



## 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>	:	9 years 4 months
<b>Area of Research</b>	:	Deep Learning
<b>No of Student Projects Guided</b>	:	UG-18
<b>Supervisor</b>	:	-
<b>FDP &amp; Workshop Funding</b>	:	-
<b>Research Projects (Granted)</b>	:	-
<b>R &amp; D Activities</b>	:	-

<b>Publication Details</b>	:	<b>Journal</b> <ol style="list-style-type: none"><li>1. <b>“Major Disease Diagnosis And Treatment Suggestion System Using Data Mining Techniques”</b>, International research Journal in Global Engineering and Sciences, ISSN: 2456-172X   Vol. 1, Issue. 3, September - November, 2017   Pages 97-107.</li><li>2. <b>“Deploying smart contract in Ethereum Network as Decentralized Application”</b>, International research Journal in Global Engineering and Sciences, ISSN: 2456-172X   Vol. 1, Issue 2, June 2016 to August 2016   Pages 128-136.</li></ol>
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### Conferences

1. 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.
2. 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)
3. 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 Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, Chennai, India, 2022, pp. 1-7, doi: 10.1109/ICSES55317.2022.9914292.
  4. 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 9<sup>th</sup> Jan 2013.

**Books:**

1.S.Saravanan, M.Revathi, & C.P.Jetlin, "**Artificial Intelligence**" (2021),Scitech Publications Pvt. Ltd., Chennai. ISBN:9788195330522

**Patent Publication**

- :
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.

**FDP & Workshop Attended Details**

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1. Attended 1 week National level FDP on "**Cloud Infrastructure**" organized by Measi Institute of Technology, Tamilnadu during August'23.
  2. Attended 5 days FDP on "**Machine Learning in Healthcare**", organized by Sri Sairam Institute of Technology, Chennai, during January'2023.
  3. Attended 5 days FDP on "**Industry 4.0**", organised by SRM Eswari Engineering college during December'2022.
  4. Attended 5 days FDP on "**Recent Advancements in Intelligent Computing Technologies**", organised by Sri Krishna College of Engineering and Technology during December'2022.
  5. Attended one week FDP on "**Recent trends in Image Processing and its applications**" during September'2022.

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

**Professional  
Membership**

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- IEEE Member
- IAENG Member -(Membership ID:306857)