

FACULTY INFORMATION

PERSONAL INFORMATION	
Name	Prof. Raghu N
Designation	Assistant Professor
Official Email ID	n.raghu@jainuniversity.ac.in
Academic Experience	8.5 years
Industry Experience	1 year
Core Discipline	Electronics
Specialization	Digital Electronics and communication
Research Interest	RF Communication and Image Processing



PROFESSIONAL QUALIFICATION		
Qualification / Discipline (Start with UG degree)	Year of Passing	Institution
M.Tech. (Digital Electronics and Communication)	2011	Nitte Mahalinga Adyanthaya Memorial Institute of Technology
BE (Telecommunication Engineering)	2009	Coorg Institute of technology

MEMBERSHIP OF PROFESSIONAL BODIES		
Professional Society	From Year	Nature of Membership
International Association of Engineers (IAENG) – No. 127847	2013	Lifetime Membership
International Association of Computer Science and Information Technology (IACSIT) – No: 80346260	2013	Lifetime Membership
Institute for Engineering Research and Publication (IFERP) – No. PMIN75124368	2019	Professional Membership
Indian Academicians and Researchers Association – No. M / M – 975	2019	Lifetime Membership
The Optical Society of India – No. A – 122	2018	Professional Membership

SUMMARY OF RESEARCH PUBLICATIONS		
INTERNATIONAL JOURNALS		
Journal Name	Date, Volume & Issue No (From the Latest)	Paper Title
International Journal of Engineering & Technology (UAE)	Vol 7, Issue No. 2, 2018	Arrhythmia recognition and classification using kernel ICA and higher order spectra.
International Journal of Intelligent Engineering and Systems	Vol 11, Issue No.1, 2018	Arrhythmia detection based on hybrid features of T - Wave in electrocardiogram.
International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Vol 6, Issue 9, September 2017	Analysis and classification of electrocardiogram signal for accurate diagnosis – A review.
EC Microbiology Journal	Vol 9, Issue No. 1, 2017	A study and mapping of electromagnetic radiation levels from mobile towers in and around bangalore region.
IJARIE Journal	Vol 1, Issue 5, 2016	Effects of electromagnetic field on patients with implanted pacemakers.
IJARIE Journal	Vol 1, Issue 6, 2016	Tracking and analysis of three IRNSS satellites by using satellite tool kit.
International Journal of Operational Research	Vol 3, Issue 4, April 2016	Estimation and study of electromagnetic radiation levels from mobile towers.
The Journal of CPRI	Vol 11, Issue 3, September 2015	Measurement and study of radiation levels and its effects on living beings near electrical substations.
The Journal of CPRI	Vol 10, No. 3, 2014	Performance study of grid - connected wind and photovoltaic hybrid energy system under variation of generation.
International Journal of Electronics and Communication Engineering (IJECE)	Vol 2, Issue 2, 19 - 24, September 2013	Simulation of 13 panels phased array antennas by using STK tool.

INTERNATIONAL CONFERENCE PUBLICATIONS		
Conference Name & Organizer	State, City, Date	Paper title
Recent Trends in Electronics, Information & Communication Technology, Sri Venkateshwara College of Engineering	Bengaluru, Karnataka, May 2018	Automatic street light control by detecting vehicle movement.
Recent Trends in Electronics, Information & Communication Technology, Sri Venkateshwara College of Engineering	Bengaluru, Karnataka, May 2018	Tracking and analysis of IRNSS and GPS satellites by using satellite tool kit.
Recent Trends in Electronics, Information & Communication Technology, Sri Venkateshwara College of Engineering	Bengaluru, Karnataka, May 2018	Tracking and analysis of gagan and GPS satellites in flight indian region.
ASAR International Conference, Asian Society for Academic Research (ASAR)	Bengaluru, Karnataka, March 2018	Remedial steps for domestic water supply problem in and around bangalore using recycling and conservation.
IEEE International Conference on Smart Grids, Power and Advanced Control Engineering (ICSPACE), Global Academy of Technology	Bengaluru, Karnataka, August 2017	Survey of electromagnetic field near EHV lines and their health hazards.
International Conference on Signal, Image processing Communication and Automation (ICSIPCA), JSS Science and Technology	Bengaluru, Karnataka, July 2017.	Tracking and analysis of IRNSS satellites by using IRNSS receiver in satellite tool kit.

