

NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

COIMBATORE

STAFF PROFILE

NAME : MRS.S. KULANDAI TERESA

DESIGNATION : ASSISTANT PROFESSOR

DEPARTMENT : COMPUTER APPLICATIONS

QUALIFICATION : MCA., MPhil.,

EXPERIENCE : 12 YEARS

AREAS OF SPECIALIZATION : DATA MINING

E-MAIL : teresapeter81@gmail.com

ACADEMIC QUALIFICATIONS :

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
B.Sc., (Computer Science)	2002	Bishop Ambrose College Coimbatore	First Class
Master of Computer Applications	2009	Indira Gandhi National Open University	First Class
Master of Philosophy	2014	Bishop Appasamy College of Arts and Science, Coimbatore	

ADDITIONAL QUALIFICATIONS:

DIPLOMA/ VOCATIONAL/ CERTIFICATION	AREA OF SPECIALIZATION	NAME OF THE INSTITUTION/	YEAR
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		UNIVERSITY/ AGENCY	
Certification	Cyber Security	SWAYAM	2019
Certification	Big Data	Team FSP-Big Data, C-DAC, Noida	2023

RESEARCH PUBLICATIONS:

INTERNATIONAL:

- [1] Mrs. S.Kulandai Teresa, Improved Clustering Approach Based On Selecting Feature Subset for High Dimensional Data Through The Propositional Foil Rules, Journal of Analytics and Computation (JAC) No-26412, April 2019, ISSN 0973-2861
- [2] Mrs. S.Kulandai Teresa, Enhanced Clustering Approach Based On Selecting Feature Subset For High Dimensional Data Through The Propositional Foil Rules, The International Journal Of Analytical And Experimental Modal Analysis(IJAEMA), January 2020, ISSN NO:0886- 9367

NATIONAL:

- [1] Mrs. S.Kulandai Teresa, An Empirical Study On Web Mining Techniques And Applications, Mukta Shabd Journal, July 2020, Pg No: 2552-2559
- [2] Mrs. S.Kulandai Teresa, Mrs.G.Arul Geetha A New Clustering Approach Based On Selecting Feature Subset for High Dimensional Data Through The Propositional Foil Rules, Conference Proceedings at KGCAS 2014

PRESENTATIONS IN CONFERENCE:

NATIONAL:

- [1] Mrs. S.Kulandai Teresa, Presented Paper on A New Clustering Approach Based On Selecting Feature Subset for High Dimensional Data Through The Propositional Foil Rules, Conference Proceedings at KGCAS 2014
- [2] Mrs. S.Kulandai Teresa , Presented Paper on Improved Clustering Approach Based On Selecting Feature Subset for High Dimensional Data Through The Propositional Foil

Rules in 2 nd National Conference On Research Challenges in Intelligent Systems of Computer Science – (NC-RCISCS'19) 15 th March 2019 Organized by Department of Computer Applications, Park's College, Coimbatore.

PARTICIPATION IN CONFERENCES:

- [1] Participated in National Conference NCERTCST'19, SNMV College of Arts and Science, Malumichampatti, Coimbatore.
- [2] Participated in 2nd National Conference On Research Challenges in Intelligent Systems of Computer Science – (NC-RCISCS'19) 15th March 2019 Organized by Department of Computer Applications, Park's College, Coimbatore.
- [3] Participated in two - day Virtual International Conference on Augmented Reality in Education: Learning Beyond Imagination organized by Department of Educational Technology, Bharathiar University, Coimbatore on 07.07.20 and 08.07.20.
- [4] Participated in two- day Virtual National Conference on Best Practices and their success Stories in Higher Educational Institutions Organized by the NAAC Sponsored Virtual Conference by IQAC of Rathinam College of Arts and Science on 25.06.2021 & 26.06.2021.
- [5] International Conference on Data Centric AI Model for Informed Survive Decision Making, Department of Commerce with Professional Accounting & Sharda University, Uzbekistan on 21.01.2026

