Faculty Profile



Ms. J JESILA MOL, M. Tech., (Ph.D.)

Assistant Professor – AI&DS

HIGHLIGHTS:

- Number of Journal Publications:8
- H-Index:1
- Patents Published:2

PROFESSIONAL LINKS:

- Scopus ID: 56862310300
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=56862310300
- Google Scholar ID: https://scholar.google.com/citations?user=lhyfgrAAAAAJ&hl
- Anna University Faculty ID: 2640641984
- AICTE Faculty ID:1-43652352013
- LinkedIn: https://www.linkedin.com/in/jesila-mol-3b6418bb/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 12 years 2 months

AREA OF SPECIALIZATION:

- Python Programming
- Machine Learning
- Deep Learning
- Image Processing

PATENTS PUBLISHED/GRANTED:

- Blockchain-Based Medical Data Storage Device for Secure and Tamper-Proof Health Information Management, Indian Patent, 25 October 2024
- AI BASED DEVICE FOR PREDICTING MAINTENANCE OF INDUSTRIAL MACHINE, Indian Patent, 22 October 2024

COURSES CERTIFIED:

- Qualified for the UGC NET Examination conducted in 2021.
- Completed the NPTEL course “Introduction to Machine Learning” in March 2026.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Presented a paper titled “Comparative Analysis of Machine Learning and Deep Learning Algorithms for Brain Stroke Classification: A Literature Survey” at the 5th International Conference on Pervasive Computing and Social Networking (ICPCSN), IEEE, 2025, held at R.P. Sarathy Institute of Technology, Salem.

- Participated in 4th International Conference on Innovative Computing, Intelligent Communication and Smart Electrical systems (ICSES -2024) at St. Joseph's Institute of Technology, Chennai, India on 12-12-24.
- Participated in ATAL Faculty Development Program on **Integrating Machine Learning and Deep Learning in Real-Time IoT System at Saveetha Engineering College from 2/12/24 to 7/12/24.**
- Python Workshop, Sathyabama University
- MYSQL and PHP Workshop, Sathyabama University.
- Two-Day FDP on "Mobile Application Development with Android," Department of Information Technology, Sathyabama University.
- Two-Day Workshop on "Data Visualization using Reflective Design for Healthcare Analytics," School of Computing Science and Engineering, VIT Chennai.

INTERNATIONAL JOURNALS AND CONFERENCES

- J.Jesila Mol, J., Jancy, S.Developing an advanced deep learning-based MR image framework for brain stroke segmentation and classification with novel activation functionInternational Journal of Neuroscience,2026 https://doi.org/10.1080/00207454.2026.2685181 **(SCI and Scopus)**

- G. G. N S, J. Mol J, M. K. S, V. Reddy and M. T, "Biometric Spoofing Detection with Post-Quantum Cryptography Integration," 2026 9th International Conference on Computational Intelligence in Data Science (ICCIDS), Chennai, India, 2026, pp. 1-6, doi: 10.1109/ICCIDS69108.2026.11407868.

- J. J. Mol and S. Jancy, "Comparative Analysis of Machine Learning and Deep Learning Algorithms for Brain Stroke Classification: A Literature Survey," 2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN), Salem, India, 2025, pp. 640-647, doi: 10.1109/ICPCSN65854.2025.11035960.

- A. V. L. N. Rao, P. Suganthi, V. G, P. A. Nambi, S. K and J. J. Mol, "CNOL: An Efficient Red Blood Cell Smears Based Malaria Disease Detection Using Digital Image Processing

Technique with Convoluted Neural Optimization Logic," 2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICSES63760.2024.10910753.

- J JESILA MOL,"A Securable and Sharing Health Records in A Cloud Using Cryptographic Technique", Research Journal of Pharmaceutical, Biological and Chemical Sciences, Volume 6, Issue 5, 2015 (September - October) ISSN: 0975-8585, page.no 517-521(Scopus Indexed).
- M. Rajesh kumar and J. Jesila, "Data Anonymization of Vertically Partitioned Data Using MapReduce on Cloud", International Journal of Pharmacy & Technology ISSN: 0975-766X CODEN: IJPTFI, March-2016 | Vol. 8 | Issue No.1 | 10760-10769
- Rambabu Kumar, J Jesila Mol, "Avoiding compatibility issue using open stack cloud provider in cloud computing", International Journal of Pharmacy & Technology ISSN: 0975-766X CODEN: IJPT| March-2016 | Vol. 8 | Issue No.1 | 10814-10822
- P. Reeta, J. Jesila Mol," Providing secure database as a service with encrypted query processing in cloud", International Journal of Pharmacy & Technology ISSN: 0975-766X CODEN: IJPT| March-2016 | Vol. 8 | Issue No.1 | 10844-10852

PROFESSIONAL MEMBERSHIPS:

- IAENG Lifetime Member