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**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
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OMR, CHENNAI - 119



### Department of Artificial Intelligence and Datascience

#### FACULTY DETAILS

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

#### Journal

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.

**Publication Details** :

## 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 Priyadarshini, K. V., "**Probabilistic techniques for location based services using computational intelligence**", in <i>American Institute of Physics Conference Series</i>, 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](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 “<b>Feature Selection based Semi-supervised Subspace Clustering</b>” in the Second Edition of Amrita International Conference of Women in Computing (AICWIC 2013) at <b>Amrita Vishwa Vidyapeetham, Coimbatore</b> on 9<sup>th</sup> Jan 2013.</p>
<b>Books:</b>	
	<ol style="list-style-type: none"> <li>1. S.Saravanan, M.Revathi, &amp; C.P.Jetlin, ”<b>Artificial Intelligence</b>” (2021),Scitech Publications Pvt. Ltd., Chennai. ISBN:9788195330522</li> </ol>
<b>Patent Publication</b>	<ol style="list-style-type: none"> <li>1. “<b>Real time text-to-braille display device with optical character recognition</b>”, published on 04/03/2022.</li> <li>2. “<b>IOT based Elderly people activity monitoring and detecting unusual activity in home</b>”, published on 11/06/2021.</li> </ol>
<b>Honors &amp; Awards</b>	: -
<b>FDP &amp; Workshop Attended Details</b>	<ol style="list-style-type: none"> <li>1. Attended 1 week International FDP on “Cutting-Edge Technologies in Computer Science” organized by Easwari Engineering College, Chennai during September’24.</li> <li>2. Attended 1 week National level FDP on “<b>Cloud Infra-Structure</b>” organized by Measi Institute of Technology, Tamilnadu during August’23.</li> <li>3. Attended 5 days FDP on “<b>Machine Learning in Healthcare</b>”, organized by Sri Sairam Institute of Technology, Chennai, during January’2023.</li> <li>4. Attended 5 days FDP on “<b>Industry 4.0</b>”, organised by SRM Eswari Engineering college during December’2022.</li> <li>5. Attended 5 days FDP on “<b>Recent Advancements in Intelligent Computing Technologies</b>”, organised by Sri Krishna College of Engineering and Technology during December’2022.</li> </ol>

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.

<b>Professional Membership</b>	:	IAENG Member -(Membership ID:306857)
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<b>Google Scholar ID</b>	:	<a href="https://scholar.google.com/citations?user=KNto-RcAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=KNto-RcAAAAJ&amp;hl=en</a>

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