RESUME

Name: S Niraja P Rayen
Designation: Assistant Professor
Department: Computer Science
Address
A-54/1A, Third Main Road, Maharaja Nagar, Tirunelveli.

PERSONAL DETAILS

Date of Birth   : 20.10.1982

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

Designation   : Assistant Professor

Department   : Computer Science (Shift – II)

Community   : MBC-Paravar

Religion   : RC

Nationality   : Indian

Mobile   : 9486891167

Email ID   : nirajarayen@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B.Sc	Computer Science	GovindammalAditanarCollege for Women, Tiruchendur	M S University	2003

MCA	Computer Applications	Fatima College, Madurai	M K University	2006
M.phil	Computer Applications		M S University	2014
Ph.D	Computer Applications		M S University	2023

ACADEMIC IDENTITY	
*VIDWAN ID	https://vidwan.inflibnet.ac.in/profile/406383
*ORCID ID	https://orcid.org/0000-0003-1976-779X
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	

TEACHING EXPERIENCE	
Date of Appointment	19.06.2023
Date of Retirement	
Teaching Experience	UG 5 years
	PG 7 years
	M.Phil. 3 years
Research	Guided M Phil:1 Guided Ph D: - Guiding Ph Scholar: -

DCOURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	To	Years
MCA	Arul Anandar College, Madurai	18.06.2009	20.10.2011	2.4 years
Diploma in Computer Science & Networking	St.Xavier's Polytechnic College, Seidunganallur	10.12.2011	02.06.2015	3.5 years
Computer Science (UG & PG, Mphil)	St.Xavier's College, Palayamkottai	17.06.2015	31.05.2018	3 years
MCA	Francis Xavier Engineering College, Tirunelveli	18.06.2018	22.10.2019	1.4 years
Computer Science (UG & PG)	St.Xavier's College, Palayamkottai	19.06.2023	Till date	

AWARDS RECEIVED	
1.	Awarded as Best Research Paper in International Conference on ICRTMDR-18 held at A.P.C Mahalaxmi College for Women, Thoothukudi.
2.	Awarded as Best Research Paper in National Conference on FRPCSIT -2K17 held at Arul Anandar College, Karumathur, Madurai.

ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP

S. No	Designation	Particulars
1.		
2.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE( )

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Faculty Empowerment Programme-01	IQAC, St.Xavier's College	St.Xavier's College, Palaymkottai. 22-07-2023
2	Orientation Programme for Teachers	IQAC, St.Xavier's College	St.Xavier's College, Palaymkottai. 16-06-2023 to 17-06-23
3	Faculty Induction Programme	Higher Education Commission, Jesuit Madurai Province	Sacred Heart College, Shembaganur 09-06-23 to 11-06-23

4	LaTex	National Mission on Education through ICT, MHRD	KarpagaVinayaga College of Engineering & Technology, 25-05-2020 to 31-05-2020
5	PYTHON 3.4.3	Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching	Pragati Engg College, 08-06-2020 to 13-06- 2020
6	Machine Learning In Research Perspective	St.Joseph Group of Institution,	St.Joseph's Institute of Technology, 18-07-2020 to 22-07-2020
7	Promoting Critical Thinking & Research Paper Writing for Teachers	Institution's Innovation Council	MITS,03-08-2020 to 05-08-2020
8	Data Science using Python	AICTE	Shri Vishnu EnggCollege for Women, 07-12-2020 to 19-12-2020
9	Hands on Training on Cyber Forensics	AICTE& C-DAC	Francis Xavier Engg College, Tirunelveli. 30-08-2018 to 31-08-2018
10	Millennium Psychology of Students	IQAC, St.Xavier's College	St.Xavier's College, Palaymkottai. 14-06-2016 to 15-06-2016
11	J2EE and Best Practices in Application Development	ICT Academy of Tamilnadu	Kamaraj University, Madurai. 28.08.2009

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Completed	An optimized feature-based framework for glaucoma detection in fundus image of the eye	M S University, Tirunelveli.
Completed	Performance analysis on retinal hemorrhage detection in fundus eye image.	M S University, Tirunelveli.

AREAS OF RESEARCH

Image processing
Machine Learning

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
		2		
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
1		5		

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

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	A Novel Visual saliency Thresholding Method for Accurate ROI Segmentation in Optic Disc from FEIs for Glaucoma detection	International Journal of Computing and Digital Systems	2210-142X,vol. 11, Issue.3, pp. 477-489.