PARTICIPATION IN SEMINARS:

- [1] One Day National Seminar on Tenors in Graph Theory, Department of Mathematics (SF), Nirmala College for Women, Coimbatore on 11.01.2020
- [2] Research Challenges on Big Data Analytics by Spark, Optimistic AI Solutions on 08.05.2020.
- [3] Robotics Process Automation, VLB Janakiammal College of Arts & Science, Coimbatore on 09.05.2020.
- [4] Recent Trends in Color Image Processing, Patrician College of Arts and Science, Adayar, Chennai on 11.05.2020.
- [5] Personal Effectiveness – Need of the Hour, Sakthi Institute of Information and, Management Studies, on 14.05.2020.

- [6] Impact Factor, H-Index, Google Scholar with Wiley & Mises Education, Ethiraj College for Women, PG & Research Department of Commerce. Chennai, on 16.05.2020.
- [7] Machine Learning Model Based Solution of Covid -19, Department of Computer Science, Nirmala College for women on 18.05.2020.
- [8] Research Challenges on Big Data Analytics by Spark, Optimistic AI Solutions on 08.05.2020.
- [9] Robotics Process Automation, VLB Janakiammal College of Arts & Science, Coimbatore on 09.05.2020.
- [10] Recent Trends in Color Image Processing, Patrician College of Arts and Science, Adayar, Chennai on 11.05.2020.
- [11] Personal Effectiveness – Need of the Hour, Sakthi Institute of Information and, Management Studies, on 14.05.2020.
- [12] Impact Factor, H-Index, Google Scholar with Wiley & Mises Education, Ethiraj College for Women, PG & Research Department of Commerce. Chennai, on 16.05.2020.
- [13] Machine Learning Model Based Solution of Covid -19, Department of Computer Science, Nirmala College for women on 18.05.2020.
- [14] Essentials of Immersive Learning, Kalaignar Karunanidhi Institute of Technology, Coimbatore, 19.05.2020.
- [15] The Art of Debriefing in Simulation Based Learning, Hindusthan College of Arts and Science, Coimbatore on 22.05.2020.
- [16] Graph Theory – A Research View, Dept. Of Mathematics SF, Nirmala College for Women, Coimbatore on 26.05.2020.
- [17] Real Life meets Fantasy- Augmented Reality/ Virtual Reality, Dept. Of Mathematics SF, Nirmala College for Women, Coimbatore on 29.05.2020.
- [18] Crack UGC NET Paper I, Department of Computer Science, Nirmala College for Women Coimbatore on 29.05.2020.
- [19] Higher Education in the VUCA World, The Internal Quality Assurance Cell, Nirmala College for Women, Coimbatore on 28.05.2020.
- [20] Crack UGC NET Paper II & III, Department of Computer Science, Nirmala College for Women, Coimbatore on 04.06.2020.
- [21] E Content Development, Department of Economics, Nirmala College for Women, Coimbatore, on 05.06.2020.
- [22] Effective Learning and Teaching Practices in Digital Era, Department of Economics, Nirmala College for Women, Coimbatore, from 08.06.2020 to 09.06.2020.

- [23] Big Data – Hadoop Framework, Avinashi lingam Institute for Home Science and Higher Education for Women, Coimbatore on 25.06.2020.
- [24] Participated in One Day National Seminar on “Prospective Areas in Computational Intelligence” National Level Virtual Seminar Organized by the Department of Computer Science with Data Analytics & Department of Networking and Mobile Application, PSG College of Arts & Science, Coimbatore, Tamil Nadu on 17.03.2021
- [25] Participated in One Day National Online Seminar on Implementation on National Education Policy -2020, Organized by JNTUH, College of Engineering, Jagtial in collaboration with AICTE & ISTE on 31.03.2021 Innovative Teaching Practices in Higher Education, Faculty Academic Forum, TMM College of Arts and Science, Kulathur, Tuticorin-628903 on 11.06.21

PARTICIPATION IN WORKSHOPS:

