

Faculty Profile

Dr. S.Shirly, M.E., Ph.D

Assistant Professor,

Department of Computer Science and Engineering

shirly@karunya.edu



Academic Background

Degree	University	Year
Ph.D	Anna University	2020
M.E	Anna University	2015
B.E	Anna University	2013

Courses Taught

- Data Visualization
- Soft Skills
- Computer Networks
- Operating System

Research Interests

- Medical Image Processing
- Internet of Things
- Data mining

Most recent Publications

- Kesavan, Ramesh, Misba Muthian, Karuppasamy Sudalaimuthu, **Shirly Sundarsingh**, and Saravanan Krishnan. "ARIMA modeling for forecasting land surface temperature and determination of urban heat island using remote sensing techniques for Chennai city, India." *Arabian Journal of Geosciences* 14, no. 11 (2021): 1-14.
- **Shirly Sundarsingh**, and Ramesh Kesavan. "Diagnosis of disc bulge and disc desiccation in lumbar MRI using concatenated shape and texture features with random forest

classifier." *International Journal of Imaging Systems and Technology* 30, no. 2 (2020): 340-347.

- **Shirly, S.**, and K. Ramesh. "Review on 2D and 3D MRI image segmentation techniques." *Current Medical Imaging* 15, no. 2 (2019): 150-160.
- **Shirly, S.**, and K. Ramesh. "Review on Deep Learning Algorithm in Medical Image Analysis.", *International Journal of Trend in Research and Development*, Special Issue, September 2017.
- **Shirly, S.**, R. Pon Rohini, and DC Joy Winnie Wise, "Improving the Connectivity of Ad Hoc Cognitive Radio Networks using Scheduling and Queuing", *International Journal for Technological Research in Engineering*, Vol 2, Issue 8, April 2015.
- **Shirly, S.**, R. Ravi, and Y. Sheela. "A Hybrid Approach for Improving the Connectivity of Ad Hoc Cognitive Radio Networks." *International Journal of Emerging Technology in Computer Science & Electronics*, Vol 12, Issue 4, February 2015.
- Pon Rohini, R., **S. Shirly**, and D. C. Joy Winnie Wise. "Multipath routing using neuro fuzzy in wireless sensor network." *International Journal for Research in Applied Science and Engi-neering Technology* Vol 3, Issue 4, April 2015.

Projects Guided

- Nil

Significant achievements:

- Nil