2	Automated Glaucoma Detection from Fundus Eye Images Using Grey Level based Feature Extraction Methods and Supervised Learning Classification	Turkish Online Journal of Qualitative Inquiry	1309-6591 vol. 12, Issue. 3, pp. 2987-3008

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No
1	A Survey on Optic Disc Detection and Segmentation Techniques	Journal of Emerging Technologies and Innovative Research	2349-5162, vol-6, Issue.2, pp.258-263
2	Smart Blind Stick using LDR and Ultrasonic Sensor	International Journal of Advanced Research in Basic Engg Science & Technology	2456-5717, vol.4, No.11,online No.40064960

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	International Conference on Networks, Image and Security	AICTE	Noorul Islam Centre for Higher Education,Thuckalay. 10-04-2019 to11-04-2019
2	International Conference on Recent Trends and Challenges in Healthcare Informatics	AICTE	KonguEngg College, Perundurai 12-12-2019 to 13-12-2019
3	International Conference on Recent Trends in Multi-Disciplinary Research	IFERP	A.P.C Mahalakshmi College for Women,Thoothukudi. 20-12-2018 to 20-12-2018
4	National Conference on Future Research Perspectives in Computer Science and Information Technology	Dept of CS & MCA Arul Anandar College, Madurai.	Arul Anandar College, Madurai. 21-02-2017 to 22-02-2017
5	National Conference on Emerging Trends in Software Technologies	Dept of CS Arul Anandar College, Madurai.	Arul Anandar College, Madurai. 10-03-2011 to 11-03-2011
6	National Conference on Advanced Computing	PG & Research Dept of CS, Jamal Mohamed College, Trichy	Jamal Mohamed College, Trichy. 24-03-2010

WEBINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Webinar on Academic Publishing Ranking and its Insights	Dept of CSE, FX Engg College	FX Engg College, Tirunelveli. 12-05-2020
2	Webinar on Tools for Making your Thesis Complete	AICTE	Usha Rama College of Engg and Technology, AP 07-06-2020
3	National Webinar on Developing JSF Web Applications with Hibernate - A Hands on Approach	Dept of CS, Bishop Heber College	Bishop Heber College, Trichy. 06-06-2020
4	National Webinar on Research Methodology	Loyola College.	Loyola College, Chennai. 12-06-2020 to 13-06-2020
5	International Webinar Recent Trends in Brain Computer Interface	Department of Software Engineering,	SRM Institute of Science and

	with Machine Learning Techniques	SRM Institute of Science and Technology.	Technology, Chennai. 09-10-2020 to 10-10-2020
6	National Level Webinar on Research Articles Writing and Journal Publications in Scopus and SCI Journals	Dept of CS, Sri Krishna Adithya College of Arts and Science	Sri Krishna Adithya College of Arts and Science, Coimbatore 16-02-2021
7	International Webinar on Recent Advancements in Machine Learning	Dept of CS and MCA Arul Anandar College, Madurai	Arul Anandar College, Madurai. 18-03-2021 to 19-03-2021
8	Seminar on Recent Research Trends in Computer Science	Dept of CSE, MS University	MS University, Tirunelveli, 08-10-2021
9	National Seminar on Recent Trends & Research Directions of Deep Learning in Natural Programming Languages	CIIL	National Engg College, Kovilpatti. 29-01-2020 to 30-01-2020
10	International Seminar on Recent Trends in Computing Technologies	Dept of CS & IT, WavooWajeeha Women's College.	WavooWajeeha Women's College. Kayapatnam, 22-08-2019
11	Seminar on Psychology of Students	IQAC, St.Xavier's College	St.Xavier's College, Palayamkottai, 30-09-2016
12	National Conference on Machine Learning	UGC	St.Xavier's College, Palayamkottai, 13-03-2019
13	National Conference on Recent Trends in Data Mining	UGC	St.Xavier's College, Palayamkottai, 09-02-2017
14	National Conference on Big Data Analytics	UGC	St.Xavier's College, Palayamkottai, 26-02-2016
15	National Conference on Data Mining and its Applications	UGC-TNSCST	Arul Anandar College, Madurai. 09-12-2009 to 10-12-2009.
16	Workshop on Aspect of Higher Education	IQAC, St.Xavier's College	St.Xavier's College, Palayamkottai, 15-06-2023
17	Online Workshop on Patent Awareness	IQAC, NICHE	NICHE, Kumarcoil 21-04-2021
18	Workshop on AI in Computer Vision	IIC	SRM Institute of Science and

			Technology,Chennai. 16-09-2021 to 17-09-2021
19	Workshop on Impact of IoT in Cyber Crime & Cyber Forensics	Dept of CSE, MS University	MS University, Tirunelveli, 11-11-2019
20	Workshop on Automated Software Testing Tools	Dept of MCA, Mepco Schlenk Engg College.	Mepco Schlenk Engg College, Sivakasi 18-07-2019 to 20-07-2019.
21	Workshop on Art of Writing Funding Proposals and Research Articles	ICT	Kings Engg College, Chennai. 17-11-2017
22	Workshop on Digital Image Processing using PSO	Dept of CS, St.Xavier's College	St.Xavier's College, Palayamkottai, 18-09-2015
23	Workshop on Software Testing	Dept of Computer Science, Arul Anandar College, Madurai	Arul Anandar College, Madurai. 12-03-2010

COUNTRIES VISITED			

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

Date: 23.07.2023   **Name: S. Niraja P Rayen**