

FACULTY PROFILE



Dr.Aby.K.Thomas,M.E, Ph.D

Professor

Department of Electronics and Communication Engineering

Hindustan Institute of Technology and Science

abykt@hindustanuniv.ac.in

Experience:27 years

Research area: Wireless Adhoc Networks/Image Processing/VLSI

Recent Publications: 25

Automatic Prediction of Environmental Hazardous Gas Leakage Using Machine Learning Technique and Wireless Sensor Networks,in Journal of Green Engineering (JGE),Volume-10, Issue-7, (2020)

Simulation and Analysis of Area, Delay Efficient FFT Architecture for OFDM Applications,in the Journal of Xi'an University of Architecture & Technology, Volume XII, Issue IV, Page No: 5548-5554 (2020)

Book Chapter Publication: “A Novel FFT Architecture for an Efficient Utilization of OFDM Using Adaptive FFT Method” in Recent Trends and Advances in Artificial Intelligence and Internet of Things, Springer,ISRL Series (2019)

“ A Compact Dielectric Resonator Antenna for X-band Applications in Sustainable Environment “ Journal of Green Engineering (JGE) Volume-9, Issue-3,(2019)

‘Minimizing the energy consumption of WSN by using modified hybrid energy efficient distributed clustering protocol, in the International Journal of Engineering

&Technology, 7 (3.24) (2018)

‘Design of “32” Point Split Radix based Multipath DelayCommutator FFT Architecture for Low Power Applications, in the Indonesian Journal of Electrical Engineering and Computer Science, Vol. 11, No. 3, (2018)

‘Performance investigation of low power radio duty cycling MAC for resourceconstrained WSN’, in the International Journal of Engineering & Technology, 7 (1.9) (2018)

‘Design and Implementation of an Efficient FFT Processor using Modified Booth Multiplier, in the International Journal of Control Theory and Applications, Vol. 10, 2017

Published Two Technical Books

Electron Devices – Vijay Nicole imprints Private Limited.

ISBN:978-81-8209-382 (2012)

Electric Circuits & Electron Devices – Tata McGraw Hill Publishing Company Ltd, New Delhi

ISBN:978-81-8209-310-2 (2012)