

Mrs. V. Backiyalakshmi M.S[IT &M]., M.Phil., NET., (Ph.D)

Assistant Professor,

UG & PG Department of Computer Science (Satellite Campus),

The American College, Madurai.

Date of Joining : 01.08.2024

Mobile No : 9600904010

Email : backiyalakshmi@americancollege.edu.in



Objectives

Seeking an Assistant Professor position to collaborate across disciplines, contribute to cutting-edge research, and develop innovative teaching strategies that prepare students for a dynamic and interconnected world.

Educational Qualification

Degree	Subject	College / University	Year of Completion
Ph.D	Computer Science	Madurai Kamaraj University	Pursuing Since March 30,2022
NET	Computer Applications	UGC	2019 – June
M.Phil	Computer Science	Mother Teresa Women’s College, Kodaikanal	2015
M.S[IT & M]	Information Technology with Management	Madurai Institute of Social Sciences	2007
B.Sc	Computer Science	St. George’s Jeyaraj Chelladurai College, Madurai.	2004

Additional Qualification

1.	DGT	Diploma In Gandhian Thought	Madurai Kamaraj University	2020
2.	DCHE	Diploma In Computer Hardware Engineering	TMC Computer Education, Madurai	2001
3.	DMA	Diploma In Multimedia Animation	TMC Computer Education, Madurai	2001
4.	DCA	Diploma In Computer Programming	TMC Computer Education, Madurai	2001

Specialisation in Teaching: C, C++, Operating System, DBMS, Computer Networks, Software Engineering, Web Technology, Computer Graphics.

Research Interests : Machine Learning, Data Mining.

Teaching Experience

1st AUGUST 2024 TO TILL DATE

Assistant Professor, PG Department of Computer Science (Satellite Campus), The American College, Madurai.

4th JULY 2022 – 30th JULY 2024

Assistant Professor, PG Department of Commerce with Computer Applications, Mannar Thirumalai Naicker College, Madurai.

21st FEBRUARY 2022 – 30th JUNE 2022

Assistant Professor, Department of Computer Science, V.V.Vanniyaperumal College, Viruthunagar.

4th AUGUST 2014 – 20th FEBRUARY 2022

Assistant Professor, Department of Computer Science, E.M.G Yadava Women's College, Madurai.

Other Experience

NOVEMBER 2003 – MAY 2004

Project Trainee, Amar Software & Data Systems, Madurai.

NOVEMBER 2005 – JULY 2006

Programmer, MACRO Tech Solutions, Madurai.

NOVEMBER 2005 – JUNE 2006

Web Site Developer, BETHEL Education And Social Trust, Madurai.

NOVEMBER 2006 – APRIL 2007

Project developer, STRETA Industrial Institute Interface, Chennai.

Online Certificate Course

S.No	Date	Activity	Topic	Institute
1.	17.07.2022	Faculty Consultancy Course	Faculty Consultancy Program & Funded Project	Www.Classupon.Com
2.	23.07.2022 to 30.07.2022	Faculty Consultancy Course	Research Writing	Class Upon Academy Of Research And Education
3.	July - Sep 2022	NPTEL	Computer Graphics	IIT – Guwahati
4.	25.02.2023	IIT Spoken Tutorial	Html	Mannar Thirumalai Naicker College

5.	2023	Employability Skills Program	Impactful Writing Skills	Wadhvani Foundation
6.	2023	Employability Skills Program	Effective Speaking Skills	Wadhvani Foundation
7.	26.08. 2023	Certificate Course	Python Essentials -1	Cisco – Network Academy
8.	27.08. 2023	Certificate Course	Python Essentials -2	Cisco – Network Academy
9.	November 2023	Certificate Course	Python For Machine Learning	Great Learning Academy
10.	November 2023	Certificate Course	Android Application Development	Great Learning Academy

