BIO-DATA

1. Name	Dr.R.Radha
2. Designation	Associate Professor
3. Department	Research department of Computer Science
4. Qualification	M.C.A, M.Phil, Ph.D
5. College with Address	Department of Computer Science S.D.N.B.Vaishnav College for Women (Autonoumous),Chromepet, Chennai – 44 Ph (044) 22655450
6. Nature of Service	Regular
7. Date of Birth	20.06.1967
8. Nationality	Indian
9. Address (Residential)	Door No: (old : 12, New:15), Plot No:2 2nd Cross Street, Subbaraya Nagar West, Thiruneermalai Road, Chromepet, Chennai-44
10. Area of Specialization	Data Mining, Image Processing
11. Ph.D . Guideship Number	No.D2/PhD Guide Recogn/2012/2620 dated 12thsep 2012
12 Email id	Personal : radhasundar1993@gmail.com Official : radha.r@sdnbvc.edu.in
13 Academic id Orcid id Google schoar id Scopus id Researcher id	 0000-0002-7973-3850 AFGVRocAAAAJ 57205551836 AAC-2958-2021

13.Academic Qualifications:

Division / Exam Passed	Board/ University	Subject	Year	Class
B.Sc	Bharathiyar University	Physics	1988	I
M.C.A	Bharathiyar University	Computer Applications	1991	I
UGC – NET	UGC	Computer Science	1996	Lecturership
M.Phil	Mother Theresa Women University	Computer Science	2002	Highly Commendable & I class

Ph.D	Mother Theresa Women University	Computer Science	Sept 2009	-

14. Teaching Experience:

Date of Entry into Teaching service : 1.06.1992

Date of Entry into Tamilnadu Government Collegiate Educational Service : 27.06.1996

Courses Taught	**Name of University/ College/ Institution**	**Duration**
B.Sc(CSC), MCA	Alamelu Angappan College, Salem	1992-1993
B.Sc(CSC), M.Sc(CSC), MCA	Maharaja college for women, Perundurai	1994-1996
B.Sc (Computer Science) (Aided)	SDNB Vaishnav College for Women, Chromepet, Chennai-44	June 1996 - till date
M.Sc (Information Technology) (Self-Finance)	do	2000 - 2011

Total Teaching Experience :

a) Under Graduate : 3 (Self-Finance) + 25yrs(Regular)
b) Post Graduate : 3 (Self-Finance) + 11 yrs
c) Research : 12 yrs

15. Research Work:

Research Stage	**Title of work / Thesis**	**University where the work was carried out**
Ph.D Completed in 2009	Fuzzy Based Data Mining for Effective Decision Support in Bio-Medical Applications	Mother Teresa Women University, Kodaikanal

16. Research Project Carried out:

Title of the Project	Name of the Funding Agency	Duration	Amount in Rs.	Remarks
Wage Differentials and Discrimination by Gender : A study of College Teachers in the City of Chennai	Malcolm Elizabeth Adishesia trust (MIDS)	I year	30,000	2007-2008 Co-Investigator Minor research Project
Performance analysis of text information extraction methods from images	UGC	18 months	1,10,000	Co-Investigator completed (2011-2013) Minor research Project

17. Improvement of Professional Competence:

a) Participation in Orientation / Refresher Courses

S.No	Name of the Course	University	Period	Year
1	Orientation	ASC- University of Madras	28 days	Dec 1998
2	Refresher Course	ASC- Bharathiyar University	21 days	Oct 2002
3	Refresher Course	ASC- Bharathiyar University	21 days	Oct 2003
4	Refresher Course	ASC- Pondichery University	21 days	Feb 2006

b) Participation in Workshops/FDPs:

