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Jaswanth Nagar, Mugappair West, Chennai-600037



Present Position

Assistant Professor, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai .

Present Additional Responsibility

- Chief Superindendant -PG Examinations, , Anna University, Chennai from December-2018.
- Coordinator, Department of Information Technology, Anna University, Chennai from June-2018.

Previous Positions

- Lecturer, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during March-2010 and June-2010.

Previous Additional Responsibility

- , , Anna University, Chennai.

Other Employment

- Assistant Professor, SRM University for 1 year.
- Lecturer, Sri Muthukumaran Institute of Technology for 5 years.
- Server Support Specialist, DELL International Services.

Degree

- ❖ M.E. in COMPUTER SCIENCE ENGINEERING , Sri Muthukumaran Institute of Technology, Anna University (2005 - 2008).

Research Degree

- ❖ Ph.D. in Cloud Security from Faculty of Information and Communication Engineering, Madras Institute of Technology Campus, Anna University (2012 - 2017).
Title: Security schemes for accessing Personal Health Records in Cloud.

Area of Specialisation

- Distributed Systems, Cloud Computing, Information security, Data analytics,

Research Guidance

Number of M.E./ M.Tech. Projects : 10
Guided
Number of M.E./ M.Tech. Projects : 1
Guiding
Number of Ph.D Scholars Guiding : 1
as Joint-Supervisor

Papers Published in Journals

Research Papers Published in International Journals : 8
Research Papers Published in National Journals : 0

1. D. Sangeetha, Vaidehi V, Valliammai T, Aiswarya R, " Enhanced Security of PHR System in Cloud Using Prioritized Level Based Encryption", CCIS, Springer-Verlag, published by Springer-Verlag. Vol. 420, pp. 57-59 (2014).
2. D. Sangeetha, V Vaidehi , A Asiya, "EXR-FIS- Enhanced XML Rule base Fuzzy Inference system for PHR criticality analysis", International Journal of Applied Engineering Research (IJAER), published by Research India Publication. Vol. 21, (2015).
3. Sangeetha D, Vaidehi V, "A secure cloud based Personal Health Record framework in a multi owner environment", Annals of Telecommunications, published by SPRINGER. Vol. 72, Issue 1, pp. 95-104 (2017).
4. Sangeetha D, Vaidehi V, "An Improved Searchable Attribute Based Encryption in Cloud", Journal of Information Science and Engineering, published by Academia-Sinica. Vol. 33, Issue 3, pp. 823-836 (2017).
5. Poorani, Vaidehi, Varalakshmi, Sangeetha D, Athithya, Muralikrishna, "QoS Gurantee Cloud based Remote Health Monitoring System", Journal of Management, ASCI, Vol. 46, Issue 2, (2017).
6. Sibi Chakkravarthy S, Sangeetha D, Vaidehi V, "Intrusion Detection System for detecting wireless attacks in IEEE 802.11 networks", IET Networks, IET Networks, published by IET. Vol. 10, (2018).

7. 6. SibiChakkravarthy S, Sangeetha D, VenkataRathnam, M, Srinithi K, Vaidehi V, " Furistics-Cyber Attacks", International Journal of Knowledge-based and Intelligent Engineering Systems, published by IOS Press. Vol. 22, Issue 3, pp. 195-204 (2018).
8. Sibi Chakkravarthy S, Sangeetha D, Vaidehi V, "A Survey on malware analysis and mitigation techniques", Computer Science Review, published by Elsevier. Vol. 32, pp. 1-23 (2019).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 15
Research Papers Presented in National Programmes : 4

1. .
2. "Sharp hunter: An innovative approach for file sharing and searching in Unstructured P2P" presented in a National level conference on NACIPAN '08, organised by National Engineering College, India from 06-Mar-2008 to 07-Mar-2008.
3. "Adaptive Psecure Access in Mobile P2P systems" presented in a National level conference on NCRTIC'09, organised by Velammal Engineering college, India from 06-Mar-2009 to 07-Mar-2009.
4. D. Sangeetha,R. Lalitha, "Secure Group Communication in web applications" presented in a National level conference on NCMEC, organised by SRM University, India from 08-Apr-2009 to 09-Apr-2009.
5. Sangeetha D, A. Kalaiarasi, "Dynamic heterogeneous data processing in laas Clouds" presented in a International level conference on International Conference on Recent Trends in IT, organised by MIT, Anna University, India from 19-Apr-2012 to 21-Apr-2012.
6. "Harnessing Health care Data Security in Cloud" presented in a International level conference on ICRTIT 2013, organised by MIT, Anna University, India from 25-Jul-2013 to 27-Jul-2013.
7. "Epsshic-Enabling Privacy and Security of Smart Health Care System in Cloud"" presented in a International level conference on ICRTIT 2013, organised by MIT, Anna University, India from 25-Jul-2013 to 27-Jul-2013.
8. "A Cost Effective Clustering based Anonymization approach for Storing PHR's in Cloud" presented in a International level conference on ICRTIT 2014, organised by MIT, India from 10-Apr-2014 to 12-Apr-2014.
9. "A Healthcare Framework for PHR Criticality analysis with ORFIS" presented in a International level conference on International Conference on Intelligent Information Technologies, organised by CEG, Anna University, India from 11-Dec-2014 to 12-Dec-2014.
10. "An improved cloud based privacy preserving approach for secure PHR access" presented in a International level conference on NSCE 2014, organised by Science and Engineering Research Centre, Hong Kong from 25-Dec-2014 to 26-Dec-2014.