Programs Participated

1. Participated FDP on Enrichment of Teaching Skills, organized by OAA-MAVMM School of Management, Madurai on 14.02.2015.
2. Participated FDP on Logics of Programming, organized by Pandian Saraswathi Yadav Engineering College, Sivagangai, Madurai on 07.12.2015.
3. Participated FDP on E-Learning and MOOCS In Higher Education and New Roles of Teachers, organized by Guru Angad Dev Teaching Learning Centre, University of Delhi, on 25.09.2017.
4. Participated three days FDP on DIGI Tools For Enhancing Teaching and Learning, organized by Tamilnadu Teacher Education University, Chennai, from 25.01.2021 to 27.01.2021.
5. Participated Four days FDP on Revised NAAC Accreditation Frame Work Perceptions, organized by G.T.N.Arts College, Dindigul.
6. Participated in Five Days FDP on Python Programming organized by ICTACT in association with E.M.G Yadava Women's College, Madurai from July 31, 2023 to August 04, 2023.
7. Participated in One Week FDP on Research Ethics in Higher Education Organized by Rani Anna Govt. College for Women and Globethics from 18.09.2023 to 25.09.2023.
8. Participated Seven Days Professional Development Programme Quality and Effective Research Writing - Phase IV Organized by Patrician College of Arts & Science, Chennai from 6th - 12th June 2023.
9. Participated Two Days Workshop in Data Analysis Using SPSS Organized by Patrician College of Arts & Science, Chennai 13th June & 14th June 2023.
10. Participated National Level Workshop ChatGPT for Academics Organized by St. Joseph's College, Tiruchirappalli on 21.06.2023.

Paper Presented in International Conferences

1. Presented the paper titled “A Study On Clustering In Machine Learning” in the International organized by Mangayarkarasi College Of Arts & Science For Women, Madurai on 30.01.2020
2. Presented the paper titled “A Collate On Artificial Intelligence – Machine Learning – Deep Learning & Data Science” in the International organized by Mangayarkarasi College Of Arts & Science For Women, Madurai on 30.01.2020.
3. Delivered an awareness programme on “Proper Disposal of e-Waste” in the International organized by E.M.G. Yadava Women’s College, Madurai, on 16.12.2019.
4. Presented the paper titled “Financial Fraud Detection Techniques Using Machine Learning” in Inter National Conference - JOMSHA Journal on 27.1.23 & 28.1.23.
5. Presented the paper titled “A Systematic Short Review on Intelligent Fraud Detection Approaches In The Banking Sector Using Deep Learning And Machine Learning With Future Trends” in IEEE Conference - ICRTAC 23 Vellore Institute of Technology, Chennai Campus, India on 14.12.2023 & 15.12.2023

Journal Publication

1. Published a paper titled “A Novel Technique to Performing Big Data Applications Based On Map- Reduce Framework” in International Journal of Science, Technology & Management, April 2015, Volume No: 04, Issue S.I(01), ISSN(O): 2394-1537.
2. Published a paper titled “A Survey on Types of Cyber Attacks and It’s Restorative” in International Journal of Scientific Research in Computer Science Applications and Management Studies, Sep 2018, Volume No: 07, Issue 4, ISSN(O) 2319-1953.
3. Published a paper titled “A Collate on Artificial Intelligence - Machine Learning - Deep Learning & Data Science” in Journal of Analysis and Computation, January 2020, Volume No: 13 Spl, Issue I, ISSN(O) 0973-2861.
4. Published a paper titled “A Study on Clustering in Machine Learning” in Journal of Analysis and computation, January 2020, Volume No: 13 Spl, Issue I, ISSN(O) 0973-2861.
5. Published a paper titled “Financial Fraud Detection Techniques Using Machine Learning” in Journal of Management, Science & Humanities, Dec 2022, Volume No: 9 Spl, Edition, ISSN(O) 2395-0625.
6. Published a paper titled “Machine Learning Techniques For Fraud Detection In E-Commerce” in Digital India Initiative to Become Developed India, Sep 2022 Volume II, Special Edition, ISSN(O) 978-93-83191-88-8.
7. Published a paper titled “Evaluations Of Machine Learning Algorithms For Fraudulent Analysis in Financial Sector” in UGC-Care Group 'II' Journal The International Journal of Analytical and Experimental Modal Analysis, April 2023, Volume No: XV Spl, Issue IV, ISSN(O) 0886-9367.
8. Published a paper titled “The Crucial Role Of Internal Controls And Corporate Governance in Detecting And Preventing Fraudulent Activities Using Machine Learning Techniques” in UGC Care Group II Journal – Zeichen – International Journal, Aug 2023, Volume No: 09, Issue 8, ISSN(O): 0932-4747.
9. Published a paper titled “Unveiling Deception: A Comprehensive Look at Fraudulent Activities in The Financial Sector” in International Journal of Innovative Research in Computer and Communication Engineering, Sep 2023, Volume No: 11, Issue 9, E-ISSN: 2320-9801, P-ISSN: 2320-9798.
10. Published a paper titled “The Recent Trends in Artificial Intelligence and Machine Learning Technology in Financial Sectors” in International Educational Scientific Research Journal, Mar 2024, Volume No: 10, Issue 3, E-ISSN: 2455-295X.
11. Published a paper titled “A Systematic Short Review on Intelligent Fraud Detection Approaches in The Banking Sector Using Deep Learning and Machine Learning with Future Trends” in IEEE - 2023 6th International Conference on Recent Trends in Advance Computing (ICRTAC), April 2024, 979-8-3503-9470-2

