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Dr.M.Karthikeyan, Assistant Professor in the Department of Electrical and Electronics Engineering has 20 Years of teaching experience. He received his B.E Electrical and Electronics Engineering degree from Madurai Kamaraj University, M.E. Applied Electronics from Bharathiar University and Ph.D from Anna University.

Areas of Research:

Signal processing, Machine learning and Deep Learning Applications to Power System Engineering.

Publications:

1. M.Karthikeyan, R.Rengaraj, "Signal Injection based Fault Location Scheme for MVDC Shipboard Power Systems" Journal of Electrical Engineering, Vol. 2018, No.4 December 2018, pp.90-96.

2. M.Karthikeyan, R.Rengaraj, "Fault Classification and Location in MVDC Shipboard Power Systems using Extreme Learning Machine" Journal of Electrical Engineering, Vol.17, No.1, March 2017, pp.427-438.

3. M.Karthikeyan, R.Rengaraj, "Mutual Impedance based Protection Scheme for Series Compensated Transmission Line", International Journal of Control Theory and Applications, Vol.10, No.02, January 2017, pp.165-181.

4. M.Karthikeyan, R.Rengaraj, "Fault Classification and Location of an UPFC-Compensated Transmission Line using Extreme Learning Machine" International Journal of Control Theory and Applications, Vol.10, No.02, January 2017, pp.183-194.

5. M.Karthikeyan, R.Rengaraj "Fault Protection Scheme for DC Ring Bus Microgrid System", International Journal of Applied Engineering Research, Vol. 10, No.5 March 2015, pp. 4387-4392.

6. S.Tharun Kumar, M.Karthikeyan, M.Anand, S.K.Surya, "Distance Protection Scheme for Transmission Lines", International Journal for Research in Applied Science & Engineering Technology Volume 4 Issue V, May 2016, pp.146-153.

7. M.Karthikeyan, R.Rengaraj, "Autoregressive Signal Modeling and Extreme Learning Machine based Fault Classification and Location in UPFC-Compensated Line" International Journal of Control Theory and Applications, Vol.10, No.29, 2017, pp.285-297.

8. V.Kathiravan, M.Karthikeyan, "Investigation On Unified Control And Power Management Scheme For PV-System" International Journal of Pure and Applied Mathematics, Vol. 118, No.24, 2018, pp.1-9.

9. M.Karthikeyan, V.Malathi, “Wavelet transform and Support Vector Machine Approach for Classification of Power Quality Disturbances” International Journal of Recent Trends in Engineering, Academy Publishers, Finland, Vol. 1, No. 3, May 2009, PP.290-293.

Book Chapters Published:

1. M.Karthikeyan, R.Rengaraj, “An Integrated approach for Fault Detection, Classification and Location in Medium Voltage Underground Cables” in the book titled “Artificial Intelligence Applications in Electrical Transmission and Distribution Systems Protection”, CRC Press, Taylor and Francis Group, 2021.

2. Jancy D., Karthikeyan M. “Single Line-To-Ground Fault Protection Scheme for Radial Distribution System” In: Seyezhai R., Karuppuchamy S., Ashok Kumar L. (eds) Recent Trends in Renewable Energy Sources and Power Conversion. Springer Proceedings in Energy. Springer, Singapore. https://doi.org/10.1007/978-981-16-0669-4_5, 2021.

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