PROFILE

Dr Heren Chellam G.

Assistant Professor

Rani Anna Government College for Women

Tirunelveli-627 008

Tamil Nadu

PERSONAL DETAILS

Date of Birth	:	24-06-1969
Qualification	:	M.C.A, M.Phil., B.Ed., Ph.D.
Designation	:	Assistant Professor
Department	:	Computer Science
Community	:	BC
Religion	:	Christian
Nationality	:	Indian
Email ID	:	hchellam@gmail.com

ACADEMIC QUALIFICATIONS				
Degree	**Specialization**	**College**	**University**	**Year of Passing**
B.Sc.	Chemistry	Nazareth Margoschis college,Nazareth	Madaurai Kamaraj University, Tirunelveli	April1989
M.C.A.	Computer Applications	Annamalai University, Chidambaram	AnnamalaiUniversity, Chidambaram	May 1992
B.Ed.	English	Annamalai University, Chidambaram	AnnamalaiUniversity, Chidambaram	May 1994
M.Phil.	Computer Science	Mother Teresa Women's University, Kodaikanal	Mother TeresaWomen's University, Kodaikanal	September 1999
Ph.D.	Computer Applications	Manonmaniam Sundaranar University, Tirunelveli	Manonmaniam Sundaranar University, Tirunelveli	August 2015

TEACHING EXPERIENCE	
Date of Appointment	26/12/2007
Date of Retirement	30/06/2029
Teaching Experience	29 years
Research	Artificial Neural Network, Image Processing, Deep Learning

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	To	Years
B.Sc. ComputerScience, MCA,PGDCA	Sarah Tucker college, Tirunelveli	02/8/1993	20/12/2007	14
B.Sc., M.Sc., M.Phil. Computer Science	Government Arts and science Colleges	26/12/2007	to till date	15

AWARDS RECEIVED	
1	Mother Theresa International Award - 2020 on 25/11/2020
2	Best Researcher Award 2016-17 on 08/03/2017
3	Best Social Worker Award 2012-13 on 19/04/2013

ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR
1	Chief Examiner	Government Arts college forWomen, Sivaganga	2008
2	NSS Programme Officer	Government Arts college forWomen, Sivaganga	2009-2010
3	BOS member	Alagappa University, Karaikudi	2010-2011
4	NSS Programme Officer	Kamarajar Government Artscollege, Surandai	2012-2014
5	Internet Browsing Centerat Library	Rani Anna Government College, Tirunelveli	From 2014
6	BOS member	Sarah tucker college, Tirunelveli	2019-2022
7	Co-ordinator, DFC 23, TNGASA-2020	Government Arts and scienceColleges	2020
8	BOS member	Manonmaiam Sundarnar University	2020- till date
9	Co-ordinator, TFC 49, TamilNadu Engineering Admission -2021	Government Engineering Colleges	2021
10	Subject expert - selection committee	K.R. Arts and science college, Kovilpatti.	2021
11	Selection committee - subject expert	Christopher Arts and sciencecollege, Nanguneri.	2021
12	Admission –TNGASA2022	Government Arts and scienceColleges	2022
13	BOS member	Saratha college	From 2022
14	NAAC coordinator	Rani Anna Government College	2017-22

MEMBERSHIP

S. No	Designation	Particulars
1	Advisory committee member	International conference, Sara Tucker College

	ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (6)		
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation	Bharthidasan University,Trichy	From 26-Dec-2007 to 24-an-2008
2	Refresher	Madurai Kamaraj University, Madurai	From 3-Dec-2009 to 23-Dec-2009
3	Refresher	Bharthidasan University, Trichy	From 13-Nov-2015 to 3-Dec-2015
4	Refresher	Bharathiar University,Coimbatore	From 17-Nov-2017 to 7-Dec-2017
5	FDP program on MOOCS	Teaching Learning Centre, Ramanujan College University of Delhi sponsored by MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING	From 20-Apr-2020 to 6-May-2020
6	FDP/Refresher program on MOOCS5.0	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING	From 11-May-2021 to 25-May-2021

DETAILS OF RESEARCH WORK		
Research Stages	**Title of the Thesis**	**University where theworkwas carried out**
Pursed	Pursed A New Approach to Neural Network Algorithm using Orthonormal Weight	Manonmaniam Sundaranar University

Guided

Name	**Title of the Thesis**	**University where thework was carried out**
1. K.S. Thirunavukarasu	Investigation on Fuzzy, Neural and Gradient BoostingClassifier Techniques for Disease Diagnosis	Manonmaniam Sundaranar University
2. Angel Blessie.Y	Biometric modeling progression in datascrutiny	Manonmaniam Sundaranar University
3. T. Perumal Rani.	An Efficient Deep Learning Algorithm for brain wavesignal classification.	Manonmaniam Sundaranar University