11. "A Healthcare Framework for PHR Criticality analysis with ORFIS" presented in a International level conference on ICIIT 2014, organised by CEG, Anna University, India from 10-Dec-2015 to 12-Dec-2014.
12. "Feature selection with noise based generalization for anonymization of personal Health Record in cloud " presented in a National level conference on national conference on intelligent computing and data analytics, organised by Ceg campus Anna University , India from 17-Mar-2016.
13. Sangeetha D Vaidehi V Vijayalakshmi A, "Level based privacy and access control model for health care data in cloud" presented in a International level conference on international conference on science and innovative engineering , organised by Jawahar, India from 03-Apr-2016.
14. "Modified balanced energy efficient network integrated super heterogeneous protocol" presented in a International level conference on International Conference on Recent Trends in Information Technology, organised by MIT, IT, India from 08-Apr-2016 to 09-Apr-2016.
15. Sangeetha,D,Vaishnavi,D , Vaidehi,V , "Graph Based Access Structure with Decentralized Anonymous Authentication of Health Care data in Cloud" presented in a International level conference on National Conference on Intelligent System and Communication , organised by CEG, AU, India from 23-Jun-2016 to 24-Jun-2016.
16. "Information Retrieval System for Laws" presented in a International level conference on International Conference on Advanced Computing(ICoAC 2017), organised by MIT, India from 19-Jan-2017 to 21-Jan-2017.
17. N Shravan, V Vaidehi, D Sangeetha, R Remo Antony, R Raghul Vaikundam, "Intelligent personalized Remote Health Monitoring System (IPRHMS)" presented in a International level workshop on Geospatial Public Health Symposium, organised by ASCI Hyderabad, India from 01-Jul-2017 to 02-Jul-2017.
18. "Abnormality detection on vital parameters using modified weighted average method in cloud" presented in a International level conference on International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials , IEEE, organised by Vel Tech, India from 02-Aug-2017 to 04-Aug-2017.
19. R. Raghul Vaikundam, D. Sangeetha, V. Vaide, "A Cloud based Two Layered Access Control withDecentralized Anonymous Authentication in Healthcare" presented in a International level conference on International Conference on Advanced Computing(ICoAC 2018), organised by MIT, India from 13-Dec-2018 to 15-Dec-2018.

Books Published

1. "Enhanced Security of PHR System in Cloud Using Prioritized Level Based Encryption:Communications in Computer and Information Science " - 420th edition authored by D. Sangeetha, D. Sangeetha and Valliammai T and published by Springer-Verlag, Germany.(2014)

2. "An improved cloud-based privacy preserving approach for secure PHR access : Proceedings of the 2014 International Conference on Network Security and C" authored by D. Sangeetha and V. Vaidehi and published by CRC Press, Hongkong.(2014)

Sponsored Projects Completed

1. "Intelligent Remote Health Monitoring System ", funded by DST (June-2015 - July-2017). Project Cost: 16.80.

Programme Chaired

1. Chairman, International level conference.
2. Chairman, International level conference titled "International Conference on Advanced Computing" conducted by Anna University, MIT Campus from 14-Dec-2017 to 16-Dec-2017.

Programme Organized

1. Organizing committee, International level conference on "ICRTIT 2011" from 02-Jun-2011 to 04-Jun-2011.
2. Coordinator, International level workshop on "Recent Developments in Neural Networks" from 03-Oct-2012 to 05-Oct-2012.
3. Coordinator, International level Short Course on "Faculty Development Training Programme" from 24-Jun-2014 to 30-Jun-2014.
4. Publicity chair, International level conference on "ICRTIT 2016" from 08-Apr-2016 to 09-Apr-2016.
5. COORDINATOR , International level Short Course on "FDTP ON GRID AND CLOUD COMPUTING " from 23-May-2016 to 29-May-2016.

Programme Attended

1. Participated in a National level workshop.
2. Participated in a International level conference on "ICRTIT2011" organized by MIT, India from 03-Jun-2011 to 05-Jun-2011.
3. Participated in a International level workshop on "Recent Trends in Wireless Sensor Networks" organized by MIT, India from 28-Nov-2011 to 29-Nov-2011.
4. Participated in a International level workshop on "Simulation of Advanced Networks using NS-2(WSAN'11)" organized by MIT, India from 02-Dec-2011 to 03-Dec-2011.
5. Participated in a International level workshop on "Network Security" organized by CEG, Anna University, India from 17-Aug-2012.

