Dr.P.PRABHU

Associate Professor in Information Technology

<table>
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Academic Qualifications

Degree	Institution	Year	Branch	Class
M.C.A	N.G.M. College, Pollachi	June 1993	Computer Applications	I
P.G.D.B.A	Pondicherry University, Pondicherry	December 2003	Business Administration	I
M.Phil	Bharathidasan University, Trichy	September 2005	Computer science	II
Ph.D	Alagappa University, Karaikudi	6th September 2016	Computer science	-

Teaching Experience

Total Teaching Experience : 25+ Years

Position	Institution	Duration
Associate Professor in IT	DDE, Alagappa University	Since 19/02/2022
Assistant Professor in IT	CDOE, Alagappa University	19/02/2009 to 18/02/2022
Lecturer	Mohammed Sathak College of Arts and Science, Sholinganallur	01/08/2001 to 18/02/2009
Lecturer	S.R.M. Arts & Science College, Kattankulathur, Chennai.	02/11/1998 to 22/09/2000
Lecturer	V.H.N.S.N.College, Virudhunagar	02/07/1993 to 31/05/1994

Research Experience

Total Research Experience   :   13 Years

Position	Institution / University	Duration
Research Supervisor – M.Phil	Mohammed Sathak College of Arts and Science, Sholinganallur	Since 2006
Research Supervisor – M.Phil	Alagappa University, Karaikudi	Since 19th February 2009
Research Supervisor – Ph.D	Alagappa University, Karaikudi	Since June 2019

Academic and Additional Responsibilities

S.No	Position	University Bodies	Period From	To
1	PCP Coordinator	CDOE, Alagappa University	2014	Till date
2	Programme Coordinator	B.Sc (IT) , MSc(IT), Bachelor of Computer Applications(BCA), Master of Computer Applications, Diploma in Computer Applications (DCA), Diploma in Artificial Intelligence and Machine Learning, Certificate in C Programming.	2018	Till date
3	Coordinator, Learning centre	Directorate of Distance Education	2018	Till date
4	TP Coordinator	Naan Muthalvan Scheme – Smart Bridge	2023	Till date

Areas of Research

- Data Mining
- Machine Learning

Patents Filed

- Optimizing call canter queuing system using non-Markovian models and customer interaction using Natural Language Processing (202041012642A)
- A Data Mining Tool for Monitoring and Reporting for a Change in a Realtime Data. (202141032482A)
- An Automatic Optimized Features Selection System in Retinopathy Detection Using Active Extreme Learning Machine.(2021102935)

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	-	-
	Ph.D	-	3
	M.Phil	58	-
	PG	300	8

Project	UG / Others	-	-	

Publications

International		National		Others
Journals	**Conferences**	**Journals**	**Conferences**	**Books / Chapters / Monographs / Manuals**
43	36	-	30	18 Book chapters

Cumulative Impact Factor (as per JCR) : 10.543
h-index : 10
i10 index : 10
Total Citations : 433

Ph.D Examiner

Thesis Evaluated : 02
Acted as Viva voce Examiner : 02

Funded Research Projects

Completed Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	**To**		
1	Alagappa University Research Fund (AURF)	31st December 2009 to March 2011		Study on mapping object to relational paradigm for achieving object persistence	0.20
2	Alagappa University Research Fund (AURF)	March 2017 to September 2018.		An Efficient Model for Improving the Quality of Personalized Recommender Systems	0.35
3	RUSA 2.0	From September 17, 2018 to 2020		Mathematical Modelling and Computational Intelligence	2.06

Distinctive Achievements / Awards

- Received Certificate of appreciation in recognition of the contribution made to 'Theme based research project of RUSA 2.0 towards the quality enhancement in teaching and research 2021.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 07

Position	Programme	Duration	Institution
Member of organizing committee	Two day short term training programme on "Hands on Training in Computer Networks and R Programming"	31st January 2018 and 1st February 2018	Business Collaboration Centre and Department of Computer Applications, Alagappa University, Karaikudi.
Member of organizing committee	International Conference on Information, Communication & Digital Security (ICICDS-2018),	March 21-22,2018.	Department of Computer Applications, Alagappa University, Karaikudi held on
Event Coordinator	Alagappa University Talent Exhibit show-2018 (ALUTES)	26th to 28th October,2018.	Cultural Club, Alagappa University, Karaikudi
Event coordinator	Alagappa University Talent Exhibit Show-2019 (ALUTES-2019),	18th to 20th October 2019.	Alagappa University, Karaikudi.
Reviewer / Advisory Committee Member/ co convener	National Conference on 'Recent Trends in Computer Science (NCRRTCS'19)', sponsored by RUSA 2.0 Research Scholars Scheme	November 4th, 2019.	Department of Computer Applications, Alagappa University, Karaikudi
Organizing secretary	Webinar Lecture series on Computational Intelligence	6th June 2020.	Information Technology and computer science wing, Directorate of Distance Education, Alagappa University, Karaikudi
Member	National Training Programme on "Enhancing Life skills for youth belonging to Scheduled case/ scheduled tribes: special reference to affiliated colleges students of Alagappa University	16th to 18th March 2022	Social work wing, DDE, Alagappa University Karaikudi

Events Participated

Number of Conferences / Seminars / Workshops / webinars: 72

Overseas Exposure / Visits

Country	Period of Visit	Purpose of Visit
Singapore	27 - 29 July 2019	Oral presentation of research paper in 3rd International conference on Imaging, Signal Processing and Communication (ICISPC 2019), at Nanyang Technological University, Singapore.