S.No	Name of the Workshop /FDPs	Name of the Sponsoring Agency	Place	Date
1.	Workshop on "Public Appraisal for Doctoral Degree Programme"	Mother Theresa Women University	Madurai	2nd& 3rd Dec 2004
2.	National conference on "computer science and informatics"	UGC	ST.Joseph's college, Thiruchirapalli	18th&Feb 19th 2005
3.	State level conference INNOV-08	SRM University	SRM College, Kattankulathur	30/ 3/ 2008
4.	Workshop on "J2EE and Best Practices in Application Development"	ICT Academy of Tamil Nadu - sponsored by Cognizant Technology & Tata Consultancy Services	ICT Academy - Perungudi	19th and 20th Nov 2009
5.	Workshop on "Essentials of .NET"	ICT Academy of Tamil Nadu sponsored by Microsoft Corporation	ICT Academy - Perungudi	1st and 2nd of February 2010
6	Workshop on "ETV/e-content production"	Educational Multimedia Research Centre-Anna university, Chennai-sponsored by UGC	Anna University	29th and 30th January 2010

S.No	Name of the Workshop /FDPs	Name of the Sponsoring Agency	Place	Date
7	Workshop on "Essentials of C#"	Faculty development programme by ICT Academy of Tamil Nadu - sponsored by	ICT Academy-Perungudi	22nd and 23rd of March 2010

		Microsoft corporation		
8	FDP Program by (10 days program) on "LAMP Programming"	iByteCode Training Solutions	SDNB Vaishnav College for women, Chromepet	10/ 11/ 2010 to 20/11/2010
9	Workshop on "Text formatting with Latex"	UGC	SDNB Vaishnav College for women, Chromepet	(26/2/2011 & 27/2/2011) Organized by dept of Computer Science and dept of Mathematics
10	Workshop on "Research Tools in Scientific Computing"	SDNB Vaishnav College for women, Chromepet	SDNB Vaishnav College for women, Chromepet	18/11/2011 & 19/11/2011
11	FDP on "Cloud Infrastructure and Services"	EMC Education Services and ICTAcademy	ICTACADEMY	1/2/2014 to 8/2/2014
12	FDP on " use of AWS service	ICTACADEMY in collaboration with AWS service	ICTACADEMY	13/7/2017
13	FDP on "Database programming with PL/SQL"	ICTACADEMY in collaboration with ORACLE corporation	Vel's University	30/1/2017 to 3/2/2017
14	FDP on " short term course MOOC"	HRDC-UGC, UNIVERSITY OF MADRAS	UNIVERSITY OF MADRAS	1/8/2018 to 7/8/2018
15	webinar on "Change is the essence of life"	ICT Academy Skycampus- a webiner by IPS officer Mrs. Bharathi baskar	Webinar	25/5/2020

S.No	Name of the Workshop /FDPs	Name of the Sponsoring Agency	Place	Date
16	**Webinar on** "Work life balance with work from home as the new normal"	ICT Academy Skycampus- a webiner by IPS officer Mrs. Bharathi baskar	**webinar**	**21/5/2020**
17	**FDP on** "Video Content Creation"	IQAC marian College, Kuttikkanam	**online**	**22/3/2020 to 24/3/2020**
18	**FDP on** "Outcome Based Education"	School of Computing,Sat yabama Institute of Science and Technology, chennai	**online**	7/5/2020, 8/5/2020, 9/5/2020 (3 days)
19	**FDP on** "Basic of Python"	Alagappa University	**Online**	11/5/2020 to 17/5/2020 (5 days)
20	**Webinar on** "steps taken by higher education-MHRD during COVID19"	MHRD - twitter	**Online**	11/5/2020
21	**FDP on** "Fundamentals of Machine Learning"	ICTACADEMY	**online**	18/05/2020 to 23/05/2020 (6 days)
22	**FDP on** "R Programming"	Indo Global Group of Colleges, New Chandigarh and Spoken Tutorial, IIT Bombay from	**online**	27/4/2020 to 1/5/2020 (5 days)

		27th April to 1st May 2020		
23	**FDP on "**App Development with Android"	E & ICT Academy, IIT Kanpur	**Online**	(6 days) 7/6/2021 to 12/6/2021
24	**FDP on "**Android Development with Kotlin (Online Live FDP)"	ICT Academy, Chennai	**Online**	(5 days) 26/7/2021 to 30/7/2021
25	FDP On-"Website Development using WordPress"	E & ICT Academy, IIT Kanpur	**Online**	(6 days) (19-July-21 To 24-July-21)