6. Participated in a International level workshop on "Cloud Computing" organized by MIT, Anna University, India from 12-Sep-2012 to 14-Sep-2012.
7. Participated in a International level workshop on "National e-Governance plan" organized by MIT, Anna University, India from 19-Dec-2012.
8. Attended a International level seminar on "Mobile and Pervasive computing" organized by MIT, India from 06-Mar-2013 to 07-Mar-2013.
9. Participated in a International level workshop on "Innovation and Entrepreneur Skills" organized by CTD, Anna University, India from 14-Jun-2013.
10. Attended a National level Short Course on "Self awareness goals for higher education (SAGHE) 2016" organized by Indian Institute of Technology IIT Madras, India from 30-May-2016 to 03-Jun-2016.
11. Attended a International level Short Course on "Two week "ISTE- sponsored STTP Workshop on CMOS, Mixed signal and Radio Frequency design" organized by MIT Campus, Anna University, India from 30-Jan-2017 to 04-Feb-2017.
12. Participated in a International level conference on "Geohealth-2017" organized by Administrative Staff College of India, Hyderabad, India from 01-Jul-2017 to 02-Jul-2017.
13. Participated in a International level conference on "Open Innovation Hackathon-2017" organized by Berkeley- Andhra Smart Village, India from 29-Aug-2017 to 31-Aug-2017.
14. Attended a International level Short Course on "AICTE sponsored Two weeks Faculty Development Programme on Deep Learning for Image and Text Analysis:Principles, Techniques and Challenges" organized by SSN College of Engineering, India from 13-Nov-2017 to 26-Nov-2017.
15. Participated in a International level conference on "International Conference on Advanced Computing 2018" organized by Anna University, MIT Campus, India from 14-Dec-2017 to 16-Dec-2017.
16. Attended a International level Short Course on "Advanced Pedagogy Techniques for Professional development" organized by MHRD, Government of India,NITTTR, Taramani, India from 18-Dec-2017 to 30-Dec-2017.
17. Attended a International level Short Course on "Two-week Induction Programme for first year students" organized by Anna University, CEG, India from 18-Jul-2018 to 30-Jul-2018.

Honours

1. "Best Lecturer " given by Sri Muthukumaran Institute of Technology from India (2005).
2. "Healthcare challenge Award " given by UC Berkeley-AP Smart Village from India (2017).

Experience Abroad

1. Visited Science and Engineering Research Centre(SERC), Hongkong from 25-Dec-2014 to 26-Dec-2014. Purpose of visit :Research Paper Publication.

Invited Lectures

1. Delivered a Lecture on "Virus and Malicious Software" in FDTP organized by MIT, MIT (12-Dec-2011).
2. Delivered a Lecture on "JAX-RPC" in FDTP organized by MIT, MIT (03-Dec-2012).
3. Delivered a Lecture on "Distributed Data mining" in FDTP- TEQIP sponsored organized by GCE-Bargur, Bargur (23-Aug-2013).
4. Delivered a Lecture on "Cloud security" in Workshop on network security and challenges organized by Department of Electronics MIT campus Anna Univers, MIT (17-Aug-2015).
5. Delivered a Lecture on "Distributed systems, synchronization " in fdtp on distributed systems organized by MIT campus Anna University , It MIT (30-Nov-2015).
6. Delivered a Lecture on "Cloud security and tools" in Workshop on security issues in network organized by Saveetha University Department of ECE, Saveetha University (21-Apr-2016).
7. Delivered a Lecture on "Cloud computing and service oriented architecture " in fdtp on grid and cloud computing organized by MIT Anna University , it dept (23-May-2016).
8. Delivered a Lecture on "Privacy and Data issues in Consumer Protection" in "Consumer Protection in the Digital Age: The Way Forward" organized by Chair of Excellence on Consumer Law and Jurisprudence, Dr. Ambedkar Law University, Taramani, Chennai (15-Mar-2017).
9. Delivered a Lecture on "Privacy Preservation" in Cyber Security Workshop organized by VIT University, Chennai (12-Sep-2017).
10. Delivered a Lecture on "Data security in online transactions" in Consumer Rights Day organized by TamilNadu Dr. Ambedkar Law University, Taramani, Chennai (15-Mar-2018).
11. Delivered a Lecture on "Research Issues in Health Analytics: Vistas for Future Research" in Health Analytics organized by ASCI, Hyderabad, Hyderabad, Telangana State (28-Mar-2018).
12. Delivered a Lecture on "Technologies in Healthcare" in Workshop on Analytics in Public Health organized by ASCI, Hyderabad, Hyderabad, Telangana State (05-Sep-2018).