


**FACULTY INFORMATION**

PERSONAL INFORMATION		
<b>Name</b>	Prof. Sunil M P	
<b>Designation</b>	Assistant Professor	
<b>Official Email ID</b>	<a href="mailto:mp.sunil@jainuniversity.ac.in">mp.sunil@jainuniversity.ac.in</a>	
<b>Academic Experience</b>	9 years	
<b>Industry Experience</b>	NIL	
<b>Core Discipline</b>	Electronics and Communication Engineering	
<b>Specialization</b>	Electronics Design and Technology	
<b>Research Interest</b>	Embedded System Design, IoT, Artificial Intelligence - Machine Learning and Deep Learning, Image Processing, Analog and Mixed Signal VLSI Design, VLSI Technologies, Microelectronics	

PROFESSIONAL QUALIFICATION		
Qualification / Discipline (Start with UG degree)	Year of Passing	Institution
Ph.D.	2020 Pursuing	Jain (Deemed-to-be University)
M.Tech.	2011	-
BE	2008	VVIET, Visvesvaraya Technological University, Belgaum

MEMBERSHIP OF PROFESSIONAL BODIES		
Professional Society	From Year	Nature of Membership
The International Association of Engineers	2018	Lifetime Membership

SUMMARY OF RESEARCH PUBLICATIONS		
INTERNATIONAL JOURNALS		
Journal Name	Date, Volume & Issue No (From the Latest)	Paper Title
International Journal of Recent Technology and Engineering (IJRTE)	Vol 8, Issue 2, July 2019	IoT based automated sericulture system.
International Journal of Recent Technology and Engineering (IJRTE)	Vol 8, Issue 2, July 2019	Density based automatic traffic junction synchronization.
International Journal for Research in Applied Science and Engineering Technology (IJRASET)	Vol 7, Issue 6, June 2019	Health monitoring system for ambulance.
International Journal of Research in Advent Technology	Vol 6, Issue No. 8, August 2018	Virtual telepresence and gesture controlled robot.
International Journal of Emerging Technologies and Innovative Research	Vol 5, Issue 8, August 2018	Design and implementation of 6 - bit low - power TIQ flash adc using fat - tree encoder.
International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol 6 Issue 6, June 2018	Design and implementation of smart vehicle theft detection using raspberry PI and IoT for real time applications.
International Education & Research Journal (IERJ)	Vol 4, Issue 6, June 2018	Face detection and recognition for automatic attendance system.
International Journal of Advance Research, Ideas and Innovations in Technology	Vol 4, Issue 3, June 2018	Simulation study of brent kung adder using cadence tool.
International Journal of Trend in Scientific Research and Development	Vol 2 , Issue 4 , June 2018	Med - care using IoT.
International Journal of Advance Research and Innovative Ideas in Education	Vol 1, Issue 5, 2016	Student database management and enquiry system using barcode scanner.
International Journal of Engineering Trends and Technology (IJETT)	Vol 13 (3), 107 - 110, July 2014	Comparative analysis of jpeg. 2000 image compression with other image compression standards using discrete wavelet transforms technique.
International Journal of Science and Research (IJSR)	Vol 3, Issue 7, July 2014	Performance analysis of jpeg. 2000 images in a compressed and encrypted domain using 3 different watermarking techniques.
International Journal of Science and Research (IJSR)	Vol 3, Issue 3, March 2014	Design and implementation of convolutional encoder and parallel processing viterbi decoder using verilog.
International Journal of Engineering Science and Innovative Technology (IJESIT)	Vol 2, Issue 6, November 2013	Design of an event based surveillance system using advanced technology.
International Journal of Advanced Research in Engineering & Technology (IJARET),	Vol 4, Issue 6, September - October 2013	FPGA based design & implementation of orthogonal frequency division multiplexing transceiver module using VHDL.
International Journal of Electronics and Communication Engineering & Technology (IJECET)	Vol 4, Issue 3, May - June 2013	Comparative analysis of multi stage cordic using micro - rotation technique.
International Journal of Emerging Technology and Advanced Engineering (IJETA)	Vol 3, Issue 8, August 2013	Minimization of floor planning area and wire length interconnection using particle swarm optimization.
International Journal of Electronics and Communication Engineering & Technology (IJECET)	Vol 4, Issue 4, July - August 2013	Ethernet based home appliances control.

International Organization of Scientific Research Journal of VLSI and Signal Processing (IOSRVJSP)	Vol 2, Issue 6, July - August 2013	Area - power efficient multi staged pipelined cordic using micro - rotation selection.
International Journal of Innovative Technology and Exploring Engineering (IJITEE).	Vol 3, Issue 3, August 2013	Smart biogas plant.

