

FACULTY PROFILE



Dr. M. Rajmohan, M. Tech., Ph.D

Assistant Professor (S.G),
Electronics & Communication Engineering Department,
Hindustan Institute of Technology and Science
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Experience: 14 yrs.

Research area: Software Defined Radio, 5G Waveforms for SDR

Recent Publications:

1. Rajmohan Madasamy and Himanshu Shekhar, "Pulse Shaping Filter for CP-OFDM PAPR Reduction," Micro-Electronics and Telecommunication Engineering. Lecture Notes in Networks and Systems, K. Sharma et al.,eds., Springer, Singapore, 179, 2021, 389-394. ISBN: 978981334687136. (Scopus Indexed).
2. Rajmohan, M. and Himanshu Shekhar (2020). Area Efficient Multistage Decimator Using Xilinx System Generator for Acoustic Applications. Journal of Green Engineering., 10(10):8427-8440. (Scopus Indexed).
3. Rajmohan, M., M. Abraham, D. Sahaya Lenin, and P. Pandiaraj. "Cluster Analysis for MRI Brain Tumor Segmentation." Medico Legal Update, Vol. no.20, Issue no.3, pp. 356-361, September 2020. (Scopus Indexed).
4. Rajmohan, M., K. Sakthidasan Sankaran, and T. Rasagna. "Design of 4-Bit Dual Edge Triggered Counter using Quantum DOT Cellular Automata." In 2020 International Conference on Communication and Signal Processing (ICCSP), pp. 1467-1471. IEEE, July 2020 (Scopus Indexed)
5. Rajmohan, M., and Himanshu Shekhar. "Design of parallel and pipelined DA based OBC FIR filter for software defined radio." Indonesian Journal of Electrical Engineering and Computer Science, Vol. no. 14, Issue no. 3, pp. 1228-1234, June 2019. (Scopus Indexed).

Patent Filed:

1. Speech Communication for Severely Paralyzed (SComSP) Using Machine Learning Technique

MOOC Courses:

Completed 19 courses during the year 2020