18. Research Contribution :(List enclosed in Annexure I)

Course	Registered	Completed so far
Ph.D	9	4

19. Additional Information

b) Related to Academic

1. Developed and supported college pay roll from 1996.
2. Served as College Union Vice-President in the academic year 2005-2006
3. IQAC co-ordinator in the year 2008-2010
4. Fine arts Convener in the year 2010-2011
5. Autonomous Exam Camp Chief officer 2011-2012
6. Question Paper setter: Pondicherry, Periyar University and various autonomous colleges
7. Appointed as Member of Inspection commission several times to grant fresh/ continuous of affiliation for UG courses in Computer Science for various colleges by the University of Madras
8. Appointed as University Nominee for the Board of Studies of Colleges DG Vaishnav College for Women and Dr.Ambedkar Govt. Arts and Science College.
9. Chief Examiner in Central Valuation camp of University of Madras from 2003 onwards.
10. M.Phil dissertation external evaluation – Bharathiyar university
11. Co-ordinating E-EDU-Govern- computer literacy programme for our college students
12. An approved supervisor for Ph.D in Vel's University, Bharathiar University and Periyar University.

13. Additional Controller of Examination from October 2012 to December 2013
14. Controller of Examination from June 2014 to June 2016
15. Conducted workshop as resource person in M.G.R.Janakicollege for women and Bhaktavatchalamcollege, Chennai. The topic is "Matlab and Image Processing"
16. Admission co-ordinator – June 2017
17. UGC Nodal Officer – 2018-2020
18. Research Dean – from 2020 till now

20. Research Contributions

International Journals Publication list

2007

1. Radha, Dr.S.P.Rajagopalan., (2007), "*Fuzzy Logic Approach for Diagnosis of Diabetics*", International Journal of Information Technology, vol 6(1), pp 96-102.ISSN: 1812-5638,Scopus indexed
2. R.Radha, Dr.S.P.Rajagopalan., (2007), '*Assesing the Interestingness of Discovered Knowledge Using a Hybrid Approach Based on Fuzzy Concepts*' ,International Journal of Soft Computing, Vol 2(2), 243-248.ISSN: 1816-9503 (Print),Scopus indexed
3. R.Radha, Dr.S.P.Rajagopalan., (2007), ' *Generation of Interesting classified fuzzy association rules*' , International Journal of Computer Science and Knowledge Engineering, New Delhi.ISSN:0973-6735 ,

2008

4. R.Radha, S.Jayalakshmi, Dr.S.P.Rajagopalan., (2008), '*Analysis of Gene Expression Profile to Select Patient Samples for Outcome Prediction'* ,International Journal of Information Technology, vol 7(1), pp 175-179. Scopus indexed
5. R.Radha, Dr.S.P.Rajagopalan., (April 2008), '*Mining Interesting Rules using Fuzzy Concepts in Automobile Insurance Data'* , ACCST National Journal, Vol 6, no.2.

2010

6. R.Radha, Dr.S.P.Rajagopalan., '*Generating Membership values And Fuzzy Association Rules From Numerical Data*' , International Journal on Computer Science and Engineering, Vol. 02, No. 08, 2010, 2705-2715

2011

7. R.Radha, '*Gene Expression Analysis'*, International Journal of Advanced Science and Technology, Vol 33, page No: 23-31,August 2011

2012

8. R.Radha,R.R.Aparna,*'Enchanced Automatic Offline Character Image Pre-processing and Recognition Using Single Layer Network'* International Journal of Advanced Research in Computer Science, ISSN No. 0976-5697 ,Volume 3, No. 4, July- August 2012 , p303-309.
9. R.Radha and C.P.Sumathi ,"*A Novel Approach To Extract Text From License Plate Of Vehicles*", Signal & Image Processing : An International Journal (SIPIJ) Vol.3, No.4, August 2012,ISSN No:0976-710X, 2229 - 3922 (print)
10. R. Radha, P. Rajendiran, "*An Overview on Gene Expression Analysis*"**,** *IOSR Journal of Computer Engineering (IOSRJCE) ISSN: 2278-0661 Volume 4, Issue 1 (Sep-Oct. 2012), PP 31-36*