Ongoing

1. V.Roseline	Multimodality deep feature based stress detection throughsocial network	Manonmaniam Sundaranar University
2. P. J. Mercy	Denoising Medical Images using Deep ConvolutionalNeural Network	Manonmaniam Sundaranar University
3. Mahalekshmi A	A Novel Intelligent Techniques using DeepLearning	Manonmaniam Sundaranar University
4. M.Amala Jeyaseeli	Analysing the Social Sentimental Data using DeepLearning Approach	Manonmaniam Sundaranar University

AREAS OF RESEARCH
Artificial Neural Network, Image Processing, Deep Learning

RESEARCH PROJECTS CARRIED OUT			
S. No	**Title of the Project (Minor)**	**Name of the Funding Agency & Amount**	**Duration**
1	PERFORMANCE OF BIO-METRIC PATTERN RECOGNITION IN AADHAAR CARD	UGC - 1,65,000	Aug 2017 to July 2019

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS INDEXED	WEB OF SCIENCE	UGC LISTED
2		4	1	5
OTHER INDEXED & INTERNATIONAL JOURNAL	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	PATENT
8 + 12	2	13	17	

PUBLICATIONS: BOOKS (2)			
S. No	Title of the Book	ISBN Number	Year
1	Introduction to Big data	978-9395341-11-0	2023
2	Personality Development	978-81-90-76-47-2-7	2018

PUBLICATIONS: SCOPUS INDEXED JOURNALS (4) WEB OF SCIENCE (1)			
S. No	Title of the Paper	Name of theJournal	ISSN No., Volume, Issue, Impactfactor & Pg. No
1	A Novel Peak Signal Feature Segmentation Process for Epileptic Seizure Detection	International Journal of Information	ISSN No (2511-2104)
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 Issue: 8, pp. 996-1004
3	Analysis of sentimental images using deep learning approach	Journal of Mathematical and Computational Science	ISSN No (1927-5307), Volume 11;July 2021, pp. 5474-5486
4	Analysis of Customer Churn Prediction using Machine Learning and Deep Learning Algorithms	International Journal of Health Sciences	ISSN 2550-6978
5	A Novel Fusion Attention Algorithm For Setimental Image Analysis	Indian Journal Of Science And Technology (Web of Science)	ISSN No 0974-6846 Volume: 15, Issue: 9, Pages: 386-394

PUBLICATIONS: UGC LISTED JOURNALS (5)			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	A NOVEL TWINS FACE RECOGNITION USING PYTHON CODE IN MACHINE LEARNING	Purakala (UGC Care Journal)	Volume 31, Issue 12, Year 2020, Pages 288-294 ISSN:0971-2143
2	EPILEPTIC ELECTROENCEPHALOGRAM CLASSIFICATION USING MACHINE LEARNING ALGORITHMS	International Journal of computer Science and Engineering (UGC Care Journal)	Volume 6, Issue 9, Year 2018, Pages 36-41 ISSN:2347-2693
3	ROLE OF SENTIMENT ANALYSIS USING DEEP LEARNING	International Journal of Emerging Technologies and Innovative Research	Volume 6, Issue 2, Year 2019, Pages 116-122 ISSN:2349-5162
4	COMPARATIVE STUDY ON NOISE REMOVAL TECHNIQUES IN DIGITAL IMAGES	International Journal of Emerging Technologies and Innovative Research	Volume 6, Issue 2, Year 2019, Pages 422-427 ISSN:2349-5162
5	A NEW APPROACH FOR HEURISTIC ANALYSIS OF FACE IDENTIFICATION BETWEEN TWINS	Infokara Research	Volume 8, Issue 9, Year 2019, ISSN: 1021-9056

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg.No
	PUBLICATIONS: OTHER INDEXED JOURNALS (8) International: 12		
1	SENTIMENT CLASSIFICATION USING PS-POS EMBEDDING WITH BILSTMCRF AND ATTENTION	International Journal of Future Generation communication and Networking	Vol.13, N0. 4, Pages 3520–3526
2	EPITOMIC ANALYSIS FOR FACE RECOGNITION IN MACHINE LEARNING	International Journal of Future Generation communication and Networking	Volume 13, N0. 2, Pages 1325-1330
3	PS-POS EMBEDDING TARGET EXTRACTION USING CRF AND BILSTM	International Journalof Advanced Scienceand Technology	Volume 29, No. 3, Pages 10984 –10995
4	PERFORMANCE ANALYSIS OF TARGET DEPENDENT SENTIMENT ANALYSIS USING POSR EMBEDDING WITH LSTM AND CRF	TEST Engineering & Management	Volume 83, Year 2020, Pages 11808-11816
5	K-MEANS AND FUZZY C-MEANS CLUSTERING ON BRAIN WAVE SIGNAL	RAC Journal of Research	Volume 2, No.19, Year 2019, Pages 21-27
6	EVALUATION OF TRAGET DEPENDENT SENTIMENT USING LSTM AND BILSTM WITH CONDITIONAL RANDOM FIELDS	RAC Journal ofResearch	Volume 2, No.19, Year 2019, Pages 70-76
7	A STUDY ON WAVELET AND CURVEVLET TRANSFORMS FOR DENOISING MEDICAL IMAGES	RAC Journal ofResearch	Volume 2, No.19, Year 2019
8	A NOVEL HEURISTIC ANALYSIS OF FACE IDENTIFICATION AMIT TWINS	Journal of Emerging Technologies and Innovative Research	Volume 6, Issue 6 , Year 2019, Pages 72-75
9	SEGMENTATION AND CLASSIFICATION OF BRAIN TUMOR MRI IMAGES USING SUPPORT VECTOR MACHINE.	International Journalof Computer Sciences and Engineering	Volume 7, Special Issue-8, Year 2019, Pages 16-20