Membership

Professional Bodies

1. Life Member, "The Indian Science Congress Association", (Membership No. L14689), Kolkata.
2. Member, "International Association of Engineers (IAENG)", (Membership No.116873).

Advisory Board

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2014-2017	Member, Board of Studies in B.Sc (Information Technology), Affiliated Colleges, Alagappa University, Karaikudi from 22.04.2014 for 3 years.	Member
Since 2015	Board of Studies in Computer Science of Directorate of Distance Education, Alagappa University, Karaikudi.	Member
Since 2019	Broad Based Board of Studies, M.C.A(Regular), Department of Computer Applications, Alagappa University, Karaikudi	Member
Since 2023	Board of Studies, History (DDE), Alagappa University, Karaikudi	Member

Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
Since November 2020	Anna University, Trichy	DC Member

Ph.D. Thesis Guided : Ongoing 3 Nos

Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1	*K.Divyapriya, **P.Prabhu**, Image Based Authentication Using Illusion Pin for Shoulder Surfing Attack, International Journal of Pure and Applied Mathematics Volume 119 No. 7a 2018, 835-840 pp.835-839. (ISSN: 1311-8080 (printed version))*	*0.29*
2	B.Nalayini, **P.Prabhu**, Cluster Based K-NN Model for Information Retrieval of Text Documents, International Journal of Pure and Applied Mathematics, Volume 119 No. 12f 2018, pp.16149-16154. (ISSN: 1314-8080)	0.29
3	C.Yoga Anitha, **P.Prabhu**, Complexity Analysis of Hybrid Method for Securing and Compressing Images, International Journal of Pure and Applied Mathematics, Volume 119 No. 15e June 2018, pp.2221-2229. (ISSN: 1314-8080)	0.29
4	C.Yoga Anitha, P.Prabhu, Performance Evaluation of Hybrid Method for Securing and Compressing Images, International Journal of Computing Algorithm Volume: 07, Issue: 01, June 2018, Page No.59-67.(ISSN: 2278-2397).	
5	K.Divyapriya, P.Prabhu, Performance Evaluation of Image Based Authentication using Illusion-Pin for Shoulder Surfing Attack, International Journal of Computing Algorithm, Volume: 07, Issue: 01, June 2018, Page No.54-58,(ISSN: 2278-2397).	
6	P.Prabhu, M.Mohamed Sirajudeen, Deep Learning based Restricted Boltzmann Machine Business Intelligence Model, Universal Review, Volume VIII, Issue 1, - pp.295- 304,January 2019,ISSN 2277-2723	
7	M.Rajeswari, P.Prabhu, A Review of Diabetic Prediction Using Machine Learning Techniques, International Journal of Engineering and Techniques - Volume 5 Issue 4,July 2019, pp.1-7,ISSN 2395-1303	
8	Prabhu, P., & Selvabharathi, S. (2019). Deep Belief Neural Network Model for Prediction of Diabetes Mellitus. In 2019 3rd International Conference on Imaging, Signal Processing and Communication, ICISPC 2019 (pp. 138–142). Institute of Electrical and Electronics Engineers Inc. IEEE proceedings. December 2019. ISSN:0018-9219	
9	P. Selvashankari, P. Prabhu, Predictive Analytics Algorithms for Clinical Decision Making in Healthcare, International Journal of Innovative Technology and Exploring Engineering (IJITEE),Volume-9 Issue-7, May 2020, pp 1354-1359.	
10	M. Sivakami, P. Prabhu, Classification of Algorithms Supported Factual Knowledge Recovery from Cardiac Data Set, International Journal of Current Research and Review, vol.13. issue 6. March 2021 pp161-166. ISSN: 2231-2196 (Print) ISSN: 0975-5241 (Online)	1.84
11	Guna Sekhar Sajja , Kantilal PitambarRane, Khongdet Phasinam, Thanwamas Kassanuk, Ethelbert Okoronkwo, P.Prabhu, Towards applicability of blockchain in agriculture sector, Materials Today proceedings,22nd August 2021. ISSN **2214-7853.**	1.8
12	Guna Sekhar Sajja, Malik Mustafa, R. Ponnusamy, Shokhjakhon A, Murugesan G., P. Prabhu. (2021). Machine Learning Algorithms in Intrusion Detection and Classification. Annals of the Romanian Society for Cell Biology, 25(6), 12211–12219.	
13	S. Vasanthanageswari, P. Prabhu (2021), Parameter Optimized Random Forest Method for Crop Yield Prediction, Design Engineering, Issue.8 pp.8175-8186	