- [1] Participated in Outcome Based Education organized by IQAC, Nirmala College for Women, Coimbatore, on 13.10.2018.
- [2] Participated in SPSS Workshop, Organized by Department of Botany, Nirmala College For Women, Coimbatore On 14.12.2018.
- [3] Participated in International Workshop on IoT (Internet of Things), Organized by Department of Computer Science, Rathinam College of Arts and Science, Coimbatore On 22.01.2019.
- [4] Participated in workshop on Intellectual Property Rights, Patent and Copyrights organized by IQAC, Nirmala College for Women, Coimbatore, on 02.02.2019.
- [5] Participated in three days online workshop on Research Funding Projects and IPR Part II organized by R&D , IQAC and Department of EXTC Computers and IT, KC College of Engineering and Management Studies & Research, Thane from 07.06.2021 to 09.06.2021
- [6] Mobile App Development, Department of Computer Science and Engineering, St. Josephs Institute of Technology, Chennai from 07.06.2021 To 09.06.2021
- [7] Research with Patenting National Department of Information Technology, Sri Ramakrishna College of Arts and Science from 09.11.2021 to 13.11.2021

PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:

- [1] Google class room and online book publishing Faculty Development Programme, Nirmala College for Women, Coimbatore on 24.10.2017.
- [2] Internet of Things Faculty Development Programme in Nirmala College for Women, Coimbatore on 24.02.2018.
- [3] Outcome Based Education Faculty Development Programme in Nirmala College for Women, Coimbatore On 24.03.2018.
- [4] Outcome Based Education, Faculty Development Programme IQAC, Nirmala College for Women, Coimbatore on 13.10.2018.
- [5] SPSS, Faculty Development Programme, in Department of Botany, Nirmala College for women, Coimbatore on 14.12.2018.
- [6] Innovative Teaching Strategies, Curriculum Development Cell, Nirmala College For Women, Coimbatore on 30.10.2019.
- [7] Recent Trends in Techniques in Web Applications development, Nirmala College for Women, Coimbatore on 27.11.2019.
- [8] Web Application Development and Deployment using Spring Framework, Nirmala College for Women, Coimbatore on 28.11.2019 and 29.11.2019.
- [9] Moodle Learning Management System, Kaypeeyes College of Arts and Science, Kotagiri on 29.04.2020 & 01.05.2020 sponsored by Spoken Tutorial Project, IIT Bombay, MHRD, Govt of India.
- [10] Drupal, Sri Nehru Maha Vidyalaya College of Arts and Science, Coimbatore from 11.05.2020 to 15.05.2020, sponsored by Spoken Tutorial Project, IIT Bombay, MHRD, Govt of India
- [11] Enhancing Your IT Skills during Quarantine (International FDP), Bishop Appasamy College of Arts and Science, Coimbatore from 18.05.2020 to 23.05.2020.
- [12] Building a Predictive Understanding of Microbial Communities (National Level FDP), Department of Zoology, Nirmala College for Women, Coimbatore on 23.05.2020 and 24.05.2020.
- [13] Social Media Safety for Netizen, Networking” - Career Development & Up Skilling in Today’s Technology World, Artificial Intelligence Learning Techniques and Opportunities, PSG College of Arts and Science, Coimbatore, from 27.05.2020 to 29.05.2020.