10	IMAGE FUSION USING PRINCIPAL COMPONENT ANALYSIS AND DISCRETE WAVELET TRANSFORM	International Journal of Computer Sciencesand Engineering	Volume 7, Special Issue-8, Year 2019, Pages 71-74
11	RECOGNITION OF FRUITS USING NEURAL CLASSIFICATION METHODS	International Journal of Computer Sciencesand Engineering	Volume 7, Special Issue-8, Year 2019, Pages 6-9
12	HIGH SENSITIVE APPROACH FOR GENDER DETECTION BASED ON HUMAN IRIS	International Journal Of Engineering Research In Computer ScienceAnd Engineering	Volume 5, Issue 3, Year 2018, Pages 244-248
13	IDENTIFICATION OF FINGERPRINT PATTERNS USING A ROBUST FEATURE EXTRACTION AND CLASSIFICATION METHOD	International Journal Of Engineering Research In Computer science And Engineering,	Volume 5,Issue 3, Year 2018, Pages 137-141
14	EPILEPTIC ELECTROENCEPHALOGRAM SIGNAL CLASSIFICATION USING AUTOENCODER	Journal SADAKATH – ARESEARCH BULLETIN	Volume V, Year 2018, Pages
15	A COMPARATIVE ANALYSIS OF DENOISING MRI IMAGES USING MRA TRANSFORMS	International Journal of Future Generation Communication and networking	Volume 13, No 4, 2020, 2233-7857
16	VIRTUAL STUDIES OFTWINS BY DIVERSE COMPUTATIONAL TECHNIQUES	International Journalof Trend in Researchand Development	Volume Special Issue|ICICT-17, Year 2017, Pages 12-14
17	A FAST CORRELATION FILTER BASED RADIENT BOOSTING CLASSIFIER FOR DISEASE DIAGNOSIS	International Journalof Advanced Research in Computer Science	Volume 8.7 , Year 2017,Pages 900-909
18	IDENTIFYING OPTIMAL NUMBER OF ORTHONORMALIZATION IN LEARNING ALGORITHM USING WEATHER FORECASTING	International Journalof Engineering science &research Technology	Volume 5(8), Year 2016, Pages 996-1003

19	AN EFFICIENT TRANSFER LEARNING BASED DEEP LEARNING APPROACH FOR AUTOMATIC CLASSIFICATION OF EPILEPTIC SEIZURE	Computer Science Design Engineering (Tornoto)	Issue: 8, pp. 1005-1013 2021 0011-9342
20	AUTOMATIC NOISE IDENTIFICATION IN MEDICAL IMAGES USING MACHINE LEARNING APPROACH	Neuro quantology	volume20, issue 19, 2022.

AS A RESOURCE PERSON (2)			
S. No	Name of the Event	of the SponsoringAgency	Place and Date
1	Association Inauguration, Department of Computer Science	SadakathullahAppa College	Sadakathullah Appa College , Tirunelveli, 25/8/22
2	Association Inauguration, Department of Computer.	Sarah Tucker college	Sarah Tucker college, Tirunelveli, 14/9/22

