Valliammai Engineering College

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Department of CSE

Personal Details

Name :	Dr. A. SAMYDURAI
Designation :	ASSOCIATE PROFESSOR
Educational Qualification :	B.E , M.E , Ph.D.,
Experience:	22
Area of Specialization :	Distributed System , Middleware, P2P System and Fault Tolerance
Date of Joining :	31/12/2014
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Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.,	Computer Science and Engineering	Madras University	1995
2	M.E.,	Computer Science and Engineering	Anna University	2005
3	Ph.D.,	Information and Communication Engineering	Anna University	2014

Professional Society Memberships

1. Institute of Research Engineers and Doctors (iRED): Member
2. Society of Digital Information and Wireless Communications (SDIWC):Member
3. International Association of Engineers (IAENG) : Member
4. The Indian Society for Technical Education (ISTE): Life Member ISTE
5. Computer Society of India: Life Member CSI : Life Member CSI
6. Indian Science Congress: Member

Publication Details

Journals:

1. **A.Samydurai**, Abel Rathan Jacob, Balaji.S and BalaMurugan.V, "Automated Alert Response And Monitoring System Using Smart City Principles", Journal of Computational and Theoretical Nanoscience, 2019(Accepted)
2. V.Vijaypriya, **A.Samydurai**, Chenthamarai Selvam, Hijo Joy, "Windows Application Development Using PC for Multiple Modbus Slave Devices", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 6, Issue 3, March 2018.

3. **A. Samydurai**, B. Vanathi, C. Pabitha and D Sakthi suganya," A Locked and Privacy AidedNavigation in Vehicular Adhoc Networks", World Engineering & Applied Sciences Journal 8 (1): 01-06, 2017, ISSN 2079-2204, DOI: 10.5829/idosi.weasj.2017.01.06

4. R. Vignesh and **A. Samydurai**, " Security on Internet of Things (IOT) with Challenges and Countermeasures", American-Eurasian Journal of Scientific Research 12 (3): 128-134, 2017, ISSN 1818-6785, DOI: 10.5829/idosi.aejsr.2017.128.134

5. G. Kumaresan, **A. Samydurai**, R. Vignesh and S. Dhivya," Fun Ride Applications for like Based Approach in Cloud and Big Data", Middle-East Journal of Scientific Research 24 (10): 3139-3143, 2016 ISSN 1990-9233, DOI: 10.5829/idosi.mejsr.2016.3139.3143

6. **A. Samydurai** and Vasuhi S, "An Enhanced Fault-Tolerance Based E-Content Delivery System Using Range Queries on Peer-to-Peer Networks", 2016. Asian Journal of Information Technology, 15: 211-216

7. **A. Samydurai**, Niveda Karunakaran, K. R. Raghul Priya, S. Sujitha, "Device to Device Resource Dissemination by Social Network" , International Research Journal of Advanced Engineering and Science, Volume 1, Issue 2, pp. 76-78, 2016

8. **Samydurai.A**., Shirly Sudhakaran, Caledoss.S and Hari Prasad.N, "OTGP and Anti-Theft Using RFID, International Journal of Current Multidisciplinary Studies", Vol. 2, Issue, 5, pp.269-272, May, 2016

9. Sakthisuganya D, **A. Samydurai**, "Eye Blinks Recognition for Avoidance of Drowsy Driver", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 4, April 2016,PP.7418-7422.

10. K Priyadharshini, **A Samydurai** , "Adaption of Cloud Computing On Smart Phones To Enable Efficient Multimedia Applications", International Journal of Engineering and Computer Science ISSN: 2319-7242 Volume 5 Issue 5 May 2016, Page No. 16337-16339

11. K.Priyadharshini, **A.Samydurai**, Analysis of Caching Techniques in Mobile Cloud for the Better Quality of User's Experience, International Journal of Innovative Research in Computer and Communication Engineering, Vol.3, Special Issue 8, October 2015, PP.39-43.