2013

11. *R.Radha, R.R Aparna ,*"*Review of OCR techniques used in Automatic Mail Sorting of Postal Envelopes*", *Signal and Image Processing: An International Journal (SIPIJ)* vol.4, No.5, October 2013, pp 45-60.ISSN No:0976-710X, 2229 - 3922 (print)
12. Indulekha.M.L, R.Radha , K.Pushkala and MelaniRajendran, "*An adaptive approach to detection of dermatoglypic patterns of blind people using fingerprint classification*" International Journal of Emerging Trends & Technology in Computer Science (IJETTCS),ISSN 2278-6856,Volume 2, Issue 3, May – June 2013
13. R.Radha, BijiLaxman, "*Retinal Image Analysis Using Morphological Process And Clustering Technique*", Signal & Image Processing : An International Journal (SIPIJ) Vol.4, No.6, December 2013, pp 55-69, ISSN No:0976-710X, 2229 - 3922 (print)
14. M.Padmanaban, R.Radha, "*PSO Algorithm to select of Q-Gram Features for Record Duplicate Detection*" Internal Journal of Computer Application (0975-8887), Volume 82- No. 12, November 2013, pp 7-14.

2014

15. R.Radha and R.R..Aparna, "*Automatic extraction, segmentation and recognition of multi-font Indian Pincode*", International Journal of Computational Vision and Robotics (IJCVR), Vol. 4, No. 3, 2014, pp.247 – 258, ISSN online:1752-914X, ISSN print:1752-9131
16. R.Radha and R.R.Aparna, "*A Novel approach for Postal address block and pincode segmentation*" International Journal of Imaging and Robotics, ISSN 2231-525X, 2014, Volume 14, Issue Number 3,pp 86-96
17. R.Radha and R.R.Aparna, *"Script Identification In Trilingual Indian Documents*", International Journal of Image Processing (IJIP), Volume (8) : Issue (4) : 2014,pp 178-185, ISSN - 1985-2304

2015

18. S.Vijaya and R.Radha, " *Text Mining in Biosciences- A Review*" , International Journal of Scientific and Engineering Research, Volume 6, issue 5, May 2015, ISSn 2229-5518, pp769-776.

19. M.Padmanaban and R.Radha "*Data Duplication Using Ensemble Classification*", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 11 (2015) pp. 28273-28286.
20. BijeeLakshman and R. Radha ," *Detecting The Optic Disc Boundary And Macula Region In Digital Fundus Images Using Bit-Plane Slicing, Edge Direction, And Wavelet Transform Techniques*" ,ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO 20, NOVEMBER, 2015 ISSN 1819-6608, pp 9265-9271

21. BijeeLakshman, R. Radha ,"*Review of Automatic Detection and Grading of Diabetic Maculopathy*",International Journal of Applied Engineering research, Volume 10, Issue 10, pp 25571-25588, 2015

2016

22. R Radha, S Vijaya ,"*Relation Extraction using Hybrid Approach and an Ensemble Algorithm*", International Journal of Computing Algorithm volume 5,issue 1, 46-49,ISSN: 2278-2397.

