

RESUME



Name : DR.T.C.Rajakumar
Designation : Associate Professor & HOD
Department : Computer Science
Address : No. 3, K.M.A Nagar, Perumalpuram, Tirunelveli-627 007

PERSONAL DETAILS

Date of Birth : 15-05-1972
Qualification : M.Sc.,M.Phil.,NET.,Ph.D.
Designation : Associate Professor
Department : Compute Science
Community : BC
Religion : Christian
Nationality : Indian
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ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B.Sc	Computer Science	NMCC,Martandam	M.K.University	1992

M.Sc	Computer Science	K.M.College, Adirampattanam	Bharathidasan University	1994
M.Phil	Compute Science	Alagappa University, Karaikkudi	Alagappa University	1995
NET	Computer Science	UGC	UGC	1998
Ph.D	Computer Scienece	M.S.University, Tirunelveli	M.S.University, Tirunelveli	2013

ACADEMIC IDENTITY

*VIDWAN ID	290456
*ORCID ID	0000-0003-2671-2084
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	GPX-3062-2022
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=ZDkBY7MAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	01-02-2001
Date of Retirement	31-05-2030
Teaching Experience	UG 22 Years
	PG 15 Years
	M.Phil. 10 Years
Research	Guided M Phil: 15 Guided Ph D:2 Guiding Ph.D Scholar: 5

COURSES/CLAS SES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.Sc, M.Sc and MCA	Madurai Kamaraj University College, Madurai-2	02-08-1995	31-01-2001	5
B.Sc	St.Xavier's College, Palayamkottai, Tiruneveli-2	01-02-2001	Till date	21

AWARDS RECEIVED**ADMINISTRATIVE EXPERIENCE**

S. No	DESIGNATION	INSTITUTIONS	YEAR
1	YRC, Programme	St.Xavier's College, Palayamkottai	2006-10
2	NSS Programme Officer	St.Xavier's College, Palayamkottai.	2013-16

MEMBERSHIP

S. No	Designation	Particulars
1.	Member	IEEE

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ()

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Program	UGC	Bharathidasan University, Trichy, 17-5-2003 to 13-06-2003
2	Refresher Course	UGC	Bharathidasan University, Trichy, 20-9-2006 to 10-10-2006
3	Refresher Course	UGC	Bharathiar University, Coimbatore, 20-11-2007 to 10-12-2007
4	Refresher Course	UGC	Bharathiar University, Coimbatore, 15-09-2010 to 5-10-2010

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Completed	Filtering Approach Using Fuzzy Logic on Histogram Specification for Image Enhancement	M.S.Univeristy, Tirunelveli.

AREAS OF RESEARCH

Fuzzy Logic in Digital Image Processing

Data Mining

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

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

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year

BOOK CHAPTERS ()			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Edge Enhancement using Pixel based image Fusion	Computational Intelligence and Computing Research	23219653, 26-34

PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Automated Digital Image Clustering Algorithm Based on Colour Distance and IDBSCAN	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Vol.9, Issue: 2.

2	A Novel Approach to Perform ECG Signal Identification and Segmentation Based On Pan- Tompkins And Hamilton-Tompkins Algorithm	International Journal of Pharmaceutical Research	Vol. 13, Issue: 1, ISSN 0975-2366
3	Heart Beat Peak detection using signal filtering in ECG data	International Journal of Advanced Technology and Engineering Exploration	Vol.6, Issue: 50, ISSN(Print):2394-5443 ISSN(Online): 2394-7454

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	A Novel Density Based Clustering Algorithm by Incorporating Mahalanobis Distance.	International Journal of Intelligent Engineering and Systems	ISSN:2185-3118, Vol.11, Issue: 3.
2	Feature Extraction and Classification of Segmented ECG Signals Based on Radial Basis Function and Random Forest Methodology	International Journal on Cybernetics & Informatics (IJCI)	Vol. 10, No.1/2, ISSN :2277-548(Online);2320-8430(Print)

PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg.No
1	Edge Enhancement using an Adaptive Fuzzy Logic	Journal of Information Technology	Vol. IV., No. 3, pp 50-56, ISSN: 0973-2896, Sep. 2008
2	Image Denoising Multi-wavelet and Threshold	IEEE Xplore	Vol.2, No.1, Dec. 2008.
3	An Adaptive Fuzzy-Based Modeling for Contrast Stretching	Journal of Computer Science	Vol. IV, No. 2, ISSN: 0973-9904, pp , April 2010.
4	A Fuzzy Filtering Model for Contour Detection	ICTACT Journal on Soft Computing	Vol.1, No.4, ISSN 0976-6561, April. 2011.
5	Fuzzy Based Filtering Approach on Histogram Specification for Fingerprint Image Enhancement	International Journal of Computer Applications	ISSN: 0975-8887, June, 2011.
6	Fuzzy Based Contrast Stretching for Medical Image Enhancement	ICTACT Journal on Soft Computing, Fuzzy Industrial and Process Automation,	Vol.2, No.1, ISSN: 0976-6561, July 2011.
7	Fuzzy_based Histogram Modeling for Fingerprint Image Binarization	International Journal of Research and Reviews in Computer Science,	Vol.2, No.5, ISSN: 2079-2557, Oct, 2011

