

**S Merlin Gilbert Raj**

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RESEARCH/TEACHING INTERESTS

5G Millimeter wave communication-Channel Estimation-Spectrum Sensing-Wireless communications-Detection and Estimation Theory-Analog and Digital Communication-Digital Signal Processing-Electromagnetics Waves-RF Antenna and circuit design-Modern radar systems-Communication networks-Software defined radio- Ham Radio-Microcontroller-Peripheral Interfacing-Internet of Things-Simulation Tools-Matlab-Communication & Signal Processing Toolbox- LabVIEW-Communication system design suite-NS2-FEKO-HFSS-AWR Microwave Office-Axiem-Analyst-Visual system simulation- RF Measurements- RF vector signal generator-Spectrum analyzer-vector network analyzer

EXPERIENCE

Assistant Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2012 - present

Assistant Professor, Electronics and Media Technology, Karunya Institute of Technology and Sciences, Coimbatore India, 2011 - 2012

Lecturer, Electronics and Media Technology, Karunya Institute of Technology and Sciences, Coimbatore, India, 2009 - 2011

EDUCATION

Degree	Branch/ Specialization	University	Class	Mode	Month & Year of Passing
Ph.D.,	Electronics and Communication Engineering	Karunya Institute of Technology and Sciences		Part Time	Feb 2021
M.E.,	Communication Systems	Anna University	First Class	Full Time	May 2009
B.E.,	Electronics and Communication	Anna University	First Class	Full Time	May 2005

SUMMARY OF INTERNATIONAL JOURNAL& CONFERENCE PUBLICATIONS - [PUBLISHED & ACCEPTED]

Year	International Journal Publications	International Conference Publications	National Conference publications
2009 - 2021	7	6	3