<p align="center">**Profile**</p>

Name	: Dr. R. Nandhakumar
Department	: Computer Science and Applications
Designation	: Assistant Professor
Qualification	: MCA., MBA.,M.Phil., Ph.D.,
Phone	: 9361554499
Experience	: 8Yrs
Area of Specialization(s)	: Soft Computing, ANN, Assistive Technology
Email(OfficialID)	: drrnandhakumar@rttviaas.ac.in

Academic Qualification:

S.No.	Course	College / University	Month &Year	%
1.	UG (BCA)	Sri Ganesh College of Arts and Science, Salem. (Periyar University)	April 2019	62.7
2.	PG (MCA)	Hindusthan Institute of Technology, Coimbatore.(Anna University)	June 2012	8.59
3.	PG (MBA)	PRIDE(Periyar University)	June 2012	69.3
4.	M.Phil	Bharathidasan University, Tiruchirappalli	Sep 2013	80.67
5.	Ph.D	Bharathidasan University, Tiruchirappalli	July 2018	Commended

Teaching Experience

S.No.	Institution /University	Designation	Period		Whether UG/PG?
			From	To	
1	CDAP, Bharathidasan University, Trichy	Guest Lecturer	11.08.2017	30.04.2019	UG
2	Vivekanandha College of Arts and Sciences for Women (Autonomous)	Asst. Professor	14.06.2019	27.07.2022	UG & PG

3	St. Joseph College of Arts and Science for Women, Salem	Asst. Professor & Head	01.08.2022	23.01.2023	UG
4	Vivekanandha College of Arts and Sciences for Women (Autonomous), Namakkal	Asst. Professor	26.05.2023	09.11.2024	UG & PG
5	Vivekanandha Arts and Science College for Women, Salem	Associate Prof & Head	11.11.2024	Till Date	UG & PG

Workshop Attended

S.No.	Topic	Venue	Date
1	Data Analysis using SPSS' 22	Bharathidasan University, Trichy	06.01.2014
2	Examination Procedures under SUITS	IECD, Bharathidasan University, Trichy	18.02.2014
3	Research Issues in Big Data Analytics	BUTP, Bharathidasan University, Trichy	27.03.2014
4	Tools and Technologies for Cloud Computing and Big Data	Thiagarajar College of Engineering, Madurai	05.05.2014 - 07.05.2014
4	Right to Education with reference to Education of Person with Disabilities	CDAP, Bharathidasan University, Trichy	10.03.2015
5	Soft Computing Techniques using MATLAB	Kongu Engineering College, Erode	20.07.2015 & 21.07.2015
6	Inclusive Publishing 2016	Karna Vidhya Technology, Chennai	05.08.2016 – 07-08-2016
7	Data Science Open Source Languages	Bharathidasan University, Trichy	04.01.2017 – 06.01.2017
8	Functional Sign Language	CDAP, Bharathidasan University, Trichy	27.09.2017
9	Orientation Workshop on Swayam	UGC HRDC, Bharathidasan University, Trichy	03.05.2018
10	National Workshop on Awareness on revised NAAC Norms and Procedures	SNMV College of Arts and Science, Coimbatore	17.08.2019
11	National Level Workshop on Applications of SPSS tool in Research	Vivekanandha College of Arts and Sciences for Women (Autonomous), Namakkal	21.12.2019
12	National Workshop on Artificial Intelligence and Computing	Kandaswami Kandar's College, Namakkal	24.02.2020

13	National seminar Cum Workshop on Research Proposal Writing	Vivekanandha College Engineering for Women (Autonomous), Namakkal	03.03.2020 & 04.03.2020

Training Programme Attended

S.No.	Topic	Venue	Date
1	Research Writing	Bharathidasan University, Trichy	27.01.2014- 31.01.2014
2	External Examiner for Conducting SUITS	IECD, Bharathidasan University, Trichy	Feb 2014
3	External Examiner for Conducting SUITS	IECD, Bharathidasan University, Trichy	Feb-Mar 2016
4	Teacher Education Meet-2018	Bharathidasan University, Trichy	24.03.2018
4	E Learning India: Trend and Issues	Bharathidasan University, Trichy	27.03.2018
5	Employability Skills for the Differently Abled Persons	CDAP, Bharathidasan University, Trichy	07.12.2018
6	Life Skill Education and Personality Development	Kristu Jayanti College, Banglore	09.12.2019 – 11.12.2019

Conference Presented & Attended

S.No.	Conference Name	Title	Venue	Date
1	International Conference on Intelligent Computing Applications	An Integrated Methodology of ANN and RST for analyzing IVF Data	Bharathiyar University, Coimbatore	06.03.2014 & 07.03.2014
2	Springer International Conference on Soft Computing Systems	Intelligent Prediction Methods and Techniques Using Disease Diagnosis in Medical Database : A review	Noorul Islam University, Kanyakumari	19.02.2016
3	Perspectives and Prospects of Technology Enabled Learning	Assistive Devices and Technologies for Hearing Impaired	Alagappa University, Karaikudi	31.03.2016 & 01.04.2016
4	International Conference on Computing Communication and Information Science	A Comparison of the Perceptive Approaches for Pre processing data set for Predicting Fertility Success Rate	Bishop Heber College, Trichy	28.07.2016 & 29.07.2016

