

PERSONAL DETAILS AND AFFILIATION

Name of the Faculty Member	JEYANTHI J.E.	
Designation	ASSISTANT PROFESSOR	
Department	ELECTRONICS AND COMMUNICATION ENGINEERING	
Date of joining the institution	07.05.2018	
Address for Communication	Department of ECE, National Engineering College, K.R.Nagar, Kovilpatti-628503	
Email ID/webpage ID	jeyanthi_ece@nec.edu.in	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH	UNIVERSITY	YEAR
X	Matric Board	SHNV Boys Matric.Hr.Sec.School, Sivakasi	March 2009 (86.00%)
XII	State Board	SRV Girls Hr.Sec.School, Rasipuram	March 2011 (86.91%)
B.E.	Electronics and Communication Engineering	Anna University, Chennai	April 2015 (78.00%)
M.E.	Embedded System Technologies	Anna University, Chennai	April 2018 (91.02%)
Ph.D.	Semiconductor Device Modeling	Anna University, Chennai	Jan 2020 to till date

EXPERIENCE

S.NO.	NAME OF THE INSTITUTION /ORGANIZATION	POSITION HELD	FROM	TO	EXPERIENCE	
					Y	M
1	National Engineering College	ASSISTANT PROFESSOR	07.05.2018	Till date	4	8
Total Experience					-	56

FUNDED PROJECTS (If any)

S.NO.	TITLE OF THE PROJECT & ROLE	AGENCY	DURATION
1	Third Eye for Visually Impaired people	NewGen IEDC	2021-2022

PUBLICATIONS

JOURNALS

1.	Ms.J.E.Jeyanthi , Dr.A.Shenbagavalli, "Radar Waveform Generation Using Pulse Compression Techniques", IJTET, Volume26, Issue1-August 2017.
2.	Ms.J.E.Jeyanthi , Dr.A.Shenbagavalli, "Study of Different Radar Waveform Generation Techniques for Automatic Air Target Recognition", IJETSR, Volume4, Issue 8-August 2017.
3.	Ms.T.Umarani, Ms.I.Preethy, Ms.N.M.Thennarasi, Ms.J.E.Jeyanthi , "Gesture Controlled Bed Movement", IRJET, Volume6, Issue 12-December 2019.
4.	Ms.J.E.Jeyanthi , Dr.T.S.Arun Samuel, " Heterojunction Tunnel Field Effect Transistors – Detailed Review", IEEE Transactions, 10.1109/ICDCS48716.2020.243609, 2020.
5.	Ms.L. Renuka Devi, Dr.N. Arumugam, Ms.J.E. Jeyanthi , Dr.T.S. Arun Samuel, Mr.T. Ananth Kumar, "Investigation of High-K Gate Dielectrics and Chirality on the Performance of Nanoscale CNTFET", <i>Journal Of Nano- And Electronic Physics</i> , Vol. 13 No 2, 02026(8pp), 2021.
6.	Ms.M.Lohitha, Ms.E.J.Priyadharsini, Ms.K.Sangeetha, Ms.J.E.Jeyanthi , and Mr.T.Ananth Kumar, "Automation in vertical gardening using LABVIEW", AIP Conf. Proc. 2378, 020001-1–020001-5; https://doi.org/10.1063/5.0058360 , 2021.
7.	Ms.J.E.Jeyanthi , Dr.T.S.Arun Samuel, Ms.A.SharonGeege, Dr.P.Vimala, "A Detailed Roadmap from Single Gate to Heterojunction TFET for Next Generation Devices", Silicon, https://doi.org/10.1007/s12633-021-01148-7 , 2021.
8.	Ms.J.E.Jeyanthi , Dr.T.S.Arun Samuel, Dr.L.Arivazhagan, "Optimization of Design Space Parameters in Tunnel FET for Analog / Mixed Signal Applications", Silicon, https://doi.org/10.1007/s12633-021-01591-6 , 2022.

CONFERENCES

1.	Ms.J.E.Jeyanthi , Dr.A.Shenbagavalli, "Radar Waveform Generation Using Pulse Compression Techniques", "International Conference on Trends in Technology and Engineering"(ICTTE 2017),Arjun College of Technology, Coimbatore, TamilNadu.
2.	Ms.J.E.Jeyanthi ,Dr.A.Shenbagavalli, " Study of Different Radar Waveform Generation Techniques for Automatic Air Target Recognition" , "International Conference on Advancement in Engineering, Applied Science and Management"(ICAEASM-2017), Centre for Development of Advanced Computing, Juhu, Mumbai, Maharashtra.
3.	Ms.J.E.Jeyanthi , Dr.S.TamilSelvi, "Automated Irrigation System Using IoT", "International Conference on Applied Soft Computing Techniques" (ICASCT-2018), Kalasalingam University, Srivilliputtur, Tamil Nadu.
4.	Ms.J.E.Jeyanthi , Dr.T.S.Arun Samuel, " Heterojunction Tunnel Field Effect Transistors – A Detailed Review", 2020 5th International Conference on Devices, Circuits and Systems (ICDCS),2020.
5.	Ms.Renuga Devi, Dr.N.Arumugam, Ms.J.E.Jeyanthi , "Characteristics Of High K-Gate Dielectric Nanoscale CNTFET", International E-Conference on Recent Advances in Computation, Communication, Internet Of Things and Artificial Intelligence, 2021,M.Kumarasamy College of Engineering, Karur, India.
6.	Mr.Surya Ganesh, Dr.T.S.Arun Samuel, Ms.J.E.Jeyanthi , "Performance Analysis Of Mems Actuators With Different Dielectrics", International E-Conference on Recent Advances in Computation, Communication, Internet Of Things and Artificial Intelligence, 2021, M.Kumarasamy College of Engineering, Karur, India.

INDUSTRY TRAINING PROGRAMMES ATTENDED (If any)

S.NO.	NAME OF THE PROGRAMME	NAME OF THE INDUSTRY	DATES WITH DURATION
1	Industry Know How	Core EI Technologies	26th May to 22nd Jun 2020