

FACULTY PROFILE

A.SARAVANASELVAN

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Assistant Professor (Senior Grade)

ECE Department

K.R.Nagar Post

Kovilpatti – 628503

Tuticorin District, Tamilnadu, India.



Academic profile

Degree	Programme and Specialization	Class	Month&Year of passing	Institute / University
B.E.	Electronics & Communication Engineering	First class	May 2003	PGP College of Engg&Tech, Periyar University, Salem.
M.E.	Applied Electronics	First class	June 2011	Anna University of Technology, Tirunelveli.
Ph.D	Sensor Networks	Status: Thesis submitted		Anna University, Chennai.

Professional Exerience

Organization	Period		Designation
	From	To	
National Engineering College, Kovilpatti, Tamilnadu	July 2013	Till date	Assistant Professor (Senior Grade)
	July 2011	June 2013	Assistant Professor
	July 2004	July 2008	Lecturer
PSY Engineering College, Sivagangai	June 2003	June 2004	Lecturer
Academic Experience = 14 Years			

Funded Project

- Funded Project entitled “A New Framework for Water Resource Using IoT Technology”, Institution of Engineers (India), Kolkata, 2019 – 2020.

International Journal Publications

1. Saravanaselvan A and Paramasivan B, “Design and Implementation of an efficient attack resilient computation algorithm in WSN nodes”, Cluster computing – The Journal of Networks, Software Tools and Applications, Cluster computing – The Journal of Networks, Software Tools and Applications, **Springer Publication**, Volume 22, March 2019, PP. 3301 – 3311, **Impact Factor – 2.01**.
2. Saravanaselvan A and Paramasivan B, “Implementation of an efficient light weight security algorithm for energy-constrained wireless sensor nodes”, Circuits and Systems, 7, 2016, pp. 2234-2241, <http://dx.doi.org/10.4236/cs.2016.79194>.
3. Saravanaselvan A and Paramasivan B (2016), ‘An enhanced approach of message digest scheme for FPGA-based sensor node’, Asian Journal of Information Technology, 15(22), pp. 4571-4577. [https:// 10.3923/ajit.2016.4571.4577](https://10.3923/ajit.2016.4571.4577).
4. Saravanaselvan A (2013), ‘Performance Analysis of NNs For GPS / INS Integration’, Applied Artificial Intelligence – An International Journal, **Taylor and Francis**, volume 27, Issue 5, May 2013, pp.367-407. **Impact factor: 0.5**
5. Saravanaselvan A (2011), ‘Performance Analysis of various Artificial Intelligence Neural Networks for GPS/INS Integration’, International Journal of **Soft Computing**, volume 6 Issue 5, No.6, pp. 190 – 209, 2011. **Impact factor: 0.4**
6. Saravanaselvan A (2019), ‘Utility Meter for Measuring Power Consumption of Household Appliances’, A Journal of Composition theory, Vol.12, Issue 9, September 2019, pp. 1659-1663. ISSN: 0731-6755.
7. Saravanaselvan A (2019), ‘A New Technique to Efficient Water Consumption System using ARM7’, International Journal of Research in Electronics, Volume 2, Issue 2, PP. 16-19, 2015.
8. Saravanaselvan A (2014), ‘SAR protocol based secure data aggregation’, International

Journal of Innovative Research in Electronics and Communications, 1(9), 2014.

9. Saravanaselvan A (2016), 'A primitive polynomial approach for providing message integrity In FPGA based wireless sensor nodes', International Journal of Printing, Packaging and allied Sciences, volume 4, no 3, pp. 1576-1582, December 2016.
10. Saravanaselvan A (2017), 'Data acquisition system for real time monitoring in windmill', International Journal of Innovations & Advancement in computer science, Volume 6, Issue 8, August 2017, pp. 223-226, ISSN 2347 – 8616.

International Conference Publications

1. Saravanaselvan A (2011), 'Improved IDNN for GPS/INS Integration', CCSEIT 2011, Springer LNCS – CCIS Series, pp. 654-672, 23-25 September 2011.
2. Saravanaselvan A (2012), 'Comparison of Static and Dynamic Neural Networks of GPS/INS Integration for Aircraft Navigation', International conference proceedings, ICON3C, GCE, Tirunelveli.
3. Saravanaselvan A (2014), 'Design and Implementation of Energy Aware Sensor Node with its Wireless applications', International conference on Research vogues in Information and communication Technologies, ICRVICT 2014, DMI Engineering College, 2014.
4. Saravanaselvan A (2014), 'Implementation of LEACH Protocol on Low Power Microcontroller', International conference on Innovations in Information Embedded and Communication systems, ICRVICT 2014, DMI Engineering College, pp.176-182, 2014.
5. Saravanaselvan A (2015), 'SAR Protocol based secure data aggregation in wireless sensor Networks', IEEE Sponsored International conference on Intelligent systems and control, Karpagam college of engineering, 9-10 Jan 2015.
6. Saravanaselvan A (2016), 'Implementation of steganography technique for sensor nodes in mission critical applications', IEEE sponsored Int.conf on ICIECS'16, Karpagam, College of Engineering, coimbatore.

National Conference Publications

1. Saravanaselvan A (2005), 'A Noblest act on Medicinal Plant – A Nanotech Approach', Proceedings of National conference on Recent trends in science and technology, RTST 2005, Dr.M.G.R Educational and Research Institute, Chennai, 2005.
2. Saravanaselvan A (2007), 'Challenges in Indian Technical Institution in the Context of Globalization', Tenth ISTE Annual Convention, IE(I) Student,s Chapter, Tuticorin.

3. Saravanaselvan A (2011), 'High performance GPS/INS Integration using MIDDNN for Aircraft Navigation', ECOM 11, Mohamed Sathak Engg.College, Kelakarai.
4. Saravanaselvan A (2012), 'GPS/INS Integration for Aircraft Navigation using NNs', Proceedings of sixth National conference on Recent trends in Information technology, NCRTIT 2012, volume 6, 22 Feb 2012, KCET, Virudhunagar.
5. Saravanaselvan A (2019), 'Smart Water Management System for Apartments', All India Seminar The Institution of Engineers, India – IE(I), Madurai Local Centre, 1-2 August 2019.
6. Saravanaselvan A (2015), 'A new approach for water consumption system and its implementation using embedded technique', Proceedings of 3rd National Conference on Information and communication technology, 2015.

Reviewer

Currently listed as a reviewer for the 'International Journal for Computation and Mathematics in Electrical and Electronic Engineering'.

Area of Specialization

VLSI and Embedded Technology, Sensor Networks

Membership

Member - Institution of Engineers (India)

Other Grants Executed

S. No	Name of the Grant	Sponsored Agency	Amount in Lakhs	Duration
1.	Faculty Development Programme on "VLSI Design"	Anna University Chennai	0.5 Lakh	2016-2017
2.	Faculty Development Programme on "VLSI Technology"	Vi Microsystems, Chennai	0.3 Lakh	2014-2015
3.	Faculty Development Programme on "Advanced VLSI Design"	AICTE, New Delhi	1 Lakh	2013-2014