Faculty Profile

Dr. M. MARY ADLINE PRIYA, M.E., Ph.D.,

Assistant Professor

Department of Medical Electronics

HIGHLIGHTS:

- Number of Journal Publications:6
- H-Index:3
- Patents Granted:1

PROFESSIONAL LINKS:

- Scopus ID: 57219550204
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57219550204
- Google Scholar ID: https://scholar.google.com/citations?user=5JUTHXIAAAAJ&hl=en
- Anna University Faculty ID: 266234
- AICTE Faculty ID:1-10558405711
- Anna University Supervisor ID: 4140040
- LinkedIn: https://www.linkedin.com/in/mary-adlin-priya-michael-72104a343/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 8 years

AREA OF SPECIALIZATION:

- Medical Imaging
- Image Processing

PATENTS PUBLISHED/GRANTED:

- Wearable Device For Monitoring Of Vital Body Health Information- Design number: 6293790 Grant date: 08 August 2023 - UK Design

COURSES CERTIFIED:

- Computer Vision and Image Processing-Fundamentals and Applications conducted by NPTEL –AICTE, MHRD -12 Weeks from January – April 2023.
- Deep Learning by SkillDzire –AICTE-SWAYAM Plus, 1 month, October 2024.

JOURNAL ARTICLES:

- M. Mary Adline Priya, Dr. S. Joseph Jawhar, "Dropout AlexNet-extreme learning optimized with fast gradient descent optimization algorithm for brain tumor classification" Concurrency and Computation: Practice And Experience, Volume 35, Issue 6, January 2023, Annexure-I, https://doi.org/10.1002/cpe.7543
- M. Mary Adline Priya, Dr. S. Joseph Jawhar, Dr. J. Merry Geisa "Optimal Deep Belief Network with Opposition based Pity Beetle Algorithm for Lung Cancer Classification: A DBNOPBA Approach", Computer Methods and Programs in Biomedicine (Elsevier), vol. 199, 105902, February 2021, ISSN: 0169-2607, Annexure-I, Impact Factor 2020: 3.632. https://doi.org/10.1016/j.cmpb.2020.105902
- Mary Adline Priya, M & Joseph Jawhar, S 2020, "Advanced lung cancer classification approach adopting modified graph clustering and whale optimisation-based feature selection technique accompanied by a hybrid ensemble classifier, IET Image Processing, vol. 14, no. 10, pp. 2204-2215, ISSN: 1751-9659, Annexure-I, Impact Factor 2020: 2.004. doi:10.1049/iet-ipr.2019.0178
- M. Mary Adline Priya, Dr. S. Joseph Jawhar, "Lung Disease Identification and Segmentation in Medical Images", International Journal of Engineering Trends and Technology, vol.67 no.8, pg.no. 87-91, August 2019. ISSN: 2231-5381, IF:2.45. DOI: 10.14445/22315381/ijett-v67i8p215
- Brain Cancer Segmentation in MRI Using Fully Convolutional Network with the U-NET Model, IEEE Xplore, 10 July 2024, DOI:10.1109/ICITIIT61487.2024.10580690, ISBN:979-8-3503-8682-0, 2024 5th International Conference on Innovative Trends in Information Technology (ICITIIT).
- Brain Tumor Classification in MRI Images: A CNN and U-Net Approach" Multi-Strategy Learning Environment, Algorithms for Intelligent Systems, https://doi.org/10.1007/978-981-97-1488-9_19, Springer.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Presented a paper in the 5th International Conference on Innovative Trends In Information Technology (ICITIIT'24), titled "Brain Cancer Segmentation In MRI Using Fully Convolutional Network With The U-Net Model, in India Institute of Information Technology Kottayam, March 2024.
- Presented a paper in the 5th International Conference on Multi-Statuary Learning Environment (ICMSLE2024), titled "Brain Tumor Classification in MRI Images: A CNN and U-Net Approach, in Graphic Era Hill University, Dehradun January, 2024.

- International Seminar on “Electric vehicles-exploring inside the box” by SRM Institute of Science and Technology from 30.01.2023 to 03.02.2023.

FDP ATTENDED:

- Six Days Online International Faculty Development Program on “Harnessing Artificial Intelligence for Healthcare Excellence: Innovations, Insights and Impacts” organized by Department of Biomedical Engineering, SRM Institute of Science and Technology, Ramapuram from 24th -29th June 2024.
- AICTE Recognized Faculty Development Programme on Communication Technologies - Connectivity Evolutions Conducted by Electronics and Communication Engineering Department From 27/05/2024 to 31/05/2024 (One Week) at NITTTR, Chandigarh.
- AICTE Recognized Faculty Development Programme on Free Simulators for ECE Lab Practices Conducted by Electronics and Communication Engineering Department from 11/03/2024 to 15/03/2024 (One Week) at NITTTR, Chandigarh.
- AICTE Recognized Faculty Development Programme on Arduino based system design using Tinker CAD Free Simulator Conducted by Electronics and Communication Engineering Department from 05/02/2024 to 09/02/2024 (One Week) at NITTTR, Chandigarh.
- AICTE Recognized Faculty Development Programme on Latest Wireless Technologies Conducted by Electronics and Communication Engineering Department from 07/08/2023 to 11/08/2023 (One Week) at NITTTR, Chandigarh.
- Computer Vision and Image Processing-Fundamentals and Applications conducted byNPTEL –AICTE, MHRD -12 Weeks from January – April 2023.
- AICTE Recognized Faculty Development Programme on Scilab Programming for Beginners Conducted by Electronics and Communication Engineering Department from 24/07/2023 to 28/07/2023 (One Week) at NITTTR, Chandigarh.
- Six days Faculty Development Programme on "Empowering Innovators: Unleashing the Potential of Intellectual Property, Research Funding, Technology and Entrepreneurship", Organized by the Department of Electronics and Communication Engineering, Panimalar Engineering College from 24-07-2023 to 29-07-2023.
- Participated in IET-UK sponsored FDP Programme on Future research and InnovationTechnologies from 06-03-2023 to 11-03-2023.