seminar on ICT Enabled Education for Excellence,Gandhigam Rural Institute-Deemed University,09/02/2016

4. P.MuthamilSelvi,"Data Visualization tools for Analyzing Big Data – An Overview",National Conference on Recent Trends in IT Magayarkarasi Arts and Science College for Women,27/08/2016
5. P.MuthamilSelvi,"Role of Cloud Computing in Medical Physics"UGC Sponsored National Conference on “Advances in Material Science”,Dept. Of Physics, M.V.Muthiah Government Arts College for Women, Dindigul,12/02/2016
6. P.MuthamilSelvi,"Efficient Usage of Online Collaborative Tools – Student’s Academic Activities", International Conference on Big Data and Cloud(ICBDC'16),Sri Adi Chunchanagiri Women's College,Cumbum,23/02/2016
7. P.MuthamilSelvi,"Analysis of Image Enhancement using Genetic Algorithm based on Performance Metrics", International Conference on Data Analytics & Visualization, Magayarkarasi Arts and Science College for Women,15/02/2018
8. P.MuthamilSelvi, "Cloud Storage Services for Big Data Management and Analytics of Streaming data", International Conference on Data Analytics & Visualization, Magayarkarasi Arts and Science College for Women,15/02/2018
9. P.MuthamilSelvi,"Analysis of Image Segmentation techniques with Morphological operation in detecting Brain Tumor", International Conference on Emerging Trends in Science, Technology and Mathematics, Parvathy's Arts and Science College, Dindigul,22/08/2019
10. P.Muthamil Selvi.“Elimination of Noise in CT Images of Lung Cancer using Image Preprocessing Filtering Techniques”, The American College”, March2020
11. P.Muthamil Selvi, “ Detection of Lung Cancer on CT Images:A Review on Image Segmentation Techniques, International Virtual Conference on Contemporary Developments in Computer Science,Artificial Intelligence and Data Science, SRM Trichy Arts and Science College, 05.03.2021
12. P.Muthamil Selvi, “ Detection of Fake News using Machine Learning Algorithms implemented through Python, International Virtual Conference on Intelligent Computing in Humanity,Agriculture,Science&Technology,M.V.Muthiah Government Arts College for Women, Dindigul, May 26 & 27 2022.
13. P.Muthamil Selvi, “Python based Text to Speech Converter for Visually Impaired Students, International Virtual Conference on Intelligent Computing in Humanity,Agriculture,Science&Technology, M.V.Muthiah Government Arts College for Women, Dindigul, May 26 & 27 2022.
14. P.Muthamil Selvi, “ Morphological Watershed Segmentation of COVID-19 CT Images based on Markers, International Conference on Intelligent Computing and Communication Technology,M.V.Muthiah Government Arts College for Women, Dindigul, 27th September 2024

RESPONSIBILITIES HOLD (GOVT.):

- ✚ Department Admission Committee – UG & PG
- ✚ Placement and Career Guidance Cell Co-Ordinator
- ✚ IQAC Co-Ordinator
- ✚ NAAC Steering Committee Member
- ✚ NSS Programme Officer (MTWU NSS UNIT-19)
- ✚ Annual Stock Verification

NAAN MUDHALVAN FDP ATTENDED:

- ✚ Artificial Intelligence And Its Applications By Infosys
- ✚ Fundamentals Of Cyber Security By Quick Heal Academy
- ✚ Java Spring Networks By Infosys

ONLINE CERTIFICATE COURSES:

- ✚ ARPIT in Big Data Analytics for Smart Grid(arp19-ap60)-SWAYAM
- ✚ Computer Vision 101- INFOSYS SPRINGBOARD
- ✚ Java SE 8 Features
- ✚ Apache Maven
- ✚ Introduction to OpenAI GPT Models
- ✚ Hibernate Framework – Basics
- ✚ Introduction to Artificial Intelligence
- ✚ Introduction to Natural Language Processing
- ✚ Introduction to Deep Learning
- ✚ Spring 5 Basics with Spring Boot
- ✚ Artificial Intelligence Principles, and Practices Part I – UDEMY

DELIVERED INVITED TALKS AS RESOURCE PERSONS /SUBJECT EXPERTS/ SIGNIFICANT CONTRIBUTIONS

- ✚ Served as Board of External Examiner for Semester Examinations, Lady Doak College
- ✚ Served as Resource Person in B'PROFICS-16, Mangayarkarasi College of Arts and Science for Women, Paravai, Topic:Enhancing Presentation Skills
- ✚ Delivered a Lecture in Students Seminar on Data Mining , Mother Teresa Women's University, Kodaikanal
- ✚ Served as Visiting Faculty, Sri Meenakshi Government Arts College for Women, Madurai
- ✚ Served as Academic Auditor for CS,EMG Yadava Women's College, Madurai

- ✚ Served as Interview Panel Member and Subject Expert, Mangayarkarasi College of Arts and Science for Women, Paravai
- ✚ Served as Subject Expert, Sri Meenakshi Government Arts College for Women, Madurai