


**FACULTY INFORMATION**

**PERSONAL INFORMATION**

<b>Name</b>	Dr. Vasudha M P	
<b>Designation</b>	Assistant Professor	
<b>Official Email ID</b>	<a href="mailto:mp.vasudha@jainuniversity.ac.in">mp.vasudha@jainuniversity.ac.in</a>	
<b>Academic Experience</b>	5.6 years	
<b>Industry Experience</b>	0.5 years	
<b>Core Discipline</b>	Electronics and Communication Engineering	
<b>Specialization</b>	Signal Processing and VLSI	
<b>Research Interest</b>	Remote Sensing and Atmospheric Studies	

**PROFESSIONAL QUALIFICATION**

Qualification / Discipline (Start with UG degree)	Year of Passing	Institution
Ph.D.	2020	Jain (Deemed-to-be University)
M.Tech.	2013	Jain (Deemed-to-be University)
BE	2011	NIE Mysore, VTU

**MEMBERSHIP OF PROFESSIONAL BODIES**

Professional Society	From Year	Nature of Membership
IEEE	2019	Student Membership
Optical Society of India	2017	Member
International Association of Engineers	2016	Lifetime Membership

**SUMMARY OF RESEARCH PUBLICATIONS**

**INTERNATIONAL JOURNALS**

Journal Name	Date, Volume & Issue No (From the Latest)	Paper Title
Journal of Earth System Science	Vol 128, ISS:6, pp 91:1 - 15, 2019	Tropical cyclones over arabian sea and bay of bengal tracked by megha - tropiques saphir during 2011 - 2018
Current Science	Vol 116, No. 10, pp 1715 – 1720, 2019	Development of 90 GHZ microwave radiometer sensor in snow / ice studies over himalayas as input for disaster monitoring.
Journal of the Indian Society of Remote Sensing	Vol 47, ISS:1, pp 77 - 89, 2019	Microwave emissivity studies of land cover around kanakapura region using high spatial resolution saphir
International Journal of Earth Sciences and Engineering	Vol 11, No. 3, pp 227 - 232, 2018	Land surface emissivity estimation by using saphir on - board megha - tropiques.
Mausam Quarterly Journal of Meteorology, Hydrology and Geophysics	Vol 69, No. 2, pp 209 - 218, 2018	Monitoring of tropical cyclone formation, growth and dissipation by using saphir sensor.
International Journal of Applied Engineering Research	Vol 12, No. 22, pp 12821 - 12832, 2017	Observation of cyclone occurred in arabian sea and bay of bengal from saphir sensor data.
International Journal of Far East Journal of Electronics and Communications	Vol 17, Issue 2, pp 423 - 438, 2017	Tropical cyclone ashobaa tracking by using brightness temperature data of saphir sounder.
Journal of Gyroscope and Navigation	Vol 8, Issue 2, pp 136 - 149, 2017	Comparative evaluation of IRNSS performance with special reference to positional accuracy.
International Journal of Earth Sciences and Engineering	Vol 10, Issue 4, 2017	Data analysis for ionospheric divergence and glittering by using navic receiver.
Current Science	Vol 112, Issue 8, pp 1738 - 1742, 2017	Positioning and signal strength analysis of IRNSS and GPS receiver in plain and vegetation area.

**SUMMARY OF CONFERENCES PARTICIPATED**

**INTERNATIONAL CONFERENCES**

Name of the Conference	Organizer, Place	Year
Researchers on Micro and Smart Systems	IISc, Bangalore	2019
International Conference of the Arabian Journal of Geoscience	Tunisia, Dubai	2019
Observation of Tropical Cyclone Formation, Growth and Dissipation by Saphir Sensor	NARL, Andra Pradesh	2017
IEEE International Conference on Advance Communication, Control and Computing Technologies	SAEC, Tamilnadu	2016

**NATIONAL CONFERENCES**

Name of the Conference	Organizer, Place	Year
National Conference on Automation, Control and Communication	Jain (Deemed-to-be University)	2019

National Conference on Recent Trends in Electrical, Electronics, Computing and Information Technology	Jain (Deemed-to-be University)	2016
National Conference on Recent Trends in Electronics and Communication	The Oxford College of Engineering	2016

#### AWARDS / HONORS / ACHIEVEMENTS

Nature	Year	Awarding Institution
Young Achiever Award	2018	IEAE
Best Paper Presented - Rewarded \$500/-	2014	CANEUS International and IISc
First Rank with Gold Medal	2013	Jain (Deemed-to-be University)
All Round Outstanding Performance in Sports	2008	V T U

#### PATENTS

Name of the Patent	Year	Description
Mechanization Silver Halide Erector for Printed Circuit Board Film Printing Using Programmable Logic	2019	Filed
Automatic Product Identification for the Shopping Cart by Using Smart Wireless Technology	2019	Filed

#### PAST POSITIONS HELD BEFORE PRESENT ASSIGNMENT

Designation	From - To	Institution / Organization
Research Scholar	November 2014 - October 2017	Jain (Deemed-to-be University), Faculty of Engineering and Technology

#### POSITIONS HELD IN THE PRESENT ORGANIZATION

Designation	From - To	Institution / Organization
Assistant Professor	November 2017 - Till Date	Jain (Deemed-to-be University), Faculty of Engineering and Technology

#### RESEARCH PROJECTS

Name of the Project	Type of the Project (Sponsored / Consultancy / Government Funded)	Status of the Project (Ongoing / Completed)
Study and Correction of SAR Images for Ionosphere Effects at L & S Band Using IRNSS Ionosphere Data.	ISRO - SAC	Ongoing
Applications of NavIC Receiver in GNSS - R Reflectometry with Specific Reference to Ocean, Himalayan Ice / Snow and Land Surfaces.	ISRO - SAC	Ongoing
Evaluation of L - Band SAR Data for Soil Moisture Applications.	ISRO - SAC	Ongoing