



Dr. P.PRABHU

Associate Professor in Information Technology

Contact

Address	Centre for Distance and Online Education Alagappa University Karaikudi - 630 003 Tamil Nadu, INDIA
Employee Number	51515
Date of Birth	02 June 1970
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Academic Qualifications: M.C.A., M.Phil., P.G.D.B.A., Ph.D.

Teaching Experience: 24 Years

Research Experience: 17 Years

Additional Responsibilities

- Programme Coordinator:** B.Sc (Information Technology) , MSc(Information Technology), 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.
- PCP Coordinator:** B.Sc (Information Technology) , MSc(Information Technology), 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.
- Member:** Admission Committee, Directorate of Distance Education.
- Member:** Centre for Internal Quality Assurance (CIQA), Centre for Distance and online Education, Alagappa University.

Academic Staff College Orientation/Refresher course Attended

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Orientation Programme	UGC Academic Staff College, Bharathidasan University, Trichy	01/02/2012 to 28/02/2012	UGC
Refresher Course in Computer Science	UGC Academic Staff College, Bharathidasan University, Trichy	29/06/2013 to 19/07/2013	UGC
Summer School in Computer Science and Applications (Refresher Programme)	UGC Human Resource Development Centre, Bharathidasan University, Trichy	02/03/2018 to 22/03/2018	UGC
Refresher Course in Computer Science and Information Technology Batch X	UGC Human Resource Development Centre, University of Madras, Chennai.	28/01/2021 to 10/02/2021	UGC

Areas of Research

1. Data Science
2. Digital Image Processing

Research Supervision / Guidance

	Program of Study	Completed	Ongoing
Research	Ph.D. Programme	--	03
	M.Phil. (Computer Science)	58	-
Project	Post Graduate Programme - MCA/MSc	186	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
41	35	--	30	Course Material - 03

Cumulative Impact Factor (as per JCR) :

h-index : 10

i10 index : 10

Total Citations : 382

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs.)
		From	To		
1	Alagappa University Research Fund	31 st December 2009	March 2011	Study on Mapping Object to Relational Paradigm for Achieving Object Persistence	20,000
2	Alagappa University Research Fund	March 2017	September 2018	An Efficient Model for Improving the Quality of Personalized Recommender Systems	30,000
3	Mathematical Modelling and Computational Intelligence	RUSA 2.0	From September 17, 2018	Computational Intelligence in Healthcare	2,06,528

Patents

S.No	Title of the Invention	Application Number	Date of Filed	Date of Publication	Status
1	Optimizing call center queuing system using non-Markovian models and customer interaction using Natural Language Processing.	202041012642 A	23/03/2020	08/05/2020	Published
2	A Data Mining Tool for Monitoring and Reporting for a Change in a Realtime Data.	202141032482 A	19/07/2021	30/07/2021	Published
3	An Automatic Optimized Features Selection System in Retinopathy Detection Using Active Extreme Learning Machine	2021102935	28/05/2021	20/04/2022	Australian Granted (Innovation Patent)

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S.No	Title of the Invention	Registration Number	Date of Application	Date of registration
1	A Data Mining Tool for Monitoring and Reporting for a Change in a Real-Time Data	L-106657/2021	19/07/2021	19/08/2021

Name	Researcher Id
Web of Science	A-6477-2019
ORCID Id	https://orcid.org/0000-0002-5960-4103
Scopus	57198156730
Google Scholar	https://scholar.google.com/citations?user=RRgDaOwAAAAJ&hl=en&authuser=1
Researchgate	https://www.researchgate.net/profile/Prabhu_Paulraj3

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 10

Events Participated

Conferences / Seminars / Workshops: 40
Other Training Programs: 3
Resource persons in various capacities: 06

Membership in

Professional Bodies

1. Life Member: The Indian Science Congress Association, Kolkata, India.
2. *Member*: International Association of Computer Science and Information Technology (IACSIT), Singapore, 609431.
3. *Member*: International Association of Engineers (IAENG).
4. *Member*: Institute of Advanced Scientific Research (IASR) Irvine CA 92612, USA.
5. *Member*: Academy & Industry Research Collaboration Centre (AIRCC) Communities.

Review Board

1. Informatics in Medicine Unlocked, (Elsevier) ISSN: 2352-9148 from May 2020.
2. Visual Computing for Industry, Biomedicine, and Art,(Springer) from May 2021.

Academic Bodies (such as Board of Studies etc.,)

1. **Member:** Board of Studies in B.Sc (Information Technology), Affiliated Colleges of Alagappa University, Karaikudi from 22 April 2014 to 21 April 2017.
2. **Member:** Board of Studies in Computer Science Programmes, Centre for Distance and online Education. Alagappa University, Karaikudi from 3rd December 2015.
3. **Member:** Board of Studies in History, Centre for Distance and online Education. Alagappa University, Karaikudi.
4. **Member:** Broad Based Board of Studies, Department of computer Applications, Alagappa University. Karaikudi.
5. **Member,** Doctoral Committee, Anna University, Trichy.

Resource persons in various capacities

Number of Invited / Special Lectures /Radio Talks delivered: 2

Academic Foreign Visit:

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

Recent Publications

1. M. Sivakami, 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
2. 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.
3. 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.
4. Vasanthanageswari, Prabhu, P., Improving SVM Classifier Model Using Tree Structured Parzen Estimator Optimization for Crop Prediction, Journal of Theoretical and Applied Information Technology, 2022, 100(22), pp. 6808–6818
5. 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. <https://doi.org/10.1149/10701.7589ecst>
6. 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>
7. 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>.

8. S. Vasanthaneswari, P. Prabhu (2021), Parameter Optimized Random Forest Method for Crop Yield Prediction, *Design Engineering*, Issue.8 pp.8175-8186
9. Guna Sekhar Sajja, Malik Mustafa, R. Ponnusamy, Shokhjakhon Abdufattokhov, 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.
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. pp161-166. ISSN: 2231-2196 (Print) ISSN: 0975-5241 (Online).
11. 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.
12. 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.
13. 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.
14. K.Divya priya, 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).
15. 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).
16. 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)
17. 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)
18. K.Divya priya, 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))

