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OMR, CHENNAI - 119



Department of Artificial Intelligence and Datascience

FACULTY DETAILS

Staff Name	: M.Revathi
Date of Birth	: 27/06/1989
Educational Qualification	: B.Tech.,M.E.,(Ph.D)
Area of Interest	: Artificial Intelligence, Machine Learning, Deep Learning
Years of Experience	: 10 years 6 months
Area of Research	: Deep Learning
No of Student Projects Guided	: UG-21
Supervisor	: -
FDP & Workshop Funding	: -
Research Projects (Granted)	: -
R & D Activities	: -

Journal

- | | | |
|----------------------------|---|---|
| Publication Details | : | <ol style="list-style-type: none">1. “Major Disease Diagnosis And Treatment Suggestion System Using Data Mining Techniques”, International research Journal in Global Engineering and Sciences, ISSN: 2456-172X Vol. 1, Issue. 3, September - November, 2017 Pages 97-107.2. “Deploying smart contract in Ethereum Network as Decentralized Application”, International research Journal in Global Engineering and Sciences, ISSN: 2456-172X Vol. 1, Issue 2, June 2016 to August 2016 Pages 128-136.3. Revathi, M. & Raghuraman, G.. (2023). Kidney Stone Detection from CT Images using ALEXNET and Hybrid ALEXNET-RF Models. Journal of Circuits, Systems and Computers. 33. 10.1142/S021812662450107X. |
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Conferences

1. Revathi M, Rechu. WU and Sneha, "**Cyber Attack Classifications Using Supervised Learning Technique**," *2024 2nd International Conference on Artificial Intelligence and Machine Learning Applications Theme: Healthcare and Internet of Things (AIMLA)*, Namakkal, India, 2024, pp. 1-7, doi: 10.1109/AIMLA59606.2024.10531367.
2. Revathy, G., Vengateshwaran, M., Revathi, M., and Priyadharshini, K. V., "**Probabilistic techniques for location based services using computational intelligence**", in *American Institute of Physics Conference Series*, 2024, vol. 2802, no. 1, Art. no. 120035. doi:10.1063/5.0182351.
3. Revathi. M, Nathasri. R and Nishitha riya. TM, "**Object Localization and Recognition in High Resolution Satellite Image Using U-Net in CNN**," *2024 International Conference on E-mobility, Power Control and Smart Systems (ICEMPS)*, Thiruvananthapuram, India, 2024, pp. 01-05, doi: 10.1109/ICEMPS60684.2024.10559293.
4. M. Revathi, A. B. Godbin, S. N. Bushra and S. Anslam Sibi, "**Application of ANN, SVM and KNN in the Prediction of Diabetes Mellitus**," *2022 International Conference on Electronic Systems and Intelligent Computing (ICESIC)*, Chennai, India, 2022, pp. 179-184, doi: 10.1109/ICESIC53714.2022.9783577.
5. Revathi, M., Raghuraman, G., Visumathi, J. (2023). "**Performance Analysis of Machine Learning Algorithms in the Systematic Prediction of Chronic Kidney Disease on an Imbalanced Dataset**". In: Smys, S., Kamel, K.A., Palanisamy, R. (eds) *Inventive Computation and Information Technologies. Lecture Notes in Networks and Systems*, vol 563. Springer, Singapore. https://doi.org/10.1007/978-981-19-7402-1_12
6. A. B. Godbin, M. Revathi, S. N. Bushra and S. A. Sibi, "**An Efficient AI model for identification and classification of pneumonia from chest x-ray images**," *2022 International Conference on*

	<p><i>Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)</i>, Chennai, India, 2022, pp. 1-7, doi: 10.1109/ICSES55317.2022.9914292.</p> <p>7. Presented a paper on the topic “Feature Selection based Semi-supervised Subspace Clustering” in the Second Edition of Amrita International Conference of Women in Computing (AICWIC 2013) at Amrita Vishwa Vidyapeetham, Coimbatore on 9th Jan 2013.</p> <p>Books:</p> <ol style="list-style-type: none"> 1. S.Saravanan, M.Revathi, & C.P.Jetlin, ”Artificial Intelligence” (2021),Scitech Publications Pvt. Ltd., Chennai. ISBN:9788195330522
Patent Publication	<ol style="list-style-type: none"> 1. “Real time text-to-braille display device with optical character recognition”, published on 04/03/2022. 2. “IOT based Elderly people activity monitoring and detecting unusual activity in home”, published on 11/06/2021.
Honors & Awards	: -
FDP & Workshop Attended Details	<ol style="list-style-type: none"> 1. Attended 1 week International FDP on “Cutting-Edge Technologies in Computer Science” organized by Easwari Engineering College, Chennai during September’24. 2. Attended 1 week National level FDP on “Cloud Infra-Structure” organized by Measi Institute of Technology, Tamilnadu during August’23. 3. Attended 5 days FDP on “Machine Learning in Healthcare”, organized by Sri Sairam Institute of Technology, Chennai, during January’2023. 4. Attended 5 days FDP on “Industry 4.0”, organised by SRM Eswari Engineering college during December’2022. 5. Attended 5 days FDP on “Recent Advancements in Intelligent Computing Technologies”, organised by Sri Krishna College of Engineering and Technology during December’2022.

6. Attended one week FDP on **“Recent trends in Image Processing and its applications”** during September’2022.
7. Attended 5 days FDP on **“Microsoft Azure AI Engineer Associate”** organized by ICT Academy during April’22.
8. Attended two weeks International FDP on **“Recent trends and challenges in AI, IOT and Block Chain”** during February’2022.
9. Attended 5 days training programme on **“Cyber Security”**, organised by SRM Valliammai Engineering College, Chennai during November 2021.
10. Attended 1 week online AICTE Short Term Training Programme on **“Machine Learning on Recent Trends and Applications”**, during June’21.
11. Attended 4 weeks “Women Entrepreneurship Development Programme” conducted by IITM HTIC MEDTECH Incubator during March’21.
12. Attended 2 weeks AICTE sponsored online FDP on **“Artificial Intelligence & Ambient Intelligence”**, conducted by Hindustan Institute of Technology & Science during Jan’21.
13. Attended 10 days online FDP on **“Deep Learning & its Applications”**, conducted by IIT Roorkee during May’20.
14. Attended one week online course on **“Machine Learning”**, conducted by CSI chapter, Trivandrum during Apr’20.
15. Attended 3 days Value Added Program on **“Artificial Neural Network and Deep Learning A-Z for Beginners”** at VIT,Chennai during Nov’19.
16. Attended FDP on **“Mobile Application Development Lab”** at Sairam Engineering College, Chennai during Jan’16.

Professional Membership	:	IAENG Member -(Membership ID:306857)
LinkedIn ID	:	www.linkedin.com/in/revathi-gopinath-6b8164233
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