International Conference on Solid Waste Management, IISC	Bengaluru, Karnataka, November 2015	Innovative techniques for a farmer with small holding to become financially independent with diverse agriculture operations and use of biomass.
International Conference on Communication and Signal Processing, Adhiparasakthi Engineering College	Melmaruvathur, Tamilnadu, April 2016	Determination and preliminary analysis of position accuracy on IRNSS satellites.
International Conference on Communication and Signal Processing, Adhiparasakthi Engineering College	Melmaruvathur, Tamilnadu, April 2016	Tracking of IRNSS, GPS and hybrid satellites by using IRNSS receiver in STK simulation.
1 st International Conference on Computational Intelligence and Informatics, Jawaharlal Nehru Technological University	Hyderabad, May 2016	A study and mapping of radiation levels from mobile towers in and around bangalore.
1 st International Conference on Computational Intelligence and Informatics, Jawaharlal Nehru Technological University	Hyderabad, May 2017	A comparative study and performance analysis using IRNSS satellites.
International Conference on Electronics and Communication Systems (ICECS), Karpagam College of Engineering	Coimbatore,Tamil Nadu, February 2014	Tracking of satellites by using phased array antenna.
International Conference on Renewable Energy and Sustainable Development	Pune, India, January 2014	Sustainable energy development from thermal power plants.
International Conference on Emerging Trends in Engineering (ICETE), NMAMIT	Nitte, Karnataka, May 2011	Evaluation of potential interference in frequency band (1.544 - 1.545 GHz).

NATIONAL CONFERENCE PUBLICATIONS		
Conference Name & Organizer	State, City, Date	Paper title
National Conference on Waste to Energy, Carbon Capture and Storage (NCWECCS), NIT Rourkela	Rourkela, August 2017	Smart utilization of domestic supply of water with major recycling in and around bengaluru.
GNSS User Meet, ISRO	Bangalore, October 2015	A study on mapping of arkavathi reservoir using IRNSS receiver.
National Conference on VLSI Design and Information Technologies (NCVDIT), MET'S School of Engineering	Thrissur, Kerala, April, 2011	Noise survey on L - Band frequency.

SUMMARY OF CONFERENCES PARTICIPATED		
INTERNATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
International Conference on Emerging Trends in Engineering	NMAMIT, Nitte, Karnataka	2011
International Conference on Electronics and Communication Systems (ICECS)	Karpagam College of Engineering, Coimbatore,Tamil Nadu	2014
International Conference on Solid Waste Management	IISC, Bangalore	2015
1 st International Conference on Computational Intelligence and Informatics	JNTU, Hyderabad	2016
International Conference on Communication and Signal Processing	Adhiparasakthi engineering college, Melmaruvathur,Tamilnadu	2016
IEEE International Conference on Smart Grids, Power and Advanced Control Engineering (ICSPACE)	Global institute of technology, Bangalore	2017

NATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
Automation,Control and Communication - Jnana Chilume	Jain (Deemed-to-be University)	2019
Jnana Chilume	Jain (Deemed-to-be University)	2018
Jnana Chilume	Jain (Deemed-to-be University)	2017
National Conference on Waste to Energy, Carbon Capture and Storage	NIT, Rourkela	2017
GNSS User Meet	ISRO, Bangalore	2015
National Conference on VLSI Design and Information Technologies	Thrissur, Kerala	2011

AWARDS / HONORS / ACHIEVEMENTS		
Nature	Year	Awarding Institution
Participation Award - IRNSS Users Meet	2015	ISRO
Innovative Idea	2013	Jain (Deemed-to-be University)

BOOKS PUBLISHED / MONOGRAMS		
Name	Year	Description
Wind and Photovoltaic Hybrid Energy Systems	2018	book chapter in Clean Energy Technologies Published by ENV Books
Hazards from Extra High Voltage Lines	2019	Book chapter in Risk, Hazard and Disatser Mngement Published by ENV Books
Arrhythmia Detection Using Machine Learning Techniques	2019	Book Published by Lambert Publications
Arrhythmia Detection Based on Hybrid Features of T Wave in Electrocardiogram	2019	Book chapter in deep learning techniques and optimization strategies in Big Data Analytics, Published by IGI Global, USA

POSITIONS HELD IN THE PRESENT ORGANIZATION		
Designation	From - To	Institution / Organization
NSS Officer	2018 - Till Date	Jain (Deemed-to-be University), Faculty of Engineering and Technology

Assistant Professor	2011 - Till Date	Jain (Deemed-to-be University), Faculty of Engineering and Technology
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