Dr. SHANTHA MARY JOSHITTA R

Name	: Dr. Sr. R. SHANTHA MARY JOSHITTA
Designation	: Head & Assistant Professor
Department	: Computer Science
Date of Birth	: 01.06.1975
Date of Appointment	: 13.06.2001

Present Address: St. Anne's Convent
J. A. College Campus
Periyakulam, Theni Dt. – 625 601

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ACADEMIC

1.	Ph.D in Data Security in IoT Environment	St Joesph College (Autonomous), Bharathidasan University, Trichy.	2019
2.	Online Certificate Course on Deep Learning Prerequisites: The Numpy Stack in Python (V2+)	Udemy Online Course	2021
3.	Online Certificate Course on Machine Learning, Data Science and Deep Learning with Python	Udemy Online Course	2021
4.	Virtual Training Program and Faculty Development Program On Data Science	Andhra Pradesh State Skill Development Corporation (APSSDC) and ExcellR	2020

5.	Online Certificate Course on The Complete Cyber Security Course: Network Security	Udemy Online Course	2020
6.	Online Certificate Course on Deep Learning Prerequisites: The Numpy Stack in Python	Udemy Online Course	2020
7.	Online Certificate Course on Modern Deep Learning in Python	Udemy Online Course	2020
8.	Complete Python Bootcamp From Zero to Hero in Python	Udemy Online Course	2020
9.	Online Certificate Course on Python programming for beginners from Scratch	Udemy Online Course	2019
10.	State Eligibility Test (SET)	Mother Teresa Women's University, Kodaikanal	2017
11.	Counsellor Training Programme	Anugraha, Capuchin Institute of Counselling, Psychotherapy and Research, Dindigul, Tamilnadu	2013
12.	M.C.A	Cauvery College for Women, Bharathidasan University, Trichy.	2001
13.	B.Sc. Computer Science	Cauvery College for Women, Bharathidasan University, Trichy.	1998

Teaching Experiences

- Working as Head of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni Dt. Since 2008 to 2014, 2019- till date.

- Working as Assistant Professor in Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni Dt. – 625 601, since 2001 - 2003 and 2007 – 2015, 2018- till date.
- Worked as Controller of Examinations in Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, since 2014 to 2015.
- Worked as Tamil Programme Producer,   Radio Veritas Asia, Buick St., Fairview Park, Quezon City, Metro Manila – 1106, Philippines, Since 2004 to 2007.

Research Experiences

1. Research Papers Presented/ Published:	Papers Published : 27 (Scopus – 6, IEEE – 2, Elsevier – 1, ACM – 1, UGC Care List - 8) Book Chapter :1 Papers presented in Inter. Conf. :16 National / State-level Conf. : 11
2. Specialization	Security in Internet of Things, Big Data Analytics and Data Science
3. International Paper Presentation	St. Anne's College, Oxford University, London, UK – August, 2019

Book Chapter

1. Shantha Mary Joshitta R. and Arockiam L., **"ESIHS: Enhancing Security in IoT enabled smart healthcare system",** Chapter 14, Advanced Engineering Research and Applications, Research India Publications, May, 2017, pp. 212-223.

Papers Published in International Journals

1. Shantha Mary Joshitta R, Jenifer Jothi Mary A and Arockiam L, "**Security Analysis of AroSheb_Jo, A Hybrid One Time Password Generation Algorithm for IoT Data**", Proc. Of the International Virtual Conference On

Emerging Trends In Computing (IVCET 2020), Bishop Heber College (Autonomous), Trichy, 14th December 2020

2. Jenifer Jothi Mary A and Shantha Mary Joshitta, "Aspect Based Sentiment Analysis of Students' Opinion Using Big Data Analytics", Our Heritage Journal, Volume 68, Issue 1, 2020, pp. 8683 – 8693. **(UGC Care Listed, IF: 4.912)**

3. Shantha Mary Joshitta R, Arockiam L and Sheba Kezia Malarchelvi P.D., **"Security Analysis of SAT_Jo Lightweight Block Cipher for Data Security in Healthcare IoT"**, Proc. of the 3rd International Conference on Cloud and Big Data Computing, Oxford, UK, 2019, pp. 111-116, DOI: 10.1145/3358505.3358527, ISBN: 978-1-4503-7165-0, **Indexed by ACM, Ei Compendex, Scopus and reviewed by Thomson Reuters -ISI Web of Science.**