2017

23. GB Hemamalini, R Radha ,"*Automatic Image Registration of Satellite Images using SIFT*",International Journal of Computer Science and Information Security (IJCSIS),volume 15, issue 4, pp 132-138, April 2017.
24. S. Jeyalakshmi, R. Radha ,"*A Review On Diagnosis Of Nutrient Deficiency Symptoms In Plant Leaf Image Using Digital Image Processing*", ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING, volume 7, Issue 4, pp 1515-1524, may 2017
25. R. Vijaya, R. Radha ,"*Biomedical Named Entity Recognition - a swift review*",International Journal Of Engineering And Computer Science, Volume 6, Issue 5, pp 21534-21537, May 2017
26. R. Radha G.B. Hema Malini ,"*Automatic Extraction And Registration Of Poondi Lake In Satellite Images*",International Journal of Computer Engineering and Applications, Volume 11, Issue 9, pp 54-62, September 2017.
27. R.Vijaya, R.Radha, "*Gene-Disease Relation Extraction using Ensemble Algorithm of C4.5 with Bagging Method*", Journal of Advanced research in Dynamical and Control Systems, June 2017, ISSN:1943-023X,Issue 6-special issue, pp:173-185.
28. R.Vijaya, R.Radha, "*Named Entity Recognition and Gene Disease Relationship Extraction using Relevance Vector Machine(RVM) Classifier*", Internationa Journal for Research in Applied Science and Engineering Technology (IJRASET), ISSn 2321-9653, issue XII, volume 5, dec 2017
29. R.Vijaya, R.Radha, " *Classifying gene disease entities using Relevance Vector Machine Classifier*", International Journal of Computer Sciences and Engineering, ISSN: 2347-2693 (E), Volume-6 , Issue-7 , Page no. 497-502

2019

30. GB Hemamalini, R Radha, "*Image Classification and Change Detection of Water Bodies in Satellite images using different Vegetation Indices*", International Journal of Research in Electronics AND Computer Engineering (IJRECE), Jan 2019, ISSN (Online): 2348-2281 ISSN (Print): 2393-9028 Vol:7 Issue 1, pg no:425-429.

31. V.Sowmya, R.Radha, "*Heavy-Vehicle Detection Using SVM and HOG Features*", IJCSE International Journal of Computer Sciences and Engineering, E-ISSN: 2347-2693 Vol.-7, Special Issue, 5, March 2019
32. S.Jeyalakshmi, R.Radha, "*A novel approach to segment leaf region from plant leaf image using automatic enhanced grabcut algorithm*", An International Journal of Advanced Computer Technology, Nov 2019,ISSN:2320-0790, volume VIII, issue: XI, pp 3485-3493

2020

33. E.Sujatha, R.Radha, "*A Sentiment Classification on Indian Government Schemes Using PySpark"* , International Journal on Emerging Technologies, vol 11(2): 25-30(2020) ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255
34. v.Sowmya, R.Radha," *An Empirical Research on Vehicle Detection employing YOLOv2 features Transfer Learning and Data Augmentation*", JOURNAL OF ENGINEERING, COMPUTING & ARCHITECTURE, ISSN NO:1934-7197, VOLUME 10, ISSUE 9, 2020, PP 1-9.
35. S.Jeyalakshmi, R.Radha, "*An effective approach to feature extraction for classification of plant diseases using machine learning*", Indian Journal of Science and Technology, oct 2020, online issn:0974-5645,volume 13, issue 32,Pages: 3295-3314.
36. V.Sowmya, R.Radha," *Efficiency - Optimized Approach - Vehicle Classification Features Transfer Learning and Data Augmentation Utilizing Deep Convolutional Neural Networks*", INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, Oct 2020, ISSN NO: 0973-4562, VOL 15, NUMBER(4), PP 372-376.

2021

37. V.Sowmya, R.Radha," Heavy-Vehicle Classification and Detection using Deep-Learning models featuring Transfer-Learning Techniques", Feb 2021, International Journal of Information Technology and Electrical Engineering, ISSN 2306-708X, 10(1),pp 20-24

National / International Conference list

2005

38. R.Radha, Dr.S.P.Rajagopalan., (2005), '*Application of fuzzy logic in data mining*', Computer Science & Informatics- UGC sponsored National Conference, St. Joseph's college, Tiruchirappalli, on 18th & 19th Feb 2005

2008

39. S.Jayalakshmi, R.Radha, Dr.S.P.Rajagopalan., (march 31st , 2008), '*Selection of a Sample for Outcome Prediction by Parallel Simulated Annealing and Fuzzy Clustering'*, State level Conference (INNOV-08) at SRM University, Kattangulathur, Chennai.

