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Dr. S. NAGARAJAN obtained his Bachelor of Engineering (B.E.) from Arunai Engineering College, Tiruvannamalai and Master of Engineering (M.E) from College of Engineering Guindy Anna University, Chennai in the year 2001 and 2004 respectively. He obtained his Doctor of Philosophy (Ph. D) from Anna University, Chennai in the year of 2019. He has 18 years of teaching experience and currently working as an Assistant Professor in the Department of ECE, Faculty of Engineering & Technology, SRM Institute of Science & Technology, Chennai, India.

AREAS OF RESEARCH:

VLSI, Nano Devices, Image Processing

JOURNAL PUBLICATIONS:

1. Poonguzhali Ilango, Anitha Ravichandran, **Nagarajan Sivarajan,** Asha Aiyappan(2024). Hierarchical Taylor quantized kernel least mean square filter for data aggregation in wireless sensor network, International Journal of Communication Systems (Wiley)**(SCI)**

2. Poonguzhali Ilango, **Nagarajan Sivarajan,** Anitha RaviChandran, Rajesh Arunachalam (2024). PCSSHO: An implementation of Percentage of Circle Search and Spotted Hyena Optimizer for multi-constraint load balancing and routing framework in FANET, International Journal of Communication Systems (Wiley), Vol. 37, Issue 9, pp 1 – 25. **(SCI)**

3. **Nagarajan, S**., Rani, P. S., Vinmathi, M. S., Subba Reddy, V., Saleth, A. L. M., & Abdus Subhahan, D. (2023). Multi agent deep reinforcement learning for resource allocation in container-based clouds environments. *Expert systems(Wiley)*, 1– 22. **(SCI)**

4. **S. Nagarajan,** V. Nivaskumar, M. Vanitha Lakshmi, C. Senthilkumar, S. Sathish Kumar, M. Moorthi (2023). A cloud based architecture for hosting ECG arrhythmia data classification service, AIP conference proceedings, 2764, 060012 .

5. N. Agarwal, M. Gokilavani, **S. Nagarajan**, S. Saranya, H. Alsolai *et al*. (2023), Intelligent aquila optimization algorithm-based node localization scheme for wireless sensor networks, *Computers, Materials & Continua*, vol. 74, no.1, pp. 141–152. **(SCI)**

6. R. Gandhi, **S. Nagarajan**, J. Chandra Mohan *et al*. (2021), IoT based Automatic Smart Parking System with EV- Charging Point in Crowd Sensing Area, *Journal of Annals of the Romanian Society for Cell Biology*, Vol. 25, Issue 6, pp 6398 – 6409.

7. R. Nanmaran, **S. Nagarajan**, R. Sindhuja (2020), Wavelet Transform based Multiple Image Watermarking Technique, Materials *science and Engineering*, pp 1-13. **(SCOPUS)**

8. **Nagarajan Sivarajan**, Reeba KORAH, Maria Kalavathy GNANAMANI (2017), Relaxation rate and polarization charge density model for InAlN and AlN/$Al_xGa_{1-x}N$/AlN Hetrostructures, *Turkish Journal of Electrical Engineering and Computer Sciences*, Vol.25, pp. 3468-3474 **(SCI)**

9. **S. Nagarajan,** Reeba KORAH, Maria Kalavathy (2017), Impact of Gate length on the performance of InGaAs/InAs/InGaAs Composite Channel DMDG-HEMT Devices for High-Frequency Applications, *Journal of Nano electronics and Optoelectronics*, Vol.7, pp. 1314-1320 **(SCI)**

10. **S. Nagarajan,** Reeba KORAH, N.Mohankumar and C.K.Sarkar (2015), Analytical Model of Symmetric Halo Doped DG-Tunnel FET, *Journal of Engineering Science and Technology Review*, Vol.4, Issue 8, pp. 125-130 **(SCOPUS)**

11. **S. Nagarajan,** Reeba KORAH (2014), Tunnel Field Effect Transistors for Ultra Low Power Applications, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 3, Issue 11.

Patents:

S.No	Patent Title	Ref No	Status
1	4G and 5G Technology based several antennas for smart phone App using Multimode-29.07.2022	202241042837	Published
2	IoT based smart Farming Surveillance System using Thing speak. – 21.10.2022	202241057706	Published
3	Reviving history: augmented reality transforming tourist experiences through immersive digital overlays-08.09.2023	. 202341056490	Published
4	Device to detect happiness of a Teacher-07.03.23	381041-001	Granted

Additional Information:

• Received Anna University PhD Research Supervisorship (reference id: 3740002)
• SRM Research Supervisorship (reference id: No. SRMIST/R/tap. 3497 - Estt./2023 – 1021).

Books Published:

Electronics circuits -II, Alpha International Publication (2023), ISBN:978-93-5762-043-7.

Google Scholar:

https://scholar.google.com/citations?user=GKYlhZ0AAAAJ&hl=en

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