

PERSONAL DETAILS AND AFFILIATION

Name SATHISHKUMAR.M

Designation Assistant Professor (Senior Grade)

Department Electronics and Communication Engineering

Date of joining the institution 13.05.2013

Date of Birth 14.05.1988

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**EDUCATIONAL QUALIFICATION**

Qualification	Institution Studied	University / Board	Year Of Passing
Ph.D.	-	Anna University	-
M.E.	National Engineering College, Kovilpatti	Anna University of Technology, Tirunelveli	2011
B.E. (ECE)	Hindustan College of Engineering, Chennai	Anna University, Chennai	2009
H.S.C.	C.M. Higher Secondary School, Tuticorin	State Board	2005
S.S.L.C	C.M. Higher Secondary School, Tuticorin	State Board	2003

EXPERIENCE

Name of the Institution / Organization	Position Held	From	To	Experience	
				Y	M
National Engineering College	Assistant Professor (Senior Grade)	06.04.2022	Till Date		2
National Engineering College	Assistant Professor	13.05.2013	05.04.2022	8	10
Nadar Saraswathi College of Engineering and Technology	Assistant Professor	20.06.2011	01.04.2013	1	10
Total Experience				10	10

LIST JOURNAL PUBLICATION

1	Sathishkumar, M., Samuel, T.S.A., Vimala, P. et al. <i>“Performance Analysis of HfO₂-SiO₂ Stacked Oxide Quadruple Gate Tunnel Field Effect Transistor for Improved ON Current”</i> Silicon (2021). https://doi.org/10.1007/s12633-021-01394-9
2	M. Sathishkumar, T.S. Arun Samuel, K. Ramkumar, I. Vivek Anand, S.B. Rahi, <i>“Performance evaluation of gate engineered InAs-Si heterojunction surrounding gate TFET”</i> Superlattices and Microstructures, Volume 162, 2022, https://doi.org/10.1016/j.spmi.2021.107099 .

LIST OF INTERNATIONAL / NATIONAL CONFERENCE PUBLICATIONS

1	M. Sathishkumar, T. S. Arun Samuel and P. Vimala, " <i>A Detailed Review on Heterojunction Tunnel Field Effect Transistors</i> ," 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE), 2020, pp. 1-5, doi: 10.1109/ic-ETITE47903.2020.197.
2	M.Sathishkumar, V.Vijayarangan, .P.Kavitha, " <i>Quantifying the capacity loss of MIMO OFDM Systems on Nakagami-m fading Channel</i> " National Conference on Microwave and Optical Communication, (NCMOC-2011)

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ORGANIZED

S.No.	Name of the Programme & Venue	Dates With Duration	No. Of Participants	Responsibility
1	Antenna Design using IE3D / ADS	22.09.2014	25	Coordinator
2	Faculty Development Training Programme	30.05.2016 to 06.06.2016	20	Co-Coordinator

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ATTENDED

S.no.	Name of the programme	Nature of the program	Conducted By	Dates
1.	Advanced Materials and Process for Next Generation Nano Electronic Devices: Challenges and Opportunities.	FDP	SRM Institute of Science and Technology	27.06.2022 to 04.07.2022
2.	Next-Generation Nanoelectronics Devices Trends (NGND): Materials to Applications	FDP	NIT, Patna	31.01.2022 to 04.02.2022
3.	Recent Advances and Challenges in Nanoelectronics Devices	ATAL – FDP	IIIT, Bhagalpur	13.12.2021 to 17.12.2021
4.	Nanodevices and Advanced Nanomaterials	ATAL – FDP	Sikkim Manipal Institute of Technology, Sikkim	06.12.2021 to 10.12.2021
5.	Future Perspective of Semiconductor Devices	ATAL – FDP	Kalasalangam Academy of Research and Education, Krishnankoil	21.06.2021 to 25.06.2021
6.	Modeling and Simulation of Nano-Transistors	Short Term Program	IIT Kanpur	17.02.2021 to 07.03.2021
7.	Emerging CMOS Technologies and Beyond: Trends and Challenges	FDP	Malaviya National Institute of Technology Jaipur	26.11.2020 to 30.11.2020
8.	Opportunities and Challenges in Next Generation Semiconductor Devices	FDP	Anil Neerukonda Institute of Technology and Sciences, Visakapatnam	16.06.2020 to 20.06.2020
9.	Entrepreneurship	FDP	National Engineering College, Kovilpatti	02.12.2019 to 14.12.2019
10.	Power Semiconductor Device modeling and TCAD Simulation	Workshop	Vellore Institute of Technology, Vellore	29.11.2019 to 01.12.2019
11.	Training program on "Technology enabled teaching learning process"	FDP	National Engineering College, Kovilpatti	28.05.2017 & 29.05.2017
12.	Training program on "Instructional design and delivery systems" by NITTTR	FDP	National Engineering College, Kovilpatti	22.05.2017 to 27.05.2017

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ATTENDED

S.no.	Name of the programme	Nature of the program	Conducted By	Dates
13.	Network Simulator (NS-2)	Workshop	National Engineering College, Kovilpatti	19.08.2014 20.08.2014
14.	Soft skills in English for Technocrats,	FDP	Anna University of Technology, Madurai	15.03.2012

NPTEL Courses

S.NO.	Title of the Course	Conducted by	Duration	Marks	Performance
1.	Fundamentals of electronic device fabrication	IIT Madras	Jul-Aug 2022	75%	Elite+Silver
2.	Microelectronics: Devices To Circuits	IIT Roorkee	Jul – Oct 2021	60%	Elite
3.	Fundamentals of electronic materials and devices	IIT Madras	Jan – Mar 2021	68%	Elite
4.	Semiconductor Devices and Circuits	IISc Bangalore	Sep – Dec 2020	55%	-
5.	Evolution of Air Interface towards 5G	IIT Kharagpur	Feb – Apr 2020	84%	Elite + Silver
6.	Principles of Communication Systems – Part II	IIT Kanpur	Aug – Sep 2019	79%	Elite + Silver
7.	An Introduction to information theory	IIT Kanpur	Aug – Sep 2018	71%	Elite + Silver Topper
8.	Introduction to Wireless and Cellular Communication	IIT Madras	Jul – Oct 2017	77%	Elite + Silver
9.	Probability and Random Variables / Processes for Wireless Communication	IIT Kanpur	Jan - Feb 2017	62%	Elite
10.	Fundamentals of MIMO Wireless Communication	IIT Kharagpur	Jul - Sep 2016	93%	Elite with Gold & Topper
11.	Introduction to research	IIT Madras	Jan - Feb 2016	72%	Elite + Silver