4. Jasmine B, Shantha Mary Joshitta R, Durga Devi R, **"Analyzing Retail Marketing in Theni district using Data Mining Approaches"**, International Journal of Scientific Research in Computer Science Applications and Management Studies (ISSN 2319 –1953), Volume 8, Issue 1, January 2019, pp. 1-6. **(UGC Approved Journal No.: 63611 - IF: 1.654)**

5. Shantha Mary Joshitta R. and Arockiam L., "**A Novel Block Cipher for Enhancing Data Security in Healthcare Internet of Things**", Journal of Physics: Conference Series, 2018, Volume 1142, Issue 1, pp. 1-12. DOI:10.1088/1742-6596/1142/1/012002 (ISSN: 1742-6596, H-Index: 59) (Indexed by Web of Science & Scopus and UGC Approved Journal No.: 19222)

6. Shantha Mary Joshitta R. and Arockiam L., **"Architecture for Secure Data Management in Healthcare Internet of Things",** International Journal of Scientific Research in Computer Science Applications and Management Studies, ISSN 2319 – 1953, Volume 7, Issue 3, 2018, pp. 1-5. (UGC Approved Journal No.: 63611 - IF: 1.654)

7. Shantha Mary Joshitta and Arockiam L, **"SAT_Jo: A Lightweight Block Cipher for Enhancing Data Confidentiality in Internet of Things Environment",** Proc. of the Second International Conference on Intelligent Computing and Control Systems (ICICCS), 2018, **IEEE**, DOI: 10.1109/ICCONS.2018.8663068

8. Shantha Mary Joshitta R. and Arockiam L., "**ANNA: A Unified Framework fo r Data Security in Healthcare Internet of Things**", ICTACT Journal on Communication Technology, ISSN: 2229-6948 (Online), Volume 9, Issue 2, 2018, pp. 1740-1748. DOI: 10.21917/ijct.2018.0255. (Free Journal)

9. Shantha Mary Joshitta and Arockiam L, **"Key Generation Algorithm using Soft Set for data security in Internet of Things**" 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018, Malaviya National Institute of Technology (MNIT), Jaipur – **Elsevier, Scopus**

10. R. Shantha Mary Joshitta and L. Arockiam, **"Device authentication mechanism for IoT enabled healthcare system",** IEEE, December 2017, **avaiable at:** http://ieeexplore.ieee.org/document/8186646/
    DOI: 10.1109/ICAMMAET.2017.8186646

11. R. Shantha Mary Joshitta and L. Arockiam, **"Authentication Of Energy Constrained Devices In Internet Of Things Based Healthcare System**", International Journal of Computational Intelligence and Informatics, June 2017 (Accepted), **(Free Journal)**

12. R. Shantha Mary Joshitta and L. Arockiam, **"Secure Two-Tier User Authentication Mechanism For IoT Enabled Smart Healthcare System",** International Journal of Recent Scientific Research, Volume 8, Issue, 7, pp. 18259-18263, July, 2017, DOI: http://dx.doi.org/10.24327/ijrsr.2017.0807.0478
    (UGC Indexed Journal, NO: 46629**) IF. 6.86.**

13. R. Shantha Mary Joshitta and L. Arockiam, **"Hybrid One Time Password Mechanism for User Authentication in Internet of Things**

Environment", Special Issue of Journal of Advanced Research in Dynamical and Control System, Issue 17, 2017, pp. 1547-1558. **(Scopus - H -Index: 6)**

14. R. Shantha Mary Joshitta and L. Arockiam, "EPC **Based Authentication of Devices in the Smart Healthcare System",** International Journal of Electrical, Electronics & Computer Science Engineering (IJEECSE), Volume 4, Issue 4, 2017 **(UGC Indexed Journal,** NO: 44927**),** ISSN: 2348-2273, pp. 6-11. **(IF: 4.255)**

15. R. Shantha Mary Joshitta and L. Arockiam, **"A Neoteric Authentication Scheme for IoT Healthcare System**", International Journal of Engineering Sciences & Research Technology (IJESRT), Volume 5, Issue. 12, 2016, pp. 296-303. (**IF.4.116).**

16. R. Shantha Mary Joshitta and L. Arockiam, "**Authentication in IoT Environment: A Survey**", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 6, Issue 10, 2016, pp. 140-145. (**IF 2.5**).

17. R. Shantha Mary Joshitta, L. Arockiam and P.D. Sheba Kezia Malarchelvi, "**A Novel Authentication Scheme for IoT enabled Smart Healthcare System**", International Journal of Engineering Research & Technology(IJERT), Volume 4, Issue 29, 2016, 174-179.(**IF: 1.76**).