14	Harikumar P, Pavankumar R, Guna Sekhar Sajja Khongdet Phasinam, Thanwamas Kassanuk, Domenic T. Sanchez, P. Prabhu, Application of machine learning techniques in rice leaf disease detection, Materials Today: Proceedings, December 2021, 51, pp. 2277–2280. ISSN **2214-7853.** https://doi.org/10.1016/j.matpr.2021.11.398	1.46
15	Abu Sarwar Zamani, L. Anand, Kantilal Pitambar Rane, P. Prabhu, Ahmed Mateen Buttar, Harikumar P, Abhishek Raghuvanshi, Betty N, "Performance of Machine Learning and Image Processing in Plant Leaf Disease Detection", Journal of Food Quality, vol. 2022, Article ID 1598796, 7 pages, April 2022. 1745-4557 (Online) https://doi.org/10.1155/2022/1598796	3.49
16	Shehab Mohamed Beram, Harikumar P, Indrajit P and P Prabhu(2022), A Machine Learning Based Framework for Preprocessing and Classification of Medical Images, ECS Transactions, Volume 107, Number 1, April 2022. ISSN:1938-6737 https://doi.org/10.1149/10701.7589ecst	0.64
17	Vasanthanageswari, Prabhu, P., Improving SVM Classifier Model Using Tree Structured Parzen Estimator Optimization for Crop Prediction, Journal of Theoretical and Applied Information Technology, November 2022, 100(22), pp. 6808–6818. ISSN 1817-3195	0.594
18	S.Selvabharathi,K.S.Dhanalakshmi,P.Prabhu, An Improved Optimization Based Classification Model for Sensor Based Human Activity Recognition, Journal of Theoretical and Applied Information Technology Vol.101. No 7, 15th April 2023 pp 2886-2894. ISSN 1817-3195	0.594
19	S. Anthonisamy, P Prabhu, A Data Driven Embedded Feature Selection and Ensemble Classifier for Human Activity Recognition, Journal of Theoretical and Applied Information Technology,15th October 2023. Vol.101. No 19.	0.594
20	M. Sivakami1, P. Prabhu, An Optimized Hybrid Cuckoo Search Bio-Inspired Deep Belief Network for Heart Disease Prediction, Journal of Theoretical and Applied Information Technology,30th November 2023. Vol.101. No 22 pp 7088-7099.	0.594
21	Sivakami, M., Prabhu, P. An optimized deep belief system for heart disease classification and severity prediction. Multimed Tools Appl (2024). https://doi.org/10.1007/s11042-023-18054-2.	2.577

Resource persons in various capacities

National Conferences :

i. Session Chairperson, ICSSR Sponsored Two-day National Conference on Impact of Electronic Resource on Teaching, Learning and Research: Issues and Opportunities organized by Central Library and Directorate of Distance Education, Alagappa University, Karaikudi on 24th & 25th April 2015.

ii. Co-chair, National Conference on Emerging Trends in Computing (NCETC-2017) organized by the Department of computer Science, Alagappa University, Karaikudi during 13th and 14th March 2017.

iii. Rapporteur, UGC Sponsored National Conference on Human Rights Education organized by the Department of History, Alagappa University, Karaikudi held on 14th & 15th March 2017.

iv. Session Chair, National conference on "Cyber Security (NCCS-2018)" organized by the Department of Computer Science, Alagappa University, Karaikudi, held on 25th January 2018.

International Conferences :

i. Session Chairperson, International Conference on

Advancements in Computing Resources, organized by Alagappa Institute of skill development centre & Computer centre, Alagappa University, Karaikudi held on 15th February 2017.

ii. Session Chair, International Conference on Computational Intelligence and Applications(ICCIA-2019)(Sponsored under RUSA Phase 2.0 Scheme) organized by Department of Computational logistics, Alagappa University in association with Department of PG Studies and Research in Computer Science, Mangalore University, Mangalore during 8th & 9th August 2019 at Karaikudi.

iii. Session Chair, International Conference on Computational Sciences (ICCS 2019)(Sponsored Under RUSA Phase 2.0 Scheme) organized by Department of Computer Science, Alagappa University, Karaikudi during October 23rd & 24th October 2019.

Invited Lectures :

i. Invited Lecture entitled "Uses of Information Technologies for Social Work Practices" in Field Visit Orientation organized by Department of Social Work, Alagappa University, Karaikudi held on 02/09/2022.

ii. Radio Talk on "World Data Protection Day" organized by Alagappa Community Radio. Alagappa University, Karaikudi on 28/01/2023.

(Signature)

Date : 28/02/2024

Place : KARAIKUDI

      Name : Dr P.PRABHU

      Designation : Associate Professor in Information Technology