



NESASUDHA.M

Professor, Department of Electronics and Communication Engineering
 Karunya Institute of Technology and Sciences
 Coimbatore 641114, Tamil Nadu, India
 Mobile : +91- 9443010445
 Email : nesasudha@karunya.edu / nesasudham@gmail.com

RESEARCH/TEACHING INTERESTS

Analysis of energy efficiency in Wireless sensor networks, Flexible antenna design for medical applications, optimization techniques, Antenna design for wireless body area networks, Microprocessors, Microcontrollers, Linear Integrated Circuits, Electronic circuits, Computer Communication, Internet of Things, Communication Engineering, Wireless networks, Control systems, Adaptive signal processing, biological effects of microwave, Wireless sensor networks.

EXPERIENCE

- Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2021 – present
- Associate Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, 2013 – 2021
- Assistant Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, 2008 – 2013
- Sr. Lecturer, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, 2003 – 2008
- Lecturer, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 1999 – 2003

EDUCATION

Degree	Branch / Specialization	University	Class	Mode	Month & Year of Passing
Ph.D.,	Electronics and Communication	Anna University	-	part Time	sFeb 2013
M.E.,	Applied Electronics	Bharathiar University	Distinction	Full Time	March 2003
B.E.,	Electronics and Communication	Bharathiar University	First Class	Part Time	April 1997

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

Year	International Journal Publications	International Conference Publications	National Conference publications
2009 - 2025	50	52	-

PATENTS

1	Flexible loop antenna/sensor for medical monitoring at 2.45ghz, Application No.202141025459 A, Publication Date: 25/06/2021, Granted date : 13.12.2023
2	Step impedance resonator structure based flexible antenna for wearable applications, Application no.202141010036 a, publication date: 19/03/2021, Granted date : 12.12.2023

RESEARCH PROJECTS

#	Title of the project	Funding Agency	Amount(Rs.)	Year
1	Design and Development of body worn antenna for wireless applications	DRDO	39.4 lacks	2018-2021

RESEARCH GUIDANCE

Research guidance as supervisor	Completed	Ongoing
Doctor of Philosophy - PhD Thesis advising	9	6
Master of Engineering - Master's Thesis advising	25	-

PROFESSIONAL MEMBERSHIPS

1	Life member of ISTE
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AWARDS/HONORS

- Innovative Technological Research & Dedicated Professional Engineer Award
- Achievers Award