

**THUSNAVIS BELLA MARY I**

Assistant Professor (Selection Grade), Division of Electronics and Communication Engineering

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RESEARCH/TEACHING INTERESTS

Multimedia Image Retrieval for Medical Diagnosis, Statistical Feature Extraction, Optimization algorithm, Microprocessors, Microcontrollers, Network Theory, Linear Integrated Circuits, Electronic Devices, Electronic Circuits, Cloud Computing, Internet of Things, ARM processors.

EXPERIENCE

- Assistant Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2011 – present
- Lecturer, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2009 – 2011
- Teaching Research Associate, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, August 2008- December 2008.

EDUCATION

Degree	Branch / Specialization	University	Class	Mode	Month & Year of Passing
Ph.D.,	Information and Communication Engineering	Anna University	-	Part Time	March 2020
M.E.,	Applied Electronics	Karunya University	First Class with Distinction	Full Time	April 2009
B.E.,	Electronics and Communication	Anna University	First Class with Distinction	Full Time	April 2007

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

Year	International Journal Publications	International Conference Publications	National Conference publications	Edited Books & Book Chapters
2009 - 2025	17	24	2	5

RESEARCH PROJECTS

#	Title of the project	Funding Agency	Amount(Rs.)	Year
1	Intelligent Traffic Control System using Image Processing	Karunya University	10,000	2014-2015
2	Configurable and Scalable IoT SOC for Automobile applications.	MeitY under C2S Programme	84.61 Lakh	2023-2028

RESEARCH GUIDANCE

Research guidance as supervisor	Completed	Ongoing
Doctor of Philosophy – PhD Thesis advising	-	4
Master of Engineering - Master's Thesis advising	11	-

PATENTS

IoT based remote monitoring and alerting system using integrated dual-communication system for human-animal conflict mitigation, Application No. 202541069047 A, Publication Date: 25/07/2025.

PROFESSIONAL MEMBERSHIPS

1	Member of IEEE
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AWARDS/HONORS

1. “Best Paper presenter” in ICEECOT -2017 in association with IEEE Bangalore Section, GSSS Institute of Engineering & Technology for Women, Mysuru on 15th and 16th December 2017.