

**K. MARTIN SAGAYAM**

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**RESEARCH/TEACHING INTERESTS**

Hand gesture image recognition using optimized hidden Markov model, image processing, pattern recognition, virtual reality, augmented reality, artificial intelligence, signal and systems, digital signal processing, electromagnetic fields and waveguide, antenna and wave propagation, microwave and optical communication, information theory and coding, routing algorithms for wireless mobile networks, satellite communication, basic electronics engineering, and optical network and photonic switching.

**EXPERIENCE**

Assistant Professor, Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore, India, 2013 - present

Teaching Fellow, Electronics Engineering, Anna University (MIT Campus), Chennai, India, 2011 - 2013

**EDUCATION**

Degree	Branch / Specialization	University	Class	Mode	Month&Year of Passing
Ph.D.,	Electronics and Communication	Karunya Institute of Technology & Sciences	-	Part Time	September 2018
M.E.,	Communication Systems	Anna University	Distinction	Full Time	May 2011
B.E.,	Electronics and Communication	Anna University	Distinction	Full Time	May 2009

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

Year	International Journal Publications	International Conference Publications	National Conference publications
2009 - 2021	37	24	7

**RESEARCH GUIDANCE**

Research guidance as supervisor	Completed	Ongoing
Doctor of Philosophy - PhD Thesis advising	-	4
Master of Engineering - Master's Thesis advising	3	1

**PROFESSIONAL MEMBERSHIPS**

1	IEEE Membership (Reference number: 92989181)
2	Engineering and Scientific Research Groups, France
3	International Society of Promising Computer Engineers (ISPCE)
4	Index Copernicus (IC) Scientists.
5	Scientific Engineering Research Corporation (SERC)
6	International Association of Engineers (IAENG) - No.: 144129
7	ORCID membership ID : 0000-0003-2080-0497
8	IDA Ed-Tech Community Membership No.: IDA18EDT-00354

**AWARDS/HONORS**

- Professional Awarded in Wells International Tourism, Cultural and Educational Foundation.
- Appreciation for Co-Convenor for MindKraft 2017 - a National Level techno-management fest, held at Karunya University during 23rd to 25th March 2017.
- Appreciation for actively involving and providing exemplary services to National Service Scheme functioning under Centre for Extension Activities in the capacity of "Programme Coordinator" during academic year 2016 - 17.