# J. Anitha

Professor, Department of Electronics and Communication Engineering
Karunya Institute of Technology and Sciences
Coimbatore 641114, Tamil Nadu, India
Mobile : +91- 9486078177 Email : anithaj@karunya.edu/ anitha14121980@gmail.com
https://www.scopus.com/authid/detail.uri?authorId=57204786853

## RESEARCH/TEACHING INTERESTS

Research Interest: Medical Image Processing, Artificial Intelligence and Machine Learning Methods, Satellite Image analysis.

Teaching Interests: Digital Image Processing, Artificial Neural Network, Brain Computer Interface, Electronic Devices, Electronic Devices.

## EXPERIENCE

- **Professor**, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, August 2021 – present.
- **Associate Professor**, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, March 2014 – June 2021.
- **Assistant Professor**, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, Feb 2009 – Feb 2014.
- **Sr. Lecturer**, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, Jan 2007 – Jan 2009.
- **Lecturer**, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, Nov 2003 – Dec 2006.

## EDUCATION

| Degree | Branch / Specialization | University | Class | Mode | Month &Year of Passing |
|---|---|---|---|---|---|
| **Ph.D.,** | Electronics and Communication | Karunya University | - | part Time | May 2013 |
| **M.E.,** | Applied Electronics | Anna University | Distinction | Full Time | May 2004 |
| **B.E.,** | Electronics and Communication | Bharathiar University | First Class | Part Time | April 2002 |

## SUMMARY OF INTERNATIONAL JOURNAL& CONFERENCE PUBLICATIONS – [PUBLISHED & ACCEPTED]

| Year | International Journal Publications | International Conference Publications | National Conference publications |
|---|---|---|---|
| 2009 - 2025 | 67 | 45 | - |

## PATENTS

| 1 | A Wheelchair with Control System Using Eyeball Tracking Technology and Speed Control Module Date: 05/09/2025 |
|---|---|

## RESEARCH PROJECTS

| # | Tittle of the project | Funding Agency | Amount | Year |
|---|---|---|---|---|
| 1 | Developing software tools for automated screening of Diabetic Retinopathy (DR) in abnormal retinal images | CSIR | 2.78 lakhs | 2012-2014 |
| 2 | Intelligent Transportation Infrastructure (ITI) for Urban Environments and Modern Cities | GCRF, Govt of UK | 35 lakhs | 2019-2021 |
| 3 | Development of Software Tools for Change Detection in SAR Images to Monitor Adversarial Activities in Military Applications | Ar & DB, Ministry of Defence, DRDO | 20.2266 Lakhs | 2025-2027 |

## RESEARCH GUIDANCE

| Research guidance as supervisor | Completed | Ongoing |
|---|---|---|
| Doctor of Philosophy - PhD Thesis advising | 8 | 7 |
| Master of Engineering - Master's Thesis advising | 11 | - |

## AWARDS/HONORS

1. Women achiever award by M/S Accenture.
2. Best AI project @ University of Moratuwa, Srilanka.