- [14] Techniques in Enhancing Teaching and Learning Skills, Idhaya College for Women, Kumbakonam from 15.06.2020 to 19.06.2020.
- [15] ICT Tools for Effective Teaching, Sathyabama Institute of Science and Technology, Chennai, from 22.06.2020 to 26.06.2020.
- [16] Trends and Challenges in Current Research, Department of Software Systems and Computer Science (PG) of KG College of Arts and Science, Coimbatore, from 19.04.2021 to 23.04.2021.
- [17] Product Design using Fusion 360 (Online LIVE FDP), ICT Academy, from 19.04.2021 to 24.04.2021.
- [18] Revised NAAC Accreditation Guidelines 2020, School of Computer science and IT Jain University from 01.06.2021 to 05.06.2021.
- [19] Fabricating Powerful Webs using CMS, Nirmala College for Women, Coimbatore from 15.11.2021 to 19.11.2021.
- [20] Faculty Development Programme on Cloud Infrastructure (AWS) organized by Vignan's Institute of Information Technology(A), in collaboration with Brainovision Solutions India Pvt. Ltd and AICTE from 21.08.2023 to 25.08.2023.
- [21] Faculty Development Programme on Deep Learning Techniques for Social Media Analysis organized by Kongu Engineering College (Autonomous), Coimbatore from 15.04.2024 to 20.04.2024.
- [22] Faculty Development Programme on Python Programming for Data Analysis organized by Electronics & ICT Academy from 20-11-24 to 24-11-24.
- [23] Faculty Development Programme on Learning Outcome Based Curriculum Framework in the Context of NEP organized by IQAC, Nirmala College for Women, Coimbatore on 04.12.2024.
- [24] Faculty Development Programme on Futuristic Pathways in Technology & Computational Methodologies, organized by Department of Computer science, Mary Matha College of Arts and Science (Co-Ed), Theni from 06.01.2025 to 11.01.2025.
- [25] Faculty Development Programme on Cyber Physical System organized by Dr M.G.R Educational and research institute, Chennai from 26.05.2025 to 30.05.2025
- [26] Outcome based Education, Binary Accreditation & Usage of AI organized by St Mary's Centenary Degree College, Hyderabad Archdiocese Educational Society from 2.06.2025 To 06.05.2025.

[27] Futuristic Pathways in Technology & Computational Methodologies, Department of Computer science Department of Computer science, Mary Matha College of Arts and Science (Co-Ed), Theni from 06.01.2025 to 11.01.2025.

[28] Next Generation AI: Exploring the Power of Generative Models and Transformers organized by Dr M.G.R Educational and Research Institute, Chennai from 01.12.2025 to 05.05.2025

CONFERENCE/ SEMINAR/ WORKSHOP ORGANIZED:

- [1] Member in organizing an international conference on Mathematics and Computer Science (ICMCS 2016) on 15.12.2016 and 16.12.2016
- [2] Member in organizing International Symposium on Innovative Thinking in Machine Oriented Applications and Security Management on 25.09.2019.
- [3] Member in Organizing International Seminar on Cyber Security on 19.05.2021.
- [4] Member in Organizing National Seminar of Research Strategies and Technologies

INVITED SPEAKER/ SESSION CHAIR- CONFERENCE/ SEMINAR/ WORKSHOP:

- [1] Mentor for the Robotic Process Automation taught by ICT Academy in the year 2022.
- [2] Resource person for the Hands-on Training session on Canva organized for the Non-Teaching Faculty in 2023.
- [3] Handled class for the Data Science course offered to the students by ICT Academy for one week from 08.01.2024

BOOK PUBLICATIONS:

- [1] E-Book titled SYSTEM SOFTWARE OBJECTIVES, Amazon Publications, ASIN: B08697YTXG, 2020
- [2] CYBER SECURITY, Nirmala College for Women publisher, 978- 93-81723-98-2, 2021
- [3] DIGITAL SECURITY, Nirmala College for Women publisher, 978-81-949829-4-4, 2021.
- [4] சைபர்குற்றம்- தெரிந்து கொள்ளுங்கள், Amazon Publications, ASIN:

B092QT6FWJ, 2021

[5] Python Programming: Beginners Learning Approach, Nirmala College for Women, 978-81-983870-1-1, 2024

[6] Essentials of Database Concepts – Lecture Notes, Nirmala College for Women, 978-93-342-2450-4, 2025.

[7] Beginner's Journey to AI Powered Cyber Security, Nirmala College for Women, 978-81-993795-9-6

MEMBERSHIP IN PROFESSIONAL BODIES:

[1] Executive Council Member of Parent Teacher Association

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