SUMMARY OF CONFERENCES PARTICIPATED		
INTERNATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
3 <sup>rd</sup> International Conference on Intelligent Computing and Communication (ICICC)	Dayananda Sagar University, School of Engineering, Bengaluru, India	2019
International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI)	Coimbatore, Tamil Nadu, India	2018
2 <sup>nd</sup> International Conference on Smart Computing & Informatics (SCI)	Prasad V Potluri Siddhartha Institute of Technology Vijayawada, Andhra Pradesh, India	2018
1 <sup>st</sup> International Conference on Computational Intelligence and Informatics	Jawaharlal Nehru Technological University, Hyderabad	2017
International Conference on Inventive Computing and Informatics (ICICI)	IEEE, Coimbatore, Tamil Nadu, India	23 <sup>rd</sup> - 24 <sup>th</sup> November 2017
2 <sup>nd</sup> International Conference on Telecommunication and Networks (TEL - NET)	IEEE, Noida, India	10 <sup>th</sup> - 11 <sup>th</sup> August 2017
2 <sup>nd</sup> International Conferences for Convergence of Technology (I2CT)	IEEE, Pune, India	8 <sup>th</sup> - 9 <sup>th</sup> April 2017
International Conference on Inventive Systems and Control (ICISC 2017)	IEEE, Coimbatore, Tamil Nadu, India	19 <sup>th</sup> - 20 <sup>th</sup> January 2017
International Conference on Inventive Computation Technologies (ICICT)	IEEE, Coimbatore, Tamil Nadu, India	26 <sup>th</sup> - 27 <sup>th</sup> August 2016
IEEE sponsored 3 <sup>rd</sup> International Conference on Innovations in information Embedded and Communication Systems (ICIECS)	IEEE, Coimbatore, Tamil Nadu, India	17 <sup>th</sup> - 18 <sup>th</sup> March 2016
3 <sup>rd</sup> International Conference on Advanced Computing and Communication Systems (ICACCS)	IEEE, Coimbatore, Tamil Nadu, India	22 <sup>nd</sup> - 23 <sup>rd</sup> January 2016
IEEE International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	IEEE, Kolkata, India	20 <sup>th</sup> - 22 <sup>nd</sup> November 2015
IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)	IEEE, Coimbatore, Tamil Nadu, India	5 <sup>th</sup> - 7 <sup>th</sup> March 2015

NATIONAL CONFERENCES		
Name of the Conference	Organizer, Place	Year
Jnana Chilume Automation, Control and Communication (NCACC)	Jain (Deemed-to-be University)	2019
National Conference on Recent Advances in Communication, Electronics an Electrical Engineering	Jain (Deemed-to-be University)	2017
Recent Trends in Electrical, Electronics, Computing and Information Technology	Jain (Deemed-to-be University)	2016
Embedded Systems and Signal Processing	Jain (Deemed-to-be University)	2014

AWARDS / HONORS / ACHIEVEMENTS		
Nature	Year	Awarding Institution
Best Paper Award	2019	Jnana Chilume Automation, Control and Communication (NCACC)
Outstanding Researcher in Robotics	2018	Rula Award
Best Paper Award	2016	3 <sup>rd</sup> IEEE International Conference on Advanced Computing and Communication Systems (ICACCS)

PATENTS		
Name of the Patent	Year	Description
An Improved System and Method for Monitoring Traffic Rule Violation	2018	Filed and Published

POSITIONS HELD IN THE PRESENT ORGANIZATION		
Designation	From - To	Institution / Organization
Assistant Professor-3	2020 - Till Date	Jain (Deemed-to-be University), Faculty of Engineering and Technology
Assistant Professor-2	2012 - 2019	Jain (Deemed-to-be University), Faculty of Engineering and Technology
Assistant Professor	2011	Jain (Deemed-to-be University), Faculty of Engineering and Technology

RESEARCH GUIDANCE		
Total No. of Students Guided	Ph.D.	M.Phil/M.Tech
5	NIL	5

RESEARCH PROJECTS		
Name of the Project	Type of the Project (Sponsored / Consultancy / Government Funded)	Status of the Project (Ongoing / Completed)

Automated Road Quality Analyzer using IoT and AI	Funded by Jain (Deemed-to-be University)	Ongoing
Two wheel Self Balancing Robot using IoT and AI	Funded by Jain (Deemed-to-be University)	Ongoing
Portable Bio Gas Plant	Government Funded - KSCST, IISc	Completed