@RESUME

Name	**: Dr. T. Idhaya**
Designation	**: Assistant Professor**
Department	**: Computer Science**
Address	**: Plot. No.28, Viswarathna Nagar, Opp. Rose Mary School, K.T.C. Nagar, V.M. Chatram Post, Palayamkottai, Tirunelveli-11.**

PERSONAL DETAILS

Date of Birth	:	20.05.1993
Qualification	:	M.Sc., M.Phil., Ph.D.,
Designation	:	Assistant Professor
Department	:	Computer Science
Community	:	BC
Religion	:	RC-Christian
Nationality	:	Indian
Mobile	:	6384598934
Email ID	:	idhayathomas003@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph. D	Computer Science	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	2024
M. Phil	Computer Science	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	2017

M. Sc	Computer Science	St. Xavier's College	Manonmaniam Sundaranar University	2016
B. Sc	Computer Science	St. Xavier's College	Manonmaniam Sundaranar University	2014

ACADEMIC IDENTITY

*VIDWAN ID	408326
*ORCID ID	0000-0001-6339-8165
*SCOPUS ID	58085515200
*RESEARCHER ID/ PUBLONS ID	ITV-1930-2023
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?hl=en&user=8_cVOosAAAAJ

TEACHING EXPERIENCE

Date of Appointment	19.06.2024
Date of Retirement	31.05.2053
Teaching Experience	UG -8 months
	PG -NIL
	M.Phil. -NIL
Research	Guided M Phil: Guided Ph D: Guiding Ph Scholar: -NIL

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	To	Years
Computer Networking	M.S. University	Sep-1-2023	Dec-31-2023	4 months
Advanced Networking and Communication Protocols		Jan-1-2024	Apr-30-2024	
Forms of Cyber Crime		Jan-1-2024	Apr-30-2024	
Operating System and Unix Shell Programming	St. Xavier's College	19.06.2024	16.04.2025	-
Robotics Process Automation				
Cloud Computing				
Data Communication and Computer Network				

AWARDS RECEIVED -NIL

1.	NIL
2.	

ADMINISTRATIVE EXPERIENCE - NIL			
S. No	DESIGNATION	INSTITUTIONS	YEAR
	NIL		

MEMBERSHIP -NIL		
S. No	Designation	Particulars
1.		
2.		
3.		
4.		
5.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (UGC / HRDC / TLC-PMMNMT ONLY)		
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (SXC and Others)		
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme for the Newly Recruited Faculty Members	Internal Quality Assurance cell (IQAC)	29th June 2024 & 06th July 2024
2	Machine Learning and Deep Learning: Research and Application Perspectives	Department of ECE & IT at Bannari Amman Institute of Technology, Sathyamangalam	19th – 24th January 2019
3	Molecular Modeling and Insilco drug designing	St. Joseph's College of Engineering.	23rd-27th August 2021
4.	Teaching Teachers: Style and Professionalism	-	23-7-2024

5.	"preparation and Finalizing Research Paper for journals –Faculty Enhancement and Empowerment Programme	-	8-8-24
6.	A Two Day Staff Enhancement and Empowerment Programme	IQAC	19-11-2024 to20-11-2024
7.	Enhancing Research Productivity: Impactful Publications & Projects	-	12-12-2024
8.	National Level Short Term Traning Program -2024 on JAVA Full Stack with React JS & AI	AICTE	2-12-2024 to 22 – 12- 2024

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Completed	Design and Development of Predictive Machine Learning Models for Drug Discovery based on Protein Family Identification and Drug Protein Interaction Identification	Manonmaniam Sundaranar University

AREAS OF RESEARCH

Image Processing
Machine Learning
Big Data

RESEARCH PROJECTS CARRIED OUT - NIL

S. No	Title of the Project (Minor)	Name of the Funding Agency& Amount	Duration

PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
1		5		
OTHER INDEXED	AS A	PAPERS	WEBINARS,	

	RESOURCE PERSON	PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	SEMINARS, WORKSHOPS ATTENDED	
		2	26	

PUBLICATIONS: BOOKS (1)

S. No	Title of the Book	Publication	Year
1.	**Introductionto MachineLearning**	RG Publications	2025

BOOK CHAPTERS ()

S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

PUBLICATIONS: SCOPUS INDEXED JOURNALS (5) WEB OF SCIENCE (5) UGC LISTED JOURNALS (5)

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Drug Protein Interaction Prediction Using Machine Learning Techniques – A Review. DOI: 10.9781/ijimai.2022.11.002	International Journal of Interactive Multimedia and Artificial Intelligence	ISSN No: 1989-1660 Vol. 8, Issue No. Regular, PP. No. 86-100 Year: 2022 Impact Factor: 3.4
2.	Calibrating the Classifiers for Protein Family Prediction with Protein Sequence using Machine Learning Techniques: An Empirical Investigation. DOI: 10.1142/S021969132250045X	International Journal of Wavelet, Multiresolution and Information Processing	ISSN (print): 0219-6913 | ISSN (online): *1793-690X*. Vol. No: 21, Issue No: 3, PP. No: 2250045, Year: 2023, Impact Factor: 1.4
3.	Stacked Framework of Machine Learning	Current Science	ISSN No: 0011 – 3891,