National/International Seminars, Workshops, Conferences Participated

S. No.	Program	Organized By	Date	Title of the Paper
1.	International Colloquium	Mother Teresa Women's University, Kodaikanal	06.08.2014 & 07.08.2014	Research Orientation and Quality Publications
2.	International Conference	Arul Anandar College, Karumathur	25.02.2015	Innovative Trends in Computing and Technology
3.	National Workshop	Fatima College, Madurai	11.09.2015	Innovative Technologies & Advanced computing
4.	National Workshop	Lady Doak College, Madurai	05.03.2016	Pedagogy Of Women's Studies
5.	International Conference	Mangayarkarasi College of Arts & Science For Women, Madurai	05.01.2019	Emerging Trends In Iot & Machine Learning
6.	International Conference	Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi	11.01.2019	Advanced Computing Technologies
7.	International Seminar	Mangayarkarasi College of Arts And Science For Women, Madurai	08.08.2019	Insight Of Software Development and Organization
8.	International Workshop	Mannarthirumalai Naicker College, Pasumalai, Madurai	23.01.2020	Algorithmic Thinking And Problem Solving
9.	National Webinar	Yadava College, Madurai	03.02.2021	Ethical Issues And Cyber Security In ICT
10.	National Virtual Conference	Sermathai Vasan College For Women	05.02.2021	Artificial Intelligence, Neural Network and Cyber Security
11.	International Conference	Wollo University, Kombolcha Institute of Technology, Ethiopia	08.02.2021	International Webinar On Entrepreneurship
12.	National Webinar	Syed Ammal Arts and science College, Ramanathapuram.	17.02.2021	EDGE E-Computing with Big Data And IOT
13.	Webinar	Livewire	25.03.2021	Data Science
14.	National Level Webinar	Chalapathi Institute of Engineering and Technology, Guntur – Andhra Pradesh	26.10.2022 To 30.10.2022	Five Days CIET Webinar Series October 2022
15.	One-Week National Level Online Faculty Development Program	Shri Vishnu Engineering College for Women, Bhimavaram, Andhra Pradesh.	01.11.2022 To 05.11.2022	Recent Trends in Artificial Intelligence and Cyber Security
16.	National Level Webinar	Chalapathi Institute of Engineering And Technology,	4.11.2022	Utilizing Micro Hydro Systems for Quality Electricity Generation

		Guntur – Andhra Pradesh		
17.	Guest Lecture	Chalapathi Institute of Engineering And Technology, Guntur – Andhra Pradesh	19.11.2022	Computer Networks
18.	One Week National Level Online Faculty Development Program	Shri Vishnu Engineering College for Women, Bhimavaram, Andhra Pradesh.	01.03.2023 To 05.03.2023	Recent Advances in Data Science, Data Analytics and Cyber Security

