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Dr. K.DEEPA

Designation: Assistant Professor

Qualifications: Ph.D. (Electronics and Communication Engineering)

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Research Interest : Wireless Sensor Networks, Smart Grids, Embedded Systems

+ Journal Publication Details:

K.Deepa, Shruti Vashist, Zaheeruddin (2021) Density based Fuzzy C-means clustering to prolong Network lifetime in smart grids, Wireless Personal Communications DOI: 10.1007/s11277-021-08371

Deepa Kalaimani, Zaheeruddin & Shruti Vashist (2020) Energy-efficient density-based Fuzzy C-means clustering in WSN for smart grids, Australian Journal of Multi-Disciplinary Engineering Vol. 139, pp 1-16.

K.Deepa, **Zaheeruddin** & **Shruti Vashist** (2020) “MDRP: An Energy-Efficient Multi-Disjoint Routing protocol in WSNs for Smart Grids” International Journal on Smart Sensing and Intelligent Systems Vol. 13, No. 1, pp. 1-15.

Kanika Tayal, P.M.Arivananthi, Nitika, K.Deepa, Vijay Gill (2016) , “Denoising of ECG Signal Using Savitzky Golay Filters”, International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4.

Kanika Tayal, P.M.Arivananthi, Vijay Gill, K.Deepa, Nitika (2016) “Review Paper On Prolongation Of PR Interval And Denoising ECG Signal Using Wavelets”, International Journal of Innovations in Engineering and Management (IJIEM), Vol. 5, No. 1.

Bashrat Bahir , K.Deepa, Nitika, Vijay Gill, P.M.Arivananthi (2016) “ECG Signal as a Biometric”, International Journal of Innovations in Engineering and Management (IJIEM), Vol. 5.

Kanika Tayal, **K.Deepa**, P.M. Arivahananthi, Nitika, Vijay Gill (2016) “Analysis of Prolonged Interval of PR Segment for First AV Blockage”, International Journal of Research In Advanced Engineering Technologies (IJRAET), Vol. 4.

+ Conference Details:

Deepa, K. and Khurana, M.S., (2018) April. "Optimization of Routing in Smart Grids Using Intelligent Techniques". In Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT) (pp. 26-27).

K.Deepa, Meenakshi Khurana (2018) "Optimization of Routing in Using Genetic Algorithm" In Proceedings of 5th International Conference on "Computing for Sustainable Global Development", INDIACom.

Kanika Tayal, **K.Deepa** (2016) "Denoising of ECG Signal Using Savitzky Golay Filters" In Proceedings of National Conference on Emerging trends and innovations in Electronics and Telecommunication Engineering (ETIETE-2016).

Bashrat, **K.Deepa** (2016) "ECG Signal as Biometric" In Proceedings of National Conference on Recent Innovations in engineering and Technology (NCRIET-2016).

Kanika Tayal, **K.Deepa** (2016) "Review paper on prolongation of PR interval and Denoising ECG signal using Wavelets" In Proceedings of National Conference on Recent Innovations in engineering and Technology (NCRIET-2016).

Kanika Tayal, **K.Deepa** (2016) "Identification of an Individual using ECG signal" In Proceedings of National Conference on Emerging trends and innovations in Electronics and Telecommunication Engineering (ETIETE-2016).

Bashrat, **K.Deepa** (2016) Denoising of ECG Signal Using Savitzky Golay Filters" In Proceedings of National Conference on Emerging trends and innovations in Electronics and Telecommunication Engineering (ETIETE-2016).

K.Deepa, S.Saravana Kumar (2009) "FPGA based CO-design for an SOC Embedded Network Controller" In Proceedings of International Conference on Intelligent Systems and control (ISCO 2009).

Research Supervised:

[1] M.Tech Thesis on " **Prolonged Interval of PR Segment for First AV Blockage**" Year - 2016 (Completed)

[2] M.Tech Thesis on " **ECG Signal as a Biometric**" Year - 2016 (Completed)

+ Administrative Responsibilities:

IQAC departmental Coordinator, Summer Training Coordinator ECE Dept. from 2014 to 2018)

+ Professional Affiliation:

Member of IEEE.