5	International Conference on Advanced Computing and Communication Systems	Feature Diminnation by Hybrid Algorithm for Improving the Success rate for IVF Treatment	Sri Eshwar College of Engineering, Coimbatore	06.01.2017 & 07.01.2017
6	International Conference on Achievement of and / or Innovation For the Specially Abled	A Study on Assistive Technology Devices for Differently Abled Persons	CDAP, Bharathidasan University, Trichy	07.01.2018
7	National Conference on Computing and Communication Technologies	Integrating Ant Colony Optimization and Relative Reduct Algorithm for predicting the Success Rate for IVF	Jamal Mohamed College, Trichy	20.02.2018
8	National Conference on Data Science	Participated	Bharathidasan University, Trichy	18.04.2018 & 19.04.2018
9	International Conference on Advanced Trends in Communication and Technology	An optimized Mutipath routing for Secure Communication Wireless Sensor Network	Vivekanandha College of Arts and Sciences for Women (Autonomous), Namakkal	24.01.2020 & 25.01.2020
10	International Conference on Advanced Trends in Communication and Technology	A Survey on Attribute based Encryption Technique for Saleable data Sharing in Cloud Storage	Vivekanandha College of Arts and Sciences for Women (Autonomous), Namakkal	24.01.2020 & 25.01.2020

Publications

Sl. No.	Title of the Paper with Journal's Name	Year of Publication, Vol. No. page. Nos. etc.,	ISSN No.	Peer Reviewed/ Standard Journals/UGC Recognised (Old/ Care List Journal*/ Impact Factor	Author-ship**
1	INTEGRATING NEURO-FUZZY SYSTEMS FOR ENHANCED CANCER DATA ANALYSIS AND PREDICTION- ICTACT Journal on Soft Computing	2023/October /14/2/3195 - 3199	2229-6956	UGC Approved List Journal	First Author

2	Secure Data Deduplication System with Cyber Security Multikey Management in Cloud Storage - Security and Communication Networks, Hindawi.	Volume 2022, 11 Pages	1939- 0114	UGC Approved List Journal – Scopus, SCI, WoS Indexed	First Author
3	CUSTOMER BEHAVIOR PREDICTION USING APRIORI BASED PAGE RANK ALGORITHM- Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.241-247	1076-5131	UGC Approved List Journal	First Author
4	COMMUNICATION INTERACTION BETWEEN WSN ARCHITECTURE USING IDAA - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.260-267	1076-5131	UGC Approved List Journal	First Author
5	DESIGN AND IMPLEMENTATION OF SMART E-COMMERCE APPLICATION FOR ONLINE SHOPPING CART IN PHP - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.268-273	1076-5131	UGC Approved List Journal	Third Author
6	SERVICE BASED EFFICIENT 5G NETWORK COMMUNICATION ASSISTED BY REAL DATA - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.284-292	1076-5131	UGC Approved List Journal	Second Author
7	SMART HOME AUTOMATION USING BLYNK IOT AND GOOGLE ASSISTANTS - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.293-297	1076-5131	UGC Approved List Journal	First Author
8	HEALTH CARE MONITORING FOR PHYSICALLY CHALLENGED PEOPLE USING ANDROID APPLICATION - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.305-311	1076-5131	UGC Approved List Journal	Third Author

9	DETECTING AND EVALUATING FAKE ACCOUNTS IN SOCIAL MEDIA USING SUPPORT VECTOR MACHINE TECHNIQUE - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.319-322	1076-5131	UGC Approved List Journal	First Author
10	A SECURE EMAIL SYSTEM USING ADVANCED ENCRYPTION STANDARD ALGORITHM - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.348-353	1076-5131	UGC Approved List Journal	First Author
11	BLOOD DONOR MANAGEMENT SYSTEM - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.361-365	1076-5131	UGC Approved List Journal	First Author
12	TWITTER SENTIMENT ANALYSIS USING MACHINE LEARNING ALGORITHM - Journal of Applied Science and Computations(JASC)	2022,Volume-IX, Issue-VI PP.377-382	1076-5131	UGC Approved List Journal	Third Author
13	Machine Learning for the Manufacturing and Image Classification Systems– *International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)*	2021, Spl. Issue 10 (11), pp. 464-475	2277-4998	Care List Journal-Web of Science indexed	First Author
14	Classifying the Infertility Treatment Success Rate Based on Learning from Multi-Layer Perceptron Network–*Vidyabharati International Interdisciplinary Research Journal*	2021, Spl. Issue pp. 2895-2905	2319-4979	Care List Journal - Web of Science indexed	First Author
15	A Survey on Attribute-Based Encryption Technique for Scalable Data Sharing in CloudStorage - *International Journal of Engineering Research & Technology (IJERT)*	2020, Spl. Issue 8 (3) pp. 1-5	2278-0181	Peer Reviewed	Co-author