12. B Muthusenthil, **A Samydurai**, C Vijayakumaran, IMAP: Intelligent Management of attendance Processing using VI algorithm for Face detection, International Journal of Innovative Research in Technology, 2015, Vol.2, No.1, pp.219-224, Impact factor of the journal=5.442

13. **A Samydurai**, C Vijayakumaran, G Kumaresan, B Muthusenthil,Big Data Analytics for Concurrent Data Processing, International Journal of Computer Applications, 2015,Vol.120, No.3, pp.36-41, Impact factor of the journal= 0.82 (0975 – 8887)

14. **Samydurai, A**., Amitha,T, Bhagyalakshmi S, Aparna G, Govardhani S, Effective and Efficient Utilization of Green Computing Based Optimized Resource in Cloud with VMware, 2015, International Journal of Applied Engineering Research, 2015,Vol. 10, No. 17 , pp.13499-14502, Impact factor of the journal=0.13

15. **Samydurai, A** , Vijakumaran C, Kumaresan G & Revathi K, Towards a Middleware for Resource sharing in Collaboration of Pervasive Computing, 2015, 'Elsevier Procedia Computer Science, 2015,Vol.50, pp. 87–92, Impact factor of the journal=0.28

16. Priya, E. **Samydurai,A**., Amitha,T., Efficient Content Distribution in P2P and Cloud Service, 'Research Journal of Applied Sciences, Engineering and Technology, 2014, Vol. 7(24), pp.5283-5287, Impact factor of the journal=0.16

17. **Samydurai, A** & Shanmugam, A,Data Sharing in a File Structured QoS Aware Peer-to-Peer System, Research Journal of Applied Sciences, Engineering and Technology, 2014,Vol. 7(19), pp.3995-4001, Impact factor of the journal=0.16

18. **Samydurai, A** & Shanmugam, A, "Efficient Tree based Caching for Efficient QoS Peer-to-Peer File Sharing", Proceedings of the International Conference on Information Technology and Management, WIT Transactions on Information and Communication Technologies, 2014,Vol.49, pp.707-714, Impact factor of the journal=0.17

19. **Samydurai, A** & Shanmugam, A, Fault Tolerant Middleware Framework to Improve QoS in Distributed Systems, Research Journal of Applied Sciences, 2014,Vol.: 9(3), pp.154-159, Impact factor of the journal=0.24
20. **Samydurai, A** & Shanmugam, A,"Fault Tolerant Middleware and Server Side Data Replication Framework to Improve QoS in Distributed Systems", 'International Journal of Wulfenia, 2013,vol. 20(4), pp.121-135, Impact factor of the journal=0.649
21. C Sunil Kumar, **A Samydurai**, S R Vinotha, "Security and privacy Solutions for Health Care Information Exchange", International Journal of Medical Engineering and Informatics, 2012,Vol. 5, no.2, pp. 137-144, Impact factor of the journal=0.15
22. Nirupama N, Padmavathi Vedantham, Divya P, **Samydurai A**, Murugesan M., "Transmission of data in a secure manner through wireless network", International Journal of Computer Science and Knowledge Engineering, 2011, Jan-June 2011, pp.29-30, Impact factor of the journal=0.26

International Conferences:

