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Department of Artificial Intelligence and Datascience

FACULTY DETAILS

Staff Name	:	**Dr. R. Priscilla**
Date of Birth	:	04/02/1979
Educational Qualification	:	B.E., M.E., Ph.D
Area of Interest	:	Data Mining
Years of Experience	:	22 Years
Area of Research	:	Data Mining in Bioinformatics
No of Student Projects Guided	:	32
Supervisor	:	Anna University, Chennai
FDP & Workshop Funding	:	3,50,000/-
Research Projects (Granted)	:	-
R & D Activities	:	
Publication Details	:	**Journal** 1. Robinson Joel, M. Navaneethakrishnan, R. Priscilla, G. Gandhi Jabakumar "Fast fuzzy C-means clustering and deep Q network for personalised web directories recommendation" International Journal of Ad Hoc and Ubiquitous Computing, Volume 47, Issue 3(2024) 2. Dr.R.Priscilla, Dr.S.Geetha "A Smart Decentralised Framework To Track Patients Health Information Using Electronic Health Record With Block Chain Technology" International Journal of Future Generation Communication and Networking Vol. 13, No. 4, (2020), pp. 1911–1919

3. Dr.Glorindal Selvam Zacheous kasonda, Dr.R.Priscilla, "Improving Heart Disease Detection And Prediction Through Deep And Machine Learning Algorithms In Computed Tomography (Ct) Imagery", A Journal for New Zealand Herpetology, Volume12, Pages 970-977, Issue 01(2023)

4. Mr.Karthi M, Dr. Priscilla R, Jafer KS.A "Novel Content Detection Approach for Handwritten English letters"Procedia Computer Science. 2020 Jan 1;172:1016-25.

5. Dr. Priscilla Rajadurai, Mr Karthi Muthu, Mrs Niroshini Siddharth, Mrs Neelambary Venkatesan and Mr.Lokeshwar Kumar Tabjula," Detection Of Copy Right Infringement Of Audio in On-Demand Systems Using Audio Fingerprinting", International Journal of Engineering and Advanced Technology (IJEAT),Jan 2020.

6. Karthi, M., R. Priscilla, and E. Benila, "The patrons for anticipating veracity of rail mishaps using text mining and ID3 algorithm" International Journal of Pure and Applied Mathematics(2018) 119(15):1753-1759.

7. R. Priscilla., and Karthi, M., "Usage of Bioinformatic data for remote authentication in wireless networks" ICTACT Journal on Image and Video Processing, August 2018, Volume: 09, Issue: 01.

8. Priscilla, R. and Swamynathan, S. "A Semi-Supervised Hierarchical Approach: Two Dimensional Clustering of Microarray Gene Expression Data", Frontiers of Computer Science China, 2013,doi: 10.1007/s11704-013- 1076-z

9. Priscilla, R. and Swamynathan, S. "A Fast Quad-tree based Two Dimensional Hierarchical Clustering", Bioinformatics and Biology Insights, 2012:6, pp.265-274. doi: 10.4137/BBI.S10383

10. Ramya, N. and Priscilla, R. "XML Tree Pattern Minimization Optimization Technique", International Journal of Applied Engineering Research (IJAER), Volume 10, Number 66 (2015), pp.315-321

Conferences

1. R Deepa, R Priscilla, A Pandi, B Renukadevi "An Early Prediction Model for Chronic Kidney Disease Using Machine Learning "International Conference on Networking and Communications (ICNWC), Pages:1-10, IEEE (2024)

2. R Priscilla, R Deepa, A Pandi, "Agriculture-based Automation with recommendation systems based on AI models" Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Pages: 1582-1589, IEEE, 2023

3. M Karthi, R Priscilla, G Subhashini, GR Abijith, J Vinisha "Forest fire detection: a comparative analysis of deep learning algorithms", International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF) Pages:1-6, IEEE(2023)

4. R Priscilla, T Siva, M Karthi, K Vijayakumar, Rajin Gangadharan "Baseline modeling for early prediction of loan approval system International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF) Pages 1-7 Publisher IEEE(2023)

5. Dornadula, B., Geetha, S., Phamila, A.V., Priscilla, R., Vijayakumar, K. Forecasting the lung diseases from Rediography scans with hybrid Transfer Learning Techniques Proceedings of the 2021 IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021, 2021

6. Karthi, M., Muthulakshmi, V., Priscilla, R., Praveen, P., Vanisri, K. Evolution of YOLO-V5 Algorithm for Object Detection: Automated Detection of Library Books and Performace validation of Dataset Proceedings of the 2021 IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021, 2021

7. Modified Particle Swarm Optimization in Wireless Sensor

Network for Clustering and Routing Vijaya Prabhu, R., Anslam sibi, S., Priscilla, R. Lecture Notes in Electrical Engineeringthis link is disabled, 2021, 355, pp. 347–361

8. Presented a paper titled "A Blockchain Framework for Secure Transactions In Health Care" International e-Conference on Information, Communication and Networking 2020(IECICN-2020)" Easwari Engineering College, held on 10 & 11th July 2020

9. Presented a research paper titled as "A Novel content detection approach for handwritten English letters", 9 th world Engineering Education Forum 2019, Nov-2019,Chennai.

