

# 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	T. SURESH & Ph.D.
Designation	Associate Professor
Department	ECE
Total Teaching Experience	15 years 8 months
Total Research Experience	Nil
Total Industry Experience	Nil
Area of Specialization	VLSI, Antenna, Microcontroller
AICTE Faculty ID	1-492864309
Email ID	tsureshece@gmail.com



EDUCATIONAL DETAILS				
Degree	Branch/ Specialization	University	Year	
UG	B.E – E.C.E	Anna University	2006	
PG	Applied Electronics	Anna University	2011	
Ph.D	Low Power VLSI	Anna University	2021	

#### RESEARCH / PUBLICATION DETAILS

#### **Publications in Journal**

- 1. Suresh.T, SumanthRatnaKandavalli, Rajendran.T, Chanthirasekaran.K 'synthesis of flexible magnetoelectric poly vinyl alcohol composites using hybrid filler particles of carbon quantum dots and cobalt nano for electromagnetic interference shielding application, journal of vinyl & additive technology, June 2024.
- 2. B. Ramesh, K. Manikannan, Suresh T, and D. Karunkuzhali 'Integrating MIMO and IOT for Advanced Community Health Solutions and Sustainable Urban Planning' Community Practitioner, June 2024, Vol 21, Issue 06. DOI: 10.5281/zenodo.11613900.
- 3. T. Prakash, V. P. Pradeep, T. Suresh and S. Raja 'Electric Discharge Machining of Titanium Alloy under Cu Mixed Dielectric Medium' Current Materials Science, October 2023, vol.16, DOI: 10.2174/2666145417666230816091446, ISSN.2666-1462.

- 4. Suresh. T & Ramakrishnan, M 'Design of low power NFSR for RFID system with irregular clock pulse', Microprocessors and Microsystems, december 2019, vol. 73, March 2020, 102983, DOI: 101016/j.micpro. 2019.102983, ISSN.0141-9331.
- 5. Saravanan. T & Suresh.T 'Architecture of Optimized Multiplier Based on Shift-And-Add Operation'International Journal of Applied Engineering Research November 2014, vol.9, ISSN.
- 6. Suresh. T, RajiPandurangan 'Mutual Authentication Protocol for RFID Security and Anti-Counterfeiting' International Journal of Applied Engineering Research November 2014, vol.9, ISSN.
- 7. Dr.T.Suresh, Design of low power NFSR for RFID system with irregular clock pulse', Microprocessors and Microsystems, , Science Direct, vol. 73, March 2020 , DOI: https://doi.org/10.1016/j.micpro.2019.102983,3.503,73.

### **Conference Proceedings**

- 1. **Suresh, T** "MUTUAL AUTHENTICATION PROTOCOL FOR RFID SECURITY USING NFSR" in International Conference on Control, Automation and Robotics (ICCAR 2015) held on 21st May 2015 at Nayang University, Singapore.
- 2. **Suresh**, T&Ramakrishnan,M 2017, 'Low Power D-flip flop using sub threshold region for NFSR', International Conference on Electrical, Communication and Computing on march 7, 2017 at Tagore Engineering College, Chennai.
- 3. **Suresh, T**&Ramakrishnan,M 2016, 'Low Power NFSR with irregular clocking for secured RFID system', National Conference on Information, networking and Communication technologies on April 23, 2016 at Dr.Mahalingam College of Engineering and Technology, Pollachi.
- 4. **Suresh, T** &Ramakrishnan,M 2015,'Mutual Authentication Protocol for RFID security using NFSR', International Conference on Control, Automation and Robotics, 2015 IEEE, date of conference: 6-7 June 2015, Print isbn-978-1-4799-1983-3 at Chengdu, China.
- 5. Suresh, T&Ramakrishnan,M 2014, 'Low weight mutual authentication protocol for RFID security', International Conference on 'Advanced Computing, Control Systems, Machines and Embedded technology on march 7, 2014 at K.K Nattraja College of Engineering and Technology, Namakkal.
- 6. **Suresh, T**&Ramakrishnan,M 2014, 'Low Power NFSR for secured RFID system', International Conference on Electrical, Communication and Computing on March 13, 2014 at Tagore Engineering College, Chennai.
- 7. T.Suresh, M.Ramakrishnan" Low cost RFID security and Anti Counterfeiting" International Conference, Computing Computation and Control on March 2013 at Christian College of

- Engineering and Technology, Dindigal.
- 8. T.Suresh, M.Ramakrishnan" RFID Implementation with secure Mutual Authentication Protocol" International Conference on Advanced Electronics Communication on March 2012 at Noorul islam university, Kanniyakumari.
- 9. T.Suresh "Manipulation of Material using Glove Controlled Robotic Hand" National Conference on March 2014 at Shree Mothilal Kanhaiyalal Fomra Institute of Technology, Chennai.
- T.Suresh" Efficient Architecture of DCT with Distributed Arithmetic" National Conference, Computing Computation and Control on March 2012 at Karpaga Vinayaga College of Engineering and Technology, Kanchipuram.
- 11. T.Suresh "Low Power RFID Implementation with Secure Mutual Authentication Protocol" National Conference on March 2011 at Dhanalakshmi Srinivasan College ofEngineering and Technology, Chennai.
- 12. T.Suresh "RFID Implementation with Mutual Authentication Protocol" National Conference on March 2011 at Bannari Amman Institute of Technology, Sathiyamangalam.
- 13. T.Suresh "Performance Analysis of Video Denoising using Dual Tree Wavelet Transform" National Conference on April 2011 at Tagore Engineering College, Chennai.
- 14. T.Suresh& Rakhi dutta" OZONE FOOD ARMOR" National Conference on March 2010 atHindusthan College of Engineering and Technology, Coimbatore.
- 15. T.Suresh& Jithetiran" Efficient Solar Power tracking Systems" National Conference on March 2010 at Hindusthan College of Engineering and Technology, Coimbatore.

2010 at Timedistrian Conege of Engineering and Teenhology, Confidatore.				
Books / Chapters Published				
Nil				
Fund Received				
Nil				
Patent Applied / Published/Granted				
Dr. T. Suresh has filed a Patent Title on "Monitoring of Body Temperature with alert through IoT				
without contact to the human body during Covid situation" and published on 25.02.2022.				
CITATIONS				
H-INDEX				
RESEARCH GUIDANCE DETAILS				

Sl.No	University	Supervisor ID / Reference		
1	Anna University, Chennai	-		
2	Number of UG Scholars Guided	30		
3	Number of PG Scholars Guided	4		
4	Number of Ph.D. Scholars Guided	-		
5	Number of Ph.D. Scholars Pursuing	-		
PROFESSIONAL SOCIETY MEMBERSHIP DETAILS				
Sl.No	Professional Society Name			
1	ISTE			
2	IAENG			
3	ISRD			
4	IETE			