1. K.Revathi, **A.Samydurai**, "Health Trackers in Current Market: A Systematic Review, Trends and Challenges", ICACCS'19 at Sri Eshwar Engg. College, Coimbatore, IEEE Digital Library, 2019(Paper Accepted)
2. K.Revathi, **A.Samydurai**, "A Comprehensive Study on Data Management Solutions to Internet of Things (IoT) based Applications", ICCBI'18 at Vaigai Engg. College, Madurai, Lecture Notes on Data Engineering and Communications Technologies, 2018
3. V.Vijaypriya and **A.Samydurai**, "Designing an Embedded System Based on MODBUS RTU Protocol", ICISPC2K18, 2018
4. **Samydurai A**, Revathi K, Prema P, Arulmozhiarasi D S, Jency J, Hemapriya S, "Secured Health Care Information Exchange on Cloud Using Attribute Based Encryption", Proceedings of the 3rd International Conference on Signal Processing, Communication and Networking (ICSCN 2015), 2015, ISSN: 978-1-4673-6823-0.
5. **Samydurai, A**, Thiyagarajan, S & Mukherjee, S, Resource Manager for QoS Aware Shared Application Clusters, Proceedings of the IEEE Advances in Recent Technologies in Communication and Computing, 2009, pp.149-153.
6. **Samydurai, A** & Mukherjee, S Fully Distributed Active Software Objects Replication in OO-Middleware, 2008, Proceedings of the 16th IEEE International Conference on Networks http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4760205, 2008, pp.1-6.
7. **Samydurai A** & Mukherjee, S 2008, 'PRIM: Pervasive computing Real-time in collaboration of device through Middleware', Proceedings of the Digital Factory, pp.1-5.
8. Abhinaya.S, Divya.N, Indumathi K, **A.Samydurai**, M Murugesan, "Distributed Transactions Processing Framework In Peer-To-Peer Networks", Proceedings of the International Conference on Recent Trent in Computer Science and Engineering, ICRTCSE2012, 2012, pp.62-66.
9. **Samydurai A**, B.Vadivelan, 'Applied Group Automata Theory in Cryptographic System', International Conference on 'Obcom Apc-2005', Vellore Insttitude of Technology, Vellore, December-2005.

National Conferences:

1. **Samydurai, A**, T.Chellatamilan, C. Balamurali, I.S.John Premkumar, 2006 'Embedded Automorphic Chip Card For Security Authentication and Encryption' , 'ACENET-05', PSNA College of Engg and Technology, Dindigul, April -2006.

Research and Development Details

Online Courses

1. Cloud Computing
2. Wireless Ad Hoc and Sensor Networks
3. Algorithms for Big Data
4. Information Security- II
5. Stress Management
6. Gender Justice and Workplace Security

Grant Received

1. Principal Investigator - Received a funded project with a total cost of Rs.11, 50,000 (Rupees Eleven Lakhs Fifty Thousand only) for the project work titled "Smart Health Mobile Case (SHMC): A Design of Remote Health Monitoring Kit using Internet of Things (IoT)" approved by DST-SERB under file number: EEQ/2017/000485 dated 01.02.2018 which is to be completed in two years of time.
2. Coordinator - DietY , a sum of Rs. 1, 00000/- (Rupees One Lakhs has been received from the Department of Electronics and Information Technology (DeitY) to meet the expenditures of **National Workshop on "Guidelines For Patent Drafting and IPR in E&IT Sector"** held on 28.12.17.
3. Coordinator - DST-NIMAT Project 2015-16, letter No: EDI/DST- NIMAT/15-16/204 dated:27/10/2015, a sum of Rs. 20,000/- (Rupees Twenty Thousand only) has been received to meet the expenditures of 3-day **Entrepreneurship Awareness Camp** (EAC) held from 03-03-2016 to 05-03-2016
4. Coordinator - DietY , a sum of Rs. 2, 00000/- (Rupees Two Lakhs has been received from the Department of Electronics and Information Technology (DeitY) to meet the expenditures of **"National Workshop on Awareness in Developing Intellectual Property Rights and Patents"** held on 20 and 21st August 2015.

Patents Filed

"MOBILE CASE WITH REAL TIME HEALTH MONITORING CIRCUITRY" Patent application 201841017779 A has been published in Patent Office Journal.

Funding Submitted

Improvising geospatial activity by tracking and controlling pollution using IOT –25 Lakhs
Farm Green: An IOT enabled Toolkit in Assisting Precision Agriculture – 5 lakhs

Supervisor Guide-ship

1. Approved Anna University Supervisor Recognition – Number **2740153**

Workshop/Conferences/FDP attended

No of workshop/conferences/FDP attended

- **Workshop – 5**
- **Conference – 4**
- **FDP – 6**