10.Presented a research paper titled as "Detection of Copy Right Infringement of Audio in On-Demand Systems Using Audio Fingerprinting", 2nd World Summit on Advances in Science, Engineering, and Technology (IndianaSummit 2019), Indianapolis, USA.

11.Karthi, M. Priscilla,R and Benila. "The Patrons for Predicting veracity of Rail Mishaps using ID3 Algorithm", Proceeding of the 6thWorld Conference on Applied Science, Engineering and Technology, 2018

12.Priscilla, R. and Swamynathan, S. "Efficient Two Dimensional Clustering of Microarray Gene Expression Data By Means Of Hybrid Similarity Measure'' Proceeding of the International Conference on Advances in Computing, Communications and Informatics, pp. 1047-1053, 2012. (Indexed in ACM digital Library).

13.Priscilla, R. and Swamynathan, S. "A High-Speed Two Dimensional Hierarchical Clustering of Microarray Gene Expression Data''. Proceeding of the International Conference on Information Systems Design and Intelligent Applications, pp. 539–546, 2012. (Indexed in Springerlink).

14.Priscilla, R. and Swamynathan, S. "An Efficient Hybrid Clustering Approach of Microarray Gene Expression Data''. Proceeding of the

	World Congress on Information and Communication Technologies, pp.556-561, 2011. (indexed in IEEE Xplore). 15. Priscilla, R. Prashantha, C.N. and Swamynathan, S. "Analysis of Gene Expression Data using MATLAB Software''. Proceeding of the 1st International Conference on VLSI, Communication, Computation and Security, pp. 53-58, 2010. 16. Ramya Vairamani, M., Priscilla, R. and Swamynathan, S. "Analysis of Gene Expression Data using Data Mining Techniques''. Proceeding of the International Conference of Information Systems and Software Engineering, pp. 218-222, 2009.
Patent Publication :	1. Patent Granted for "A Method for Malware Detection and Classification Using Multi-Level Resnet Paradigm on Pe Binary Images" application no. 2021100392; 22/01/2021 2. Patent Published for "System and method for Fluid Flow Management" application no. 202041008865; 03/09/2021 3. Patent Published for "AI Based Device To Identify Functioning Of Blood Circulation"407234-001; 25/04/2024
Book Chapters	1. "Computer Programming" – Airwalk Publication 2007 2. "An Intelligent Deep Learning-Based Wireless Underground Sensor System for Iot-Based Agricultural Application" 2021 https://www.taylorfrancis.com/chapters/edit/10.1201/9781003119838-13/intelligent-deep-learning-based-wireless-underground-sensor-system-iot-based-agricultural-application-priscilla-rajadurai-jaspher-kathrine
FDP & Workshop Attended Details :	1. Attended Workshop on Open Source and IBM Software in St.Joseph's College of Engineering 20th April 2007. 2. Attended Workshop on Semantic Web in Anna University, Chennai, 14th March 2008. 3. Attended Faculty Development Programme on Web Technology in Jerusalem College of Engineering, Chennai, 15th July 2011. 4. Co-ordinated a Workshop on Computer Networks 4th Sept 2014 Organized by both CSE & IT. 5. Participated in the one day conference ICTACT BRIDGE 2016 Chennai Edition held on 24th February 2016 at Chennai Trade Centre, Chennai.

6. Two days Workshop cum Industry visit on Digital Marketing, Social Media, Mobile Apps and SAP in Bangalore arranged by Purple Squirrel Eduventures Pvt. Ltd. CSRE Building, IIT Bombay, Powai.

7. Accompanied with the students to Industrial tour and Workshop to Bangalore for two days on January 8th and 9th 2015 and visited three companies Divum Corporate, Simplify 360 and SAP Labs.

8. In partnership with ICTACT EMC both CSE and IT has setup EMC Centre of Academic Excellence for Big Data Analytics.

9. Co-ordination with CSE department organized a training and certification of pre- final year students on Data Science and Big data Analytics through ICT Academy of Tamil Nadu.

