

**NESASUDHA.M**

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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

1. Innovative Technological Research & Dedicated Professional Engineer Award
2. Achievers Award