



D. RAVEENA JUDIE DOLLY

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RESEARCH/TEACHING INTERESTS

Dr. D. Raveena Judie Dolly's research interests primarily focuses on research in image and video processing, medical image analysis and machine learning. The academic portfolio includes ICMR-funded projects centered on developing assistive technologies for healthcare applications. Teaching interests encompass artificial intelligence, machine learning, Programming and Analog Communication. A strong emphasis is placed on integrating research insights into classroom learning to foster innovation. The professional approach highlights the application of computational intelligence to solve real-world challenges in healthcare and engineering.

EXPERIENCE

- Assistant Professor (SG), Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2021 – present
- Assistant Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, India, 2010 – 2021
- Assistant Professor, Electronics and Communication Engineering, KMCT college of Engineering, Calicut, 2008 – 2009
- Lecturer, Electronics and Communication Engineering, NIT - Calicut, Kerala, 2007 – 2008
- Lecturer, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2006

EDUCATION

Degree	Branch / Specialization	University	Class	Mode	Month & Year of Passing
Ph. D	Electronics and Communication	Karunya University	-	Part Time	Aug 2017
M.E	Applied Electronics	Karunya University	First Class	Full Time	May 2006
B.E	Electronics and Communication	Bharathiar University	First Class	Part Time	May 2004

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

Year	International Journal Publications	International Conference Publications	National Conference publications
2009 - 2021	22	22	-

PATENTS

1	Device and Method for Design and Development of a Medical Glove for Hand Tremor Management Caused By Parkinson's Disease, Publication Date: 05/01/2024
2	Portable Sanitizing Device for Handrails, Publication Date: 05/09/2025

RESEARCH PROJECTS

#	Tittle of the project	Funding Agency	Amount(Rs.)	Year
1	Design and Development of a Low Cost Medical Glove for Hand Tremor Management Caused by Parkinson's Disease	ICMR	10.20 lakh	2021-2022
2	Design and Development of a Low Cost Smart Sanitizing Device or Handrails in Public Transport to Control COVID-19	ICMR	10.69 Lakh	2022-2023

RESEARCH GUIDANCE

Research guidance as supervisor	Completed	Ongoing
Doctor of Philosophy - PhD Thesis advising	-	5
Master of Engineering - Master's Thesis advising	25	-

PROFESSIONAL MEMBERSHIPS

1	IAENG, IACSIT
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AWARDS/HONORS

- Achiever award 2020-21
- Achiever award 2023