ARTICLES PUBLISHED IN E-CONTENT

Platform	Title of the Article	Month / Year	LINK
You Tube	BIRCH ALGORITHM IN DM	07.05.2020	https://youtu.be/91Z9tQHxm48
	ROCK Algorithm	07.05.2020	https://youtu.be/kYFJDTb75hE
	STIRR Algorithm	07.05.2020	https://youtu.be/InQ1uZa5Ups
	Genetic Algorithm IN DM	08.05.2020	https://youtu.be/CF6ExWUa_yI
	Web Mining	08.05.2020	https://youtu.be/IVroxF8HYto
	GSP Algorithm IN Data Mining	08.05.2020	https://youtu.be/EEEnS0Z8RFv8
	Temporal Data In Data Mining	08.05.2020	https://youtu.be/EgSNXPETAOk
	SPADE Algorithm	08.05.2020	https://youtu.be/v9aXs8j4oes
	Event Prediction Problem	14.05.2020	https://youtu.be/ZYdol8PtICw
	SPIRIT Algorithm	14.05.2020	https://youtu.be/F4nvHPRAmN8
	Bankers Algorithm	02.11.2020	https://youtu.be/-9O5IMHzAw8
	Blockchain Technology	11.10.2021	https://youtu.be/RRqPsToE38M
	Arrays in 'C' Programming	31.08 2022	https://youtu.be/_GvQo7euCfM
	Tally - voucher entry	20.10.2022	https://youtu.be/h1JQXMUIET4
	Android Architecture	Apr 30, 2024	https://youtu.be/x6gXBKZy7z8?si=IXXlenj0AVKQEZb3
Inheritance in C++	Apr 4, 2024	https://youtu.be/mVqfs3KJD94?si=Txbt3bHBQ23-XX6Y	
	Strings - C Program	11.02.2022	https://www.scribd.com/document/604612627/C-Program-Strings
	Arrays, Structures, and Union in C Programming	11.02.2022	https://www.scribd.com/document/604612708/C-Programming
	MCQ - C Programming	11.02.2022	https://www.scribd.com/document/604612629/c-Programming-Mcq-Questions

SCRIBD	Passing Arrays as Function Arguments & Pointers	11.02.2022	https://www.scribd.com/document/604612673/Passing-Arrays-as-Function-Arguments-Pointers
	C - Pointers	11.02.2022	https://www.scribd.com/presentation/604612656/C-Pointers
	File Management in C	11.02.2022	https://www.scribd.com/presentation/604612706/File-Management-in-C
	Accounting Reports in Tally	11.02.2022	https://www.scribd.com/document/604613850/Accounting-Reports-in-Tally
	Voucher Entry & Practical Problem - Tally	11.02.2022	https://www.scribd.com/document/604613813/Voucher-Entry-Practical-Problem-Tally
	Tally	11.02.2022	https://www.scribd.com/presentation/604613859/Tally
	Accounting Reports - Tally ERP9 PPT	11.02.2022	https://www.scribd.com/presentation/604613870/Accounting-Reports-Tally-ERP9-PPT
Slideshare	Understanding Basics of OS	01.06.2021	http://www.slideshare.net/SriGayu/understanding-basics-of-os?from_m_app=android
	Operating System definition	15.08.2021	http://www.slideshare.net/SriGayu/os-unit-1cont?from_m_app=android
	Operating System concepts	15.08.2021	http://www.slideshare.net/SriGayu/operating-system-concepts-249984330?from_m_app=android

Personal Details

Name : V. Backiyalskhmi
Address for Communication : Pl.No 63, Allimalar Street, Ram Nagar, P and T Nagar Extension, Madurai - 17
Date of Birth : 22-May-1984
Languages Known : Tamil, English, Telugu(Speak)

I hereby declare that all the statements made above and information given in this application is true and correct to the best of my knowledge and belief.