8	Histogram Binarization Method for Fingerprint Image Enhancement	International Journal of Advanced Computer Engineering	Vol.4, No.3, ISSN: 0974-5785, Dec. 2011.
9	Contour Enhancement for Digital Images with Fuzzy Reasoning Inference Approach	International Journal of Graphics and Image Processing	Vol.3, No.3, Aug. 2013
10	Recursive Antihub2 Outlier Detectin In High Dimensional Data	Global Journal of Advanced Research	Vol. 2, Issue 8, PP 1269-1274, ISSN: 2394-5788, August, 2015.
11	Contour Enhancement for Digital Images based on Fuzzy Reasoning Approach	International Journal of Graphics and Image Processing	Vol. 3, No. 3, pp 200-202,2013.
12	Contrast Stretching on Fuzzy Histogram Flattening for Digital Image Enhancement	International Journal of Computing	Vol. 3, No. 4, pp 281-284, 2013
13	Enhancing handwritten Document Image using Fuzzy Technique	International Journal for Research in Applied Science and Engineering Technology IJRASET	Vol-5, issue-6, June,pp. 1546-1548, ISSN: 2321-9653, 2017
14	Contour Enhancement for Digital Images based on Fuzzy Reasoning Approach	International Journal of Graphics and Image Processing	ISSN: 2249-5452
15	Contrast A Stretching on Fuzzy Histogram Flattening for Digital Image Enhancement	International Journal of Computing	ISSN:2231-2153
16	Recursive Antihub Outlier Detection in High Dimensional Data	Global Journal of Advanced Research	ISSN:2394-5788
17	Enhancing handwritten Document Image using Fuzzy Technique	International Journal for Research in Applied Science and Engineering Technology	ISSN:321-9653
18	Survey on Facial Recognition and Approaches	International Journal of Innovative Research in Computer and Communication Engineering	ISSN:2329-9798
19	Classifying Tamil Audio Signals According To Speakers Using Combined MFCC and LPC Method	International Journal of Engineering Research in Computer Science and Engineering	Volume 5, Issue 3, March 2018, ISSN 2394-2320
20	Twinned Text Clustering Algorithm Based on IDBSCAN and ConceptNet for Effective Green Communication	Journal of Green Engineering	ISSN: 2245-4586, Vol.10, Issue: 9.

AS A RESOURCE PERSON (26)

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

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National () International ()**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	National Conference	UGC	Govt. Engineering College, Salem. 25 th Mar. 2008.
2	National Conference on Network Security	UGC	S.T.Hindu College, Nagercoil. 26 th , Sep. 2008.
3	National Conference	UGC	Periyar University, 20 & 21 th , Oct. 2008.
4	International Conference on Quantitative Methods Operations and IT	UGC	Hydrabad, 24 th , Oct. 2008.
5	International Conference on Computing, Communication and Networking	UGC	Karur, 18 th , Dec. 2008
6	International Conference on Semantic E-Business and Enterprise Computing	Kingston University, London	Tiruchirapalli, 4 th Nov. 2009
7	International Conference on Computational Intelligence and Computing Research	UGC	Coimbatore, 28 th Dec. 2010.
8	Virtual Intelligence Conference on Innovation Computational Intelligence	UGC	Tirunelveli, 2021
9	Computational Science and its Applications	UGC	16 th Mar., 2018

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
ATTENDED:**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Grid Computing with Mathematica	IRFR	M.S.University, 9 th Jan., 2007.
2	Image Processing with IDL Programming	UGC	M.S.University, 17-21 Jan., 2008.
3	IDL Programming	UGC	SXC, 22,23 Feb, 2008.
4	Network Security	UGC	STH College,

			Nagercoil, 25, 26 Sep, 2008
5	Next Generation Wireless Technology	IETE	Trivandrum, 27 th Feb, 2010.
6	Tamilnadu Science Forum	UGC	M.S.University, 21-23 May, 2011.
7	Cloud Computing	IETE	District Science Centre, Tirunelveli, 22 nd Jan., 2011
8	Recent Trends in Computer Algorithms	UGC	SXC, 13 & 14, March, 2013
9	Workshop on WEKA	UGC	13 and 14 th Sep, 2013
10	Cloud Computing	UGC	24 th Jan.,2014
11	Workshop on E-GOVERNANCE	NSS Cell,M.S.University	21 st , Jan., 2014
12	Workshop on Matlab	UGC	27 th Aug.,2014
13	Recent Dimensions of Image Processing	UGC	9 th Jan., 2015
	Digital Image Processing using PSO	UGC	SXC,18 th Sep., 2015
14	National Conference on “Big Data Analytics”	UGC	SXC,26 th Feb, 2016
15	Workshop on IoT	IETE	3 rd , Aug., 2019
16	Redefining Education System with Technology During Covid-19		GJAS College, Tuticorin, 20 th April, 2020.
17	Social Responsibility of Educationalist Covid.	UGC	SRM Institute of Science and Technology, Chennai-89, 22 nd of April, 2020.
18	Faculty Development Programme,	AICTE	IIT, Mumbai, 30-04-2020 to 05-05-2020.

COUNTRIES VISITED

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

YRC Zonal Level Training Camp, M.S.University,Tirunelveli. 28-30, Jan. 2004.

YRC Zonal Level Seminar, M.S.University, Tirunelveli., 18 th Sep.2007.
NSS Programme Officers Training, M.S.University, Tirunelveli., 21 st Jan., 2014.
NSS Programme Officers Training, M.S.University, Tirunelveli., 21 st Jan., 2015.
NSS ProgrammeOfficers Training, M.S.University, Tirunelveli., 25 th Feb., 2016.

Date: 17-08-2022

Name: DR. T. C. Rajakumar