16	An Optimized Multipath Routing for Secure Communication of Wireless Sensor Network - *International Journal of Engineering Research & Technology (IJERT)*	2020, Spl. Issue 8 (3) pp. 1-5	2278-0181	Peer Reviewed	Co-author
17	Application of Iot based Home Appliances for Smart Home - *LFS-LITERARY FINDINGS*	2019 pp. 67-73	2278-2311	UGC Approved List Journal	Co-author
18	The Major Role of Preprocessing the Clinical Data for Feature Extraction - *LFS-LITERARY FINDINGS*	2019 pp. 45-48	2278-2311	UGC Approved List Journal	First Author
19	A Study on Assistive Technology Devices for Differently Abled Persons - *Samwaad: e-Journal (International Refereed & Indexed Journal of Education & Social Sciences)*	2018 Spl. Edition, pp. 211-220	2277-7490	Old Care List Journal	Co-author
20	Integrating Ant Colony Optimization and Relative Reduct Algorithm for predicting the Success Rate for In-Vitro Fertilization - *International Journal of Emerging Technology and Advanced Engineering*	2018 Spl. Issue 8 (2), pp. 12-16	2250–2459 (E-ISSN)	UGC Approved List Journal	Corresponding Author
21	Feature Reduction by Improvised Hybrid Algorithm for Predicting the IVF Success Rate - *International Journal of Advanced Research in Computer Science*	2017, 8, pp. 37-40	0976-5697	Peer Reviewed	Corresponding Author
22	Feature Diminution by Ant Colonized Relative Reduct Algorithm for improving the Success Rate for IVF Treatment - *International Journal on Recent and Innovation Trends in Computing and Communication*	2017, 5 (8), pp. 01-11	2321-8169	UGC Approved List Journal	Corresponding Author
23	Feature Diminution by Hybrid Algorithm for Improving the Success Rate for IVF Treatment - *Pak. J. Biotechnology*	2017, 14 Spl. Issue-II, pp. 328-331	1812-1837	UGC Approved List Journal - Scopus indexed	Corresponding Author

24	A Comparison of the Perceptive Approaches for Preprocessing the Data Set for Predicting FertilitySuccess Rate– *International Journal of Control Theory and Applications*	2016, 9(27), pp. 255-260	0974-5572	UGC Approved List Journal - Scopus indexed	Corresponding Author
25	Intelligent Prediction Methods and Techniques Using Disease Diagnosisin Medical Database: A Review - *International Journal of Control Theory and Applications*	2015, 8 (5), pp. 2153-2160	0974-5572	UGC Approved List Journal - Scopus indexed	Corresponding Author
26	An Integrated Methodology of Artificial Neural Network and Rough Set Theory for Analyzing IVF Data - *International Conference on Intelligent Computing Applications*	2014, (14), pp. 126-129	978-1-4799-3966-4	IEEE	Corresponding Author
27	Data Mining Application on IVF Data For The Selection of Influential Parameters on Fertility - *International Journal of Engineering and Advanced Technology*	2013, 2 (6), pp. 262-266	2249-8958	Old UGC Approved List Journal – Scopus indexed	Corresponding Author

Membership in professional Organization/Associations:

S.No.	Name of the Association/Organizations	Role
1	Teaching and Education Research Association(TERA)	Life member
2	Healthcare & Biological Sciences Research Association(HBSRA)	Life member
3	Social Science and Humanities Research Association(SSHRA)	Life member
4	Indian Academic of Research Association(IARA)	Life member
5	VIJ Trust	Ordinary Member
6	International Association of Engineers	Life member

AWARDS:

S.No.	Name of award	Organization
1	Global Eminent Researcher Award	VIJ Trust
2	Best Faculty Award	Chennai Teachers Club
3	Best Faculty Award	IoT Academy
4	Best Faculty Award	Mahilam Tamil Sangam

Journal Reviewer:

S.No.	Journal Name	Role
1.	International Journal of Engineering Research & Technology (IJERT)	Reviewer
2.	EAI/Springer Innovations in Communication and Computing	Reviewer
3.	International Conference on Sustainable Advanced Computing (ICSAC-21), Springer Conference, Christ(Deemed to be University), Bangalore.	Reviewer

Pattern

S.No.	Title
1.	IOT DRIVEN ARTIFICIAL INTELLIGENCE-BASED PERSONALIZED DIET RECOMMENDATION FOR HEALTH MANAGEMENT SYSTEM
2.	DETECT INCONSISTENCIES AND ATTACKS IN A COMPUTING NETWORK USING MACHINE LEARNING FOR CYBER SECURITY
3.	ROBUST MULTI AUTHORITY ATTRIBUTES MANAGEMENT SYSTEM OF SERVERLESS COMPUTING WITH ENHANCED RELIABILITY.

Book Published

S.No.	Title	ISBN No
1.	Artificial Intelligence	978-93-5577-923-6
2.	Foundations of Data Science	978-93-5577-630-3