


FACULTY INFORMATION		
PERSONAL INFORMATION		
Name	Dr. K Natarajan	
Designation	Professor & Functional Head- Avionics	
Official Email ID	k.natarajan@jainuniversity.ac.in	
Academic Experience	8 years	
Industry Experience	34 years	
Core Discipline	Electronics and Communication	
Specialization	Semiconductors	
Research Interest	Sensors, Wireless Technology, Avionics	
		

PROFESSIONAL QUALIFICATION		
Qualification / Discipline (Start with UG degree)	Year of Passing	Institution
Ph.D.	1988	IISC
M.Tech.	1978	IIT/Delhi
BE	1976	PSG Tech, Coimbatore

MEMBERSHIP OF PROFESSIONAL BODIES		
Professional Society	From Year	Nature of Membership
IMaps	2015	Lifetime Membership
IEEE	2013	SMIEEE
ISSS	2000	Lifetime Membership

SUMMARY OF RESEARCH PUBLICATIONS		
INTERNATIONAL JOURNALS		
Journal Name	Date, Volume & Issue No (From the Latest)	Paper Title
Journnal of Aerospace Information Systems, American Institute of Aeronautics and Astronautics (AIAA)	December 2019, Vol 17, pp 1 - 1, ISSN:2327 - 3097	Performance evaluation of wireless protocols for avionics wireless network.
Aircraft Engineering and Aerospace Technology, Emerald Publishing	January 2020, ISSN:1748 - 8842	Challenges in implementing a wireless avionics network.
Microsystem Technology Packaging , Springer - Verlag Berlin Heidelberg	January 2017	Design, fabrication, characterization of micromachined capacitive shunt switches with low actuation voltages and low temperature.
J Micro / Nanolithography, MEMS, and MOEMS , IEEE	2012	Low cost fabrication and testing of high isolation RF mems switches.
Microsystems Technologies	2017	Design, fabrication, characterization of micromachined capacitive shunt switches with low actuation voltages and low temperature packaging.

SUMMARY OF CONFERENCES PARTICIPATED		
INTERNATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
Smart Materilas, Structures and Systems	ISSS, Bangalore	2017
Smart Materilas, Structures and Systems	ISSS, Bangalore	2014
Smart Sensors and Systems	IEEE Sensor Council, MSRIT, Bangalore	2015

NATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
Advances in Nano Electronics and Material Science	PC Jabin Science College	2019

AWARDS / HONORS / ACHIEVEMENTS		
Nature	Year	Awarding Institution
ISSS President	2012	ISSS
IEEE Sensor Council Chair, Bangalore Section	2014	IEEE

PATENTS		
Name of the Patent	Year	Description
Large Area High Load Conductive Polymer Based Pressure Switch	2017	3949/CHE/2011

BOOKS PUBLISHED / MONOGRAMS		
Name	Year	Description
Commercialisation of Microsystems and NanoTechnology (One Chapter)	2014	Springer, ISSN:2195 - 9862
Micro and SmartDevices and Systems (One Chapter)	2004	Ajantha Publications

PAST POSITIONS HELD BEFORE PRESENT ASSIGNMENT		
Designation	From - To	Institution / Organization
Professor &HOD Dept of Tecommunication engineering	2013 - 2017	MSRIT
Professor	2012 - 2013	MSRIT
Additional General Manager	2006 - 2012	Bharat Electronics Ltd

POSITIONS HELD IN THE PRESENT ORGANIZATION		
Designation	From - To	Institution / Organization
Professor & Functional Head - Avionics	2017 - Till Date	Jain (Deemed-to-be University), Faculty of Engineering and Technology

RESEARCH GUIDANCE		
Total No. of Students Guided	Ph.D.	MTech
7	2	5

RESEARCH PROJECTS		
Name of the Project	Type of the Project (Sponsored / Consultancy / Government Funded)	Status of the Project (Ongoing / Completed)
IOT Test bed for Sensors and Hybird Power Generation	Government Funded	On Going