		Journal	Vol. No. 125, Issue No. 5, PP. No: 508, Year: 2023, Impact Factor: 1.169
	Classifiers for Protein Family Prediction using Protein Characteristics.	Journal	Vol. No. 125, Issue No. 5, PP. No: 508, Year: 2023, Impact Factor: 1.169
4.	A Comprehensive Review on Machine Learning Techniques for Protein Family Prediction DOI:10.1007/s10930-024-10181-5	The Protein Journal	ISSN: 1572-3887 Vol. 43, PP. No. 171–186, Year: 2024, Impact Factor: 1.6
5.	Drug-Protein Interactions Prediction Models Using Feature Selection and Classification Techniques. DOI: 10.2174/0113892002268739231211063718.	Current Drug Metabolism	Vol. No. 24, Issue No. 12, PP. No: 817-834, Year: 2023, ISSN: 1389-2002 (print); 1875-5453 (web), Impact factor: 2.960

PUBLICATIONS: OTHER INDEXED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No

AS A RESOURCE PERSON ()

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

WEBINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP/PAPER PRESENTED: National () International (2)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	A Survey on Drug Discovery for Precision Medicine	International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-2020)	27th & 28th February 2020.
2.	Evolutionary Algorithms and It's Applications - A Review	International Conference on Recent Trends in	Sarah Tucker

		Computing and Information Technology (RTCIT-2022)	College, Tirunelveli, TamilNadu, 11th & 12th February 2022.

WEBINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER ATTENDED: National () International (26)			
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Place and Date**
1.	Deep Learning with python using Google Colab	Department of Computer Science and Engineering, MS University.	22nd February 2022, MS University
2.	Tool for writing research outcomes in rightway	Periyar Maniyammal Institute of science and technology	24 th sep 2021.
3.	The Art of Research Article Writing	Department of Computer Science and Engineering, MS University .	14th November 2022.
4.	Research Projects and Patents	Department of Computer Science and Engineering, MS University	21th September 2022.
5.	Research Article Writing and Publication Ethics	Department of Computer Science and Engineering, MS University.	20th September 2022
6.	Intellectual Property Rights and Patenting	Department of Computer Science and Engineering, MS University.	20th November 2021.
7.	Machine Intelligence", held on 22nd April 2019	Department of Computer Science and Engineering, MS University	22nd April 2019
8.	Scholarly Publishing, Writing Research Papers, Citation, Plagiarism and Copyright	Department of Library and information science, Thiruvalluvar College, Papanasam.	8th & 9th February 2019
9.	Prospective Areas of Research in Computer Science with Healthcare Data	Department of computer science and Department of zoology in collaboration with the IQAC, APC Mahalaxmi College for women, thoothukudi.	9th and 10 th Aug 2018.
10.	Quality Research and Publications	Centre for Research, MS University	7th December 2018.
11.	Basics of Machine Learning using R-tool	Department of computer science and engineering, MS University.	23rd February 2018.
12.	Internet of things (IOT)	Department of computer science and information technology, Wahoo Wajeeha Women's College of arts and science, kayalpatnam.	17th Aug 2017.
13.	Remote Sensing and Space Science	Department of Computer Science	10th & 11th January 2017.

		and Engineering, MS University.	
14.	Advanced Concepts in Data Structure and Algorithms	Department of Computer Science and Engineering, MS University.	3rd & 4th November 2016.
15.	Recent Trends in Space Science	Department of Computer Science and Engineering, MS University	21st October 2016
16.	Space Science & Remote Sensing	Department of Computer Science and Engineering, MS University.	17th & 18th August 2016
17.	Report Writing	Department of Computer Science and Engineering, MS University	12th September 2022.
18.	MOOCs through SWAYAM	Department of Computer Science and Engineering, MS University	19th November 2018.
19.	Data Analytics and Machine Learning using R	SCS-India, at Madurai Facility	26th July 2018.
20.	Internet of Things- the connected future	Institution of Electronics and Telecommunication Engineers (IETE) in association with Riyasaa labs, Kanyakumari.	5th August 2017
21.	Recent Trends in Space Science	Department of Computer Science and Engineering, MS University.	24th and 25th April 2017.
22.	Satellite Management and Its Issues	Department of Computer Science and Engineering, MS University.	7th and 8th February 2017
23.	Video Processing Using Matlab	Department of Computer Science and Engineering, MS University	3rd October 2016
24.	Software Development Life Cycle (SDLC)	Department of Computer Science, St. Xavier's College.	14th August 2014
25.	Machine Learning and Deep Learning: Research and Application Perspectives	Department of ECE & IT at Bannari Amman Institute of Technology, Sathyamangalam	19th – 24th January 2019
26.	Molecular Modeling and Insilco drug designing	St. Joseph's College of Engineering.	23rd-27th August 2021

COUNTRIES VISITED			
NIL			

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)
NIL

Date:6/7/25   **Name: T.Idhaya**