TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi I Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS

Name & Qualification	P. Sakthi Shunmuga Sundaram., M.E.,
Designation	Assistant Professor
Department	Electronics and Communication Engineering
Total Teaching Experience	9 years
Total Research Experience	3 years
Total Industry Experience	0 years
Area of Specialization	Applied Electronics
AICTE Faculty ID	
Email ID	Sakthipaulraj2@gmail.com

EDUCATIONAL DETAILS

Degree	Branch/ Specialization	University	Year
M.E	ECE/Applied Electronics	Anna University	2011
B. E	ECE	Anna University	2007
Diploma	DEEE	DOTE	2002

RESEARCH / PUBLICATION DETAILS

Publications in Journal

1) P. Sakthi Shunmuga Sundaram and K. Vijayan," Optimizing energy efficiency and enhancing localization accuracy in wireless sensor networks through genetic algorithms", International Journal of Advanced Technology and Engineering Exploration, Vol 11(110), ISSN (Print): 2394-5443 ISSN (Online): 2394-7454 http://dx.doi.org/10.19101/IJATEE.2022.10100461.

2) P. Sakthi Shunmuga Sundaram and Vijayan, K., 2023. Prediction Model to Analyze Source Node Localization Using Machine Learning and Fault-Tolerance in Wireless Sensor Networks. International Journal of Computer Networks and Applications, pp. 527–542. DOI: 10.22247/ijcna/2023/223312.

3) P. Sakthi Shunmuga Sundaram, Basker, N.H. and Natrayan, L., 2019. Smart clothes with bio-sensors for ECG monitoring. International Journal of Innovative Technology and Exploring Engineering, 8(4), pp.298-301. https://www.ijitee.org/portfolio-item/D2756028419/.

4) Natrayan, L., P. Sakthi Shunmuga Sundaram and Elumalai, J., 2019. Analyzing the uterine physiological With MMG Signals using SVM. International Journal of Pharmaceutical Research (09752366), 11(2).DOI:10.31838/ijpr/2019.11.02.009.

Conference Proceedings

1) P. Sakthi Shunmuga Sundaram and K. Vijayan, "Neuro-Fuzzy Clustering and Genetic Optimization Algorithm to Enhance the Quality of Services in IoT-enabled Wireless Sensor Networks," *2024 2nd International Conference on Networking and Communications (ICNWC)*, Chennai, India, 2024, pp. 1-7, doi: 10.1109/ICNWC60771.2024.10537293.

2) P. Sakthi Shunmuga Sundaram and Vijayan, K., 2022, February. Sleeping Node Scheduling Method Based Redundant Node Energy Reduction in Wireless Sensor Networks. In International Conference on Computing in Engineering & Technology (pp. 602–59). Singapore: Springer Nature Singapore. DOI: 10.1007/978-981-19-2719-5_57.

3) Sundaram, P.S.S., Vijayan, K. (2022). Comparison of the Routing Algorithms Based on Average Location Error and Accuracy in WSN. In: Suryadevara, N.K., George, B., Jayasundera, K.P., Roy, J.K., Mukhopadhyay, S.C. (eds) Sensing Technology. Lecture Notes in Electrical Engineering, vol 886. Springer, Cham. https://doi.org/10.1007/978-3-030-98886-9_32.

Books / Chapters Published

-Nil-

Fund Received

-Nil-

Patent Applied / Published/Granted

-Nil-

CITATIONS	122 **6**
H-INDEX	02
i10 index	02

RESEARCH GUIDANCE DETAILS

Sl.No	University	Supervisor ID / Reference
-	Anna University, Chennai	-
-	Number of UG Scholars Guided	-
-	Number of PG Scholars Guided	-
-	Number of Ph.D. Scholars Guided	-
-	Number of Ph.D. Scholars Pursuing	-

PROFESSIONAL SOCIETY MEMBERSHIP

Sl.No	Professional Society Name	Member ID
-	-	-