10. Introduction to PHP Programming at B.S. ABDUR RAHMAN UNIVERSITY CHENNAI on 6th-7th Jan 2016

11. Participated in ICTACT Program on AWS Educated Day 2017 at Radisson Blu GRT, St. Thomas Mount, Chennai, India, on 13-07-2017.

12. Industrial Visit to Nokia Solutions Network Pvt Ltd in Navalur, Chennai on 30/08/2017.

13. Attended Two days workshop on Deep Learning for Computer Vision at VIT University, Chennai on 2nd and 3rd November 2017.

14. Attended the Faculty Development Program on the topic "Digitalization and its Future impact" held at Cognizant Office, Tambaram MEPZ on 20th May 2017.

15. Attended the FDP on the topic "Emotional Intelligence" @ Anna Adarsh College for Women on 14th & 15th May 2018.

16. Attended Three days FDP for Student Induction Programme, Easwari Engineering College,Chennai 15-17th Nov 2018

17. Attended Two Days Faculty Development Program on Introduction to Mobile App Development,Vels Institute of Science, Technology & Advanced Studies(VISTAS), 19- 11-2018 & 20-11-2018

18. NPTEL-AICTE FDP on Cryptography and Network Security Jan-April 2019

19. Attended Three days Hands-on Workshop Machine learning algorithm for IOT application – Mepcoschlenk engineering college,Sivakasi 6/5/19 to 8/5/19

20. Attended Three days Wipro's Academic Leadership Workshop TalentNext – Wipro Limited, Electronic City, Bangalore, 22-24 April 2019

21. Attended Online six days FDP on topic "Data Science using Python" in Mohamed Sathak A J College of Engineering, Chennai from 25/05/20 to 30/05/20

22. Attended Online One day FDP on topic "Internet of Things", DMI College of Engineering Chennai on 20/05/2020

23. Attended Online 7 days FDP on topic "PHP and MySQL" V.K.R, V.N.B & A.G.K College Of Engineering, Gudivada from 18/06/2020 to 24/06/20

24. Attended Online 3 days FDP on "Research Paper Drafting, Funding & Patent Methodologies" Dr.N.G.P. INSTITUTE OF TECHNOLOGY Coimbatore from 02/07/20 to 04/07/20

25. Attended Online 3 days Faculty Development Programme on "Deep Learning" Nehru College of Management Coimbatore from 20/07/20 to 22/07/20

26. Attended Online Five days FDP Data Science : Hands on with Python, Keras and Tensorflow, VIT university, Chennai from 14/09/20 to 18/09/20

27. Attended AICTE sponsored Two weeks online FDP on "Applications of Augmented Reality (AR) and Virtual Reality(VR) using MATLAB" IFET COLLEGE OF ENGINEERING, Villupuram from 1st February to 16th February 2021

28. Attended Online Five days National Faculty Development Programme on "RESEARCH METHODOLOGY" Government College for Girls, Ludhiana from 15th - 20th March, 2021

29. Attended One day FDP on "Mapping of Outcomes: Programme Outcomes, Course Outcomes and Learning Outcomes" organised by IQAC, St Thomas College Kozhencherry and KSHEC on 4 November 2020.

30. Attended AICTE sponsored two weeks online FDP on "Applications of Augmented Reality (AR) and Virtual Reality(VR) using MATLAB" from 1st February to 16th February 2021, organized by the Department of Electronics & Communication Engineering IFET COLLEGE OF ENGINEERING, Villupuram.

31. Attended National Faculty Development Programme on "RESEARCH

	METHODOLOGY" Government College for Girls, Ludhiana from 15th - 20th March, 2021.
	32. Attended Five Day Online Faculty Development Program on "Emerging Trends in Data Analytics" Dept of CSE, BMSIT from 10th to 14th May 2021.
	33. Attended FDP on DATA SCIENCE, organized by E & ICT Academy, NIT Warangal in association with St. Joseph's College of Engineering, Chennai from 15th - 24th MAY 2021
	34. Attended IP Awareness/Training program under "National Intellectual Property Awareness Mission (NIPAM)"on February 09,2022 organized by Intellectual Property Office, India
Nptel Certification/ Other courses	1. Data Base Management System 2.Cryptography and Network Security 3.Introduction to Machine Learning
Professional Membership :	• Life Member of International Association of Engineers (IAENG) membership number is: 172928 from 18.07.2016 • Member of Internet Society (ISOC) Member ID: 137549 from 16.07.2016 • Member of Institute For Engineering Research and Publication (IFERP) Member ID: PM01837964 from 25.06.2020