2012

40. R.Radha, BijiLaxman, "*Neuro-Fuzzy approach on dynamic model of HIV/AIDS population*", National conference organized by Department of Humanities and Information technology by BMC , Chennai-80.

2013

41. R.Radha, R.R Aparna ,"*Enhanced Automatic Digit Recognition Using Multi Layer Perceptron*", *Proc.of International Conference in ETCST*, ISBN:978-93-81430-95-8, page 49-54.
42. R.Radha, BijiLaxman, "*Eluciation of Optic Disc and Exudates in Retina for Detecting Diabetic Maculopathy/retinopathy*",Proc. of International conference on Emerging Trends and Challenges , in Science and Technology held at Bhaktavatsalam Memorial college for women on 1/3/2013 & 2/3/2013, ISBN:978-93-81430-95-8

2014

43. R. Radha, R. R. Aparna, "*Digit Recognition Using Hybrid Classifier*", WCCCT, 2014, 2014 World Congress on Computing and Communication Technologies (WCCCT), 2014 World Congress on Computing and Communication Technologies (WCCCT) 2014, pp. 34-38, doi:10.1109/WCCCT.2014.18, ISBN:978-1-4799-2877-4
44. R. Radha, BijeeLakshman, "*Identification of Retinal Image Features Using Bitplane Separation and Mathematical Morphology*",WCCCT, 2014, 2014 World Congress on Computing and Communication Technologies (WCCCT), 2014 World Congress on Computing and Communication Technologies (WCCCT) 2014, pp. 120-123, doi:10.1109/WCCCT.2014.44, ISBN:978-1-4799-2877-4
45. R.Radha and S.Jeyalakshmi, "*An Effective Algorithm for Edges and veins Detection in leaf images*", WCCCT, 2014, 2014 World Congress on Computing and Communication Technologies (WCCCT), 2014 World Congress on Computing and Communication Technologies (WCCCT) 2014, pp. 128-131, doi:10.1109/WCCCT.2014.1, ISBN:978-1-4799-2877-4
46. R.Radha and P.Rajendiran, "*Using K-means clustering Technique to Study of Breast Cancer"*, WCCCT, 2014, 2014 World Congress on Computing and Communication Technologies (WCCCT), 2014 World Congress on Computing and Communication Technologies (WCCCT) 2014, pp. 211-214, doi:10.1109/WCCCT.2014.64, ISBN:978-1-4799-2877-4

2017

47. GB Hemamalini, R Radha, "*Automatic water body extraction and change detection of Chennai surrounding lakes using satellite images*" , IEEE international conference on computational intelligence and computing research, Dec 2017, pp 263-267

2018

48. E.Sujatha, R.Radha, "*A survey on sentiment analysis of twitter data*", international conference on informatics and computing in engineering systems, Mar 2018, S.A. Engineering College, Chennai.
49. V.Sowmya, R.Radha, "*Vehicle detection and tracking with various techniques- a survey*", international conference on informatics and computing in engineering systems, Mar 2018, S.A. Engineering College, Chennai.

2019

50. R S Nisha, R.Radha, "*A Systematic analysis of Data-intensive MOOCs and their key Challenges*", Feb 2019 3rd International Conference on Computing and Communications Technologies (ICCCT) published in IEEE Explore, Electronic ISBN: 978-1-5386-9371-1

2020

51. R S Nisha, R.Radha, "A review of Dropout prediction in MOOCS using Machine Learning Techniques" , Aug 6, 2020, Virtual Conference on Artificial Intelligence, Network Security, Data Science and IOT (VCANDO'20),page 435-438, ISBN 9381-5467-73682.

52. S.Jeyalakshmi, R.Radha, "Plant Disease Severity Measurement from leaf image", Nov 2020, Virtual Conference - 10th International Conference on Science and Innovative Engineering – 2020, ISBN 978-93-5406-579-8.

DECLARATION

I hereby declare that all the information furnished above are true, complete and correct to the best of my knowledge.

Place : Chennai (Dr.R.RADHA)
Date :