18. R. Shantha Mary Joshitta and L. Arockiam, "**Security in IoT Environment: A Survey**", International Journal of Information Technology and Mechanical Engineering (IJITME), Volume 2, Issue 7, 2016, pp. 1-8. (**IF: 0.791**).

19. S.Shyni, R. Shantha Mary Joshitta and Dr. L. Arockiam, "**Applications of Big Data Analytics for Diagnosing Diabetic Mellitus: Issues and Challenges**", International Journal of Resent Trends in Engineering and Research, Volume 02, Issue 06, 2016, pp. 454 -461. (**IF 3.344**).

20. R. Shantha Mary Joshitta and L. Arockiam, "**A Predictive Model to Forecast and Pre-Treat Diabetes Mellitus using Clinical Big Data in Cloud**", International Journal of Applied Engineering Research, Volume 10

Issue 82, 2015, pp. 55-59. **(IF .8) (Scopus Indexed), Anna Uni. Annex. II.**

21. K. Sujitha, R. Shantha Mary Joshitta and B. Nivetha, **"Impacts of Television Serials on Tamil Rural Women: A Data Mining Case Study of Theni District",** International Journal of Engineering and Computer Science, Volume 4 Issue 7, 2015, pp. 12974-12979. **(IF .564).**

22. R. Shantha Mary Joshitta, M. Nithya and P. Vidya, "**Consummate Cluster Labeling for Spread Network**", International Journal of Innovative Science, Engineering & Technology, Volume 1 Issue 6, 2014, pp. 376-381. **(IF 4.332).**

23. R. Shantha Mary Joshitta, N. Nagajothi and M. Sujitha, "**Ethical Issues Faced by college Students by the usage of Social Networking Sites with Reference to Theni District**", ZENITH International Journal of Multidisciplinary Research, Volume 4, Issue 2, 2014, pp, 63-71. **(IF 0.675).**

24. R. S. M. Joshitta, N. Divya and R. Princitta, "**A Study on Individual Tax Payers' Attitude in Theni District: A Data Mining Approach**", International Journal of Computer Science Research and Application, 2013, Volume 03, Issue, 03, 2013, pp, 37-48.

25. R Shantha Mary Joshitta and R. Savithri, **"Open Source Software for Image Processing: A Comparative Study**", Salesian Journal of Humanities & Social Sciences, Volume IV, Issue 1, 2013.

26. R. Shantha Mary Joshitta and J. Arul Mary Jenitha Rani "**Tamil Web Blogs: A Boon for the Freedom of Expression**", Eubios Journal of Asian and International Bioethics, Volume 21, Issue 6, 2011, pp. 217 – 219.

27. G. Petricia Alpine Nirmala and R. Shantha Mary Joshitta, "**Smart Classroom is a Boon to Improve Computer Skills in Rural India: A Case Study of Theni District** " in the CiiT International Journal of Artificial Intelligence System and Machine Learning, Volume 3, Issue 3, 2011, pp. 156 – 161.

Papers Presented in International Conferences

28. Shantha Mary Joshitta R , Jenifer Jothi Mary A and Arockiam L, "**Security Analysis of AroSheb_Jo, A Hybrid One Time Password Generation Algorithm for IoT Data**", International Virtual Conference On Emerging Trends In Computing (IVCET 2020), Bishop Heber College (Autonomous), Trichy, 14th December 2020

29. Shantha Mary Joshitta R, Arockiam L and Sheba Kezia Malarchelvi P.D., **"Security Analysis of SAT_Jo Lightweight Block Cipher for Data Security in Healthcare IoT"**, 3rd International Conference on Cloud and Big Data Computing (ICCBDC 2019), St Anne's College in University of Oxford, Oxford, United Kingdom, August 28-30, 2019.

30. Shantha Mary Joshitta R. and Arockiam L., "**A Novel Block Cipher for Enhancing Data Security in Healthcare Internet of Things**", International Conference on Internet of Things, Kristu Jayanti College (Autonomous), Bangalure, 5th December, 2018.

31. Shantha Mary Joshitta and Arockiam L, **"Key Generation Algorithm using Soft Set for data security in Internet of Things**" 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018, Malaviya National Institute of Technology (MNIT), Jaipur – **ELSEVIER, Scopus**

32. Shantha Mary Joshitta and Arockiam L, **"SAT_Jo: A Lightweight Block Cipher for Enhancing Data Confidentiality in Internet of Things Environment",** IEEE Second International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, 2018, DOI: 10.1109/ICