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Dr. T. PERUMAL RANI M.Sc., M.Phi.l, Ph.D
Guest Lecturer,
Rani Anna Govt. College for Women
Tirunelveli -627 008
TAMILNADU

PERSONALDETAILS

Date of Birth   : 10.05.1981

Qualification   : M.Sc.,M.Phil.,Ph.D

Designation   : Guest Lecturer

Department   : Computer Science

Community   : BC

Religion   : Hindu

Nationality   : Indian

EmailID   : perumalrani81@gmail.com

ACADEMICQUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
UG	Computer Science	Rose Mary College of Arts and Science, Tirunelveli	M.S University, Tirunelveli-12	2002
PG	Information Technology	Allahabad Agricultural Institute Deemed University, Allahabad	Allahabad Agricultural Institute Deemed University, Allahabad	2004
M.Phil.	Computer Science	St.Xaveir College, Palayamkottai. (Study Centre)	Madurai Kamraj University, Madurai	2008
Ph.D	Information Technology-Computer Science(Interdisciplinary)	Rani Anna Govt. College for Women, Affi. M.S University, Tirunelveli-12	M.S University, Tirunelveli-12	2022
SET	Computer Science and Applications	Mother Teresa Women's University, Kodaikanal.	Mother Teresa Women's University, Kodaikanal.	2016

TEACHINGEXPERIENCE

DateofAppointment	06.07.2009
DateofRetirement	30.06.2041
TeachingExperience	13 yrs 9 months
Research	Neural Networks

COURSES/ CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	To	Years
Computer Literacy Programme	Rani Anna Govt. College for Women, Affi. M.S University, Tirunelveli-12	Aug 2006	June 2009	3 yrs
Computer Science	Rani Anna Govt. College for Women, Affi. M.S University, Tirunelveli-12	July 2009	Till Date	13 yrs 9 months

ADMINISTRATIVEEXPERIENCE			
S.No	DESIGNATION	INSTITUTIONS	YEAR
1.	TNGASA 2020 UG & PG Arts & Science Admission, Directorate of Collegiate Education, Chennai	Rani Anna Govt. College for Women, Affi. M.S University, Tirunelveli-12	Aug 2020 – Sep 2020
2.	TNEA 2021 Engineering Admission Directorate of Technical Education, Chennai	Rani Anna Govt. College for Women, Affi. M.S University, Tirunelveli-12	Mar 2021 – Nov 2021
3.	TNGASA 2022 UG & PG Arts & Science Admission, Directorate of Collegiate Education, Chennai	Rani Anna Govt. College for Women, Affi. M.S University, Tirunelveli-12	July 2022 – Sep 2022

MEMBERSHIP		
S.No	Designation	Particulars
1.	Allied Practical Examiner and Allied Theory Valution	From 07.04.2018 to 03.04.2019
2.	Major Practical Examiner and Major Theory Valution	From 23.03.2019 to Till Date

ORIENTATION/REFRESHER COURSES/FACULTY DEVELOPMENT PROGRAMME UNDERGONE(0)			
S.No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1.	Participated in the five days National Level online Faculty Development Program on 'Data Handling and Data Visualization using Python'	Organized by the Department of Computer Science and Engineering, Government College of Engineering on 6 July to 10 July 2020	Department of Computer Science and Engineering, Government College of Engineering on 6 July to 10 July 2020
2.	Participated in the five days Online Faculty Development Program on "Machine Learning In Research Perspective".	Organized by the Department of Computer Science and Engineering, St. Joseph's Institute of Technology from 18th to 22nd of July 2020	Department of Computer Science and Engineering, St. Joseph's Institute of Technology from 18th to 22nd of July 2020
3.	Five days online Faculty Development Program on "E-Content Development and Latex"	Organized by Department of Computer Applications and Research Centre at at Sarah Tacker College(Autonomus), Tirunelveli-7.	July 26 to July 30,2021 organized by Department of Computer Applications and Research Centre at at Sarah Tacker College(Autonomus), Tirunelveli-7.

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the work was carriedout
Completed	An Efficient Deep Learning Algorithm for Brain Wave Signal Classificaiton	M.S University, Tirunelveli-12

AREAS OF RESEARCH
Neural Networks
Machine Learning
Deep Learing

PUBLICATIONS				
BOOKS	**BOOK CHAPTERS**	**SCOPUS INDEXED**	**WEB OF SCIENCE**	**UGC LISTED**
0	0	2	0	2
OTHER INDEXED	**AS A RESOURCE PERSON**	**PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS**	**WEBINARS, SEMINARS, WORKSHOPS ATTENDED**	**PATENT**
0	0	0	29	

PUBLICATIONS: SCOPUS INDEXED JOURNALS (2) WEB OFSCIENCE(0)			
S. No	**Title of the Paper**	**Name of the Journal**	**ISSN No.,Volume, Issue, Impact factor & Pg. No**
1.	A Novel Peak Signal Feature Segmentation Process for Epileptic Seizure Detection	International Journal of Information Technology.	ISSN No : 2511-2104 E-ISSN : 2511-2112 DOI : 10.1007/s41870-020-00524-7. Vol 13 No. 2 **(Page No: 423-431) Group II Scopus Indexed (UGC-CARE List and Springer**.) 2020 Published at Springer page (April 2021)
2.	A Novel Segmented for Peak Signal Method for Epileptic Seizure Detection on Frequency Band of EEG Signal	Design Engineering (Tornoto)	ISSN No : 0011-9342 http://thedesignengineering.com/index.php/DE/article/view/4993 Issue 8 **(Page No: 996-1004)** Year 2021 **Group II Scopus Indexed**

PUBLICATIONS:UGC LISTED JOURNALS(0)			
S. No	**Title of the Paper**	**Name of the Journal**	**ISSNNo.,Volume, Issue, Impact factor & Pg. No**
1.	Epileptic Eectroencephalogram signal Classification using Auto encoder	Sadakath: A Research Bulletin	Vol. V **(Page No: 18-21)** Feb 2018 **SPECIAL ISSUE,** **UGC APPROVED JOURNAL NO. 64130**

2.	Epileptic Electroencephalogram Classification using Machine Learning Algorithms	International Journal of Computer Science and Engineering	E-ISSN: 2347-2693 Scope Database Link: https://sdbindex.com/documents/00000518/00001-59745 Vol. 6, Issue. 9 **(Page No: 36-41)** Sep 2018 DOI: https://doi.org/10.26438/ijcse/v6i9.3641 **(UGC APPROVED**, **Indexed in Scopus Database**. Index with: ICI, RG, Google Scholar, ROAD, DPI Digital Library**, Impact Factor: 3.022**)

PUBLICATIONS: OTHER INDEXED JOURNALS (1) International:0			
S.No	**Title of the Paper**	**Name of the Journal**	**ISSNNo.,Volume, Issue, Impact factor & Pg.No**
1.	K-means and Fuzzy-C means Clustering on Brain wave Signal"	RAC Journal of Research	ISSN No : 2230-7362 **(Page No: 21-27)** August 2019

CONFERENCES PAPER PRESENTED: National(1) International(2)			
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Place and Date**
1.	Performance of Deep Neural Network and Gradient Boosting Methods on Brain Wave Signals INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ADVANCED COMPUTING AND ITS APPLICATIONS (ICRTACA-2019)	RESEARCH CENTRE, Department of Computer Applications, Sri Sarada College for Women, Tirunelveli, pp. 44	Sri Sarada College for Women, Tirunelveli 23/02/2019
2.	Performance of Classification and Clustering using SVM and K-means Algorithms on EEG Signals INTERNATIONAL CONFERENCE ON SOFT COMPUTING AND OPTIMISING TEHNIQUES	Organized by Research Department of Computer Science, KAMRAJ COLLEGE, Thoothukudi, pp. 58-59.	KAMRAJ COLLEGE, Thoothukudi 09/08/2019 AND 10/08/2019

S. No	NameoftheEvent	NameoftheSponsoringAgency	Place and Date
	WEBMINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP ATTENDED: 0		
1.	Seminar about "Recent Developments in Information Technology"	Organized by the department of Computer Science, at Aditanar College of Arts and Science, Virapandianpatnam, Tiruchendur.	23 Feb 2018
2.	Participated in the One Day national Workshop on 'Restriction of Plagiarism: A Quality Measure in Social Science Research'	Organized by Fr. Utarid library, St. Xavier's College of Education (Autonomous), Palayamkottai in collaboration with SALIS, Tirunelveli	25.08.2018.
3.	Participated in the two Day national Workshop on 'Enhancing Writing Skills for Research'	Organized by Department of Library and Information Science & University Library, Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli	07& 08.09.2018.
4.	Participated in the two Day Workshop on 'Deep Learning Using Tensor Flow with Keras'	Association with leadingindia.ai at Kongunadu College of Engineering and Technology, Tirchy	14 & 15.09.2018.
5.	Participated in the One Day national Workshop on 'Deep Learning Using Tensor Flow'	Kongu Engineering College, Perundurai, Erode	29.09.2018.
6.	Participated in the One Day national Workshop on 'Machine Learning and Deep Learning Using Tensor Flow'	Organized by Post Graduate and Research Department of Computer Science at Sadakathullah Appa College(Autonomus), Rahmath Nagar, Tirunelveli.	21 february 2019
7.	Participated in the National Seminar about "Advanced Trends in Computer Science"	Organized by Post Graduate and Research Department of Computer Science at Sadakathullah Appa College(Autonomus), Rahmath Nagar, Tirunelveli.	22 Mar 2019
8.	Attended "Awareness training for Web of Science and Endnote"	M.S. University, Tirunelveli-12	26th September 2019.

9.	Participated in the One Day International Workshop on Machine Learning Using Python (IWML'19)	Organized by Research Department of Computer Science, KAMRAJ COLLEGE, Thoothukudi.	12th November 2019
10.	Completed Three Days Online Basic Optimization Technology Workshop	Organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India.	04 May, 2020 to 06 May, 2020
11.	Participated in the One Day Webinar on 'Deep Learning implementation'	Organized by Post Graduate and Research Department of Computer Science at Sadakathullah Appa College(Autonomus), Rahmath Nagar, Tirunelveli in collaboration with Gateway Software Solutions.	23 May 2020
12.	Participated in the Two Day Webinar on 'Quality Publication and Citation Metrics'	Organized by Department of English(SRCW), Sri Ramakrishna College of Arts and Science for Women.	18 and 19 June 2020
13.	Participated in the One Day Webinar on 'Machine Learning with Python'	Presented by Mr.R. Saravanakumar, Senior Software Developer, ICONIX Software Solution at JP College of Engineering, Tenkasi.	19 June 2020
14.	Participated in the One Day National Webinar on 'Research Indicator and Scholarly Publication'	Organized by Sri Sarada College of Education and Sri Sarada College for Women, Salem.	26 June 2020
15	Participated in the One Day E-Workshop on 'Administering Google Forms on its Add-ons for Online Academic Programmmes'	Organized by Central Library of M.V. Muthiah Government Arts College for Women, Dindugal, Tamilnadu	29 June 2020
16.	Participated in the One Day International Webinar on 'Research Experience on Digital Tools'	Organized by Department of Computer Science at Sarah Tacker College(Autonomus), Tirunelveli-7.	29 June 2020
17.	Participated in the Five Days Crash Course to build 'Neural Network from Sractch using Python'	Organized by Department of Computer Science and Information Technology, Wavoo Wajeeha Women's College of Arts and Science, Kayalpattanam on 26 June to 3 July 2020.	18 and 19 June 2020

18.	Participated in the five days National Level online Faculty Development Program on 'Data Handling and Data Visualization using Python	Organized by the Department of Computer Science and Engineering, Government College of Engineering	6 July to 10 July 2020
19.	Participated in One Day Webinar on "Story Telling with Data"	Organized by Department of Computer Science, Rani Anna Government College for Women.	04.06.2021
20.	Participated in One Day National Webinar on "Machine Learning and Artificial Intelligence"	Organized by Post Graduate and Research Department of Computer Science at Sadakathullah Appa College (Autonomous), Rahmath Nagar, Tirunelveli.	07.06.2021
21.	Participated in One Day State Level Webinar on "Practical Approaches to Integrate and Interact with IoT Devices"	Organized by Department of Computer Science (shift II) at St. Xavier's College (Autonomous), Palayamkottai.	28.06.2021
22.	Participated in One Day Webinar on "Machine Learning Methods and Applications in Research"	Department of Computer Science, Government Arts and Science College for Women (Autonomous), Pudukkottai.	6.07.2021
23.	Participated in National Level Online Short term Course on E-Content Development	Organized by Internal Quality Assurance Cell (iQAC) of Holy Cross College (Autonomous), Nagercoil and Obtained grade A+	01.07.2021 to 08.07.2021
24.	Participated in One Day National Webinar on "Research Trends in Machine Learning"	Organized by Department of Computer Science (shift II) at St. Xavier's College (Autonomous), Palayamkottai.	28.07.2021
25.	Participated in One Day Webinar on "Use of technology in Education"	organized by Department of Computer Science and Applications, Tagore College of Arts and Science, CLC Works Road, Chennai.	10.08.2021
26.	Attended the Research Seminar on "Assistive Technology"	organized by Department of Computer Science and Engineering and Technology, PSNA College for of Engineering and Technology, Dindigul.	1.10.2021
27.	Participated in One Day Hands on Workshop on "Reimaging with Machine Learning: The Future Realm"	Organized by Department of Computer Science, Rani Anna Government College for Women.	16.10.2021

28.	Participated in One Day online Workshop on "Python Programming"	Conducted by Iconix Software Solutions and organized by Department of Computer Science, Rani Anna Government College for Women.	20.10.2021
29.	Participated in National Webinar on "Light Weight Security for IOT Applications using Cellular Automata & AI Approach and Concepts"	Organized by Department of Computer Science Aditanar College of Arts and Science, Tiruchendur	8.12.2021

Date : 06.04.2023   **NAME**

Dr. T. Perumal Rani