S. No	Name of the Event	Title of the Paper	Place and Date
	WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP **PAPER PRESENTED: National (1) International (12)**		
1	*International Conference* on Advancen science in engineering	Analysis of customer churn prediction using machine learning and Deep learning algorithms	A.P.C.MahalakmiCollege for Women 24th & 25th march 2022
2	*International Conference* on Resent Trends in Multidisciplinary Research	Image Segmentation using Haar Wavlet and image transform	A.P.C.MahalakmiCollege for Women 27th & 28th march 2020
3	*International Conference* on Resent Trends in Multidisciplinary Research	Image Enhancement using Histogram Equalization and clahe technique	A.P.C.MahalakmiCollege for Women 27th & 28th march 2020
4	*International Conference* on Soft computing and Optimising Techniques	Performance analysis of target dependent sentiment using LSTM and BILSTM with Conditional Random fields	Kamaraj Collge,Tuticorin 9th&10th Aug2019
5	*International Conference* on Soft computing and Optimising Techniques	An Empirical analysis on denoising biomedical images using the wavelet, contourlet and curvelet MRA transforms	Kamaraj Collge,Tuticorin, 9th&10th Aug2019
6	*International Conference* on Soft computing and Optimising Techniques	Performance of classification and clustering using K-Means and SVM Algorithms	Kamaraj Collge,Tuticorin, 9th&10th Aug2019
7	*International Conference* on Recent Trends in Advanced Computing and its Applications	Performance of Deep Neural Network and Gradient Boosting methods on brain wave signals	Sri Saratha College for Women 23rd Feb 2019
8	*International Conference* on Resent Trends in Multidisciplinary Research	Comparative study on Noise Removal techniques in Digital Images	A.P.C.MahalakmiCollege for Women 21st Dec 2018
9	*International Conference* on Resent Trends in Multidisciplinary Research	Role of Sentiment Analysis Using Deep Learning	A.P.C.MahalakmiCollege for Women 21st Dec 2018
10	*International Conference* on Computation Science and its Applications(ICCSA-2018)	Identification of Finger print patterns using Robust feature Extraction and classification	Ramasamy Naidu Memorial College 16th March2018
11	*International Conference* on Computation Science and its Applications(ICCSA-2018)	A high sensitive Approach for Gender Detection based on Human IRIS	Ramasamy Naidu Memorial College 16th March2018
12	*National Conference* on ComputationalIntelligence,	Epileptic Electroencephalogram Signal classification using autoencoder	Sadakathula AppaCollege Feb 2018.
13	*International Conference* on IntelligentComputing Techniques (ICICT'17)	Virtual studies of Twins by diverse computational Techniques	Sarah Tucker College 1st September 2017

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED: 17		
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Place and Date**
1	New Directions and Dimensions in Higher Education	Internal Quality Assurance Cell Arulmigu Palaniandavararts college for women, Dindugul	9/06/2020 to 15/06/2020
2	Managing Online Classesand Co-Creating Moocs	MHRD PanditMadan Mohan Malaviya National Mission on Teachersand Teaching	April 20 - May 06 , 2020
3	Internet of Things	Sarah Tucker College Department of Computer Science, Tirunelveli	18 June & 19 June 2020
4	Design, Develop and Deliver Online courses through MOODLE platform	Tamil Nadu State Council for Higher Education with Technical support of DOTE	May 29 & 30, 2020
5	IT Security Posture of an Organization and its Importance	Department of Computer Science, Queen Mary's College, Chennai	13 June 2020
6	Is Big Data a Futuristic Saviour	Quaid-E-Millath Government College forWomen Department of Computer Science, Chennai	19th June, 2020
7	Wavelets in Image Processing	Sarah Tucker College Department of Computer Science, Tirunelveli	23 June 2020
8	Exploring E - Learning Technologies	Annai Hajira Women'sCollege Department of Computer Science, Tirunelveli	3rd June 2020
9	"Moodle LMS" Install, create class, Add contentand Enroll students.	Department of Physics, Ethiraj College for Women Chennai	28th May 2020
10	A Compendium ofResearch Tools	Department of Computer Science, St. Mary's College, Chennai	9th June 2020
11	Training on Photoshop for Beginners	Sarah Tucker College Department of Computer Science, Tirunelveli	22/06/2020

12	Image Analytics and Processing	V.O.Chidambaram College Department of Computer Science, Thoothukudi	25/05/2020
13	Research Issues in Digital Image Processing webinar	Government Arts & Science College, Kovilpatti Department of Computer Science	05/06/2020
14	Research Indicator and Scholarly Publication	Sri Sarada College of education and Sri Sarada College for Women, Salem	26/06/2020
15	Academic Process, Measures and Metrics ofTEL for NAAC-RAF	Internal Quality Assurance Cell of V.O.C College of Education, Thoothukudi	8th June to 12th June 2020
16	E-Learning & E-Content Development	Internal Quality Assurance Cell of V.O.C College of Education, Thoothukudi	6th July to 10th July 2020
17	Stress Management	Department of management and Research AVS College of Arts & Science, Salem	13/04/2020 to 17/04/2020

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ORGANIZED: 2		
S. No	Title	Date
1	International Seminar on technology Today and tomorrow	02/08/2017
2	Workshop on Python Programming	22/10/2021

COUNTRIES VISITED		
S. No	Country Name	Date
1	Mauritius	10/ 05/2019 to 20/05/2019

Date : 01/04/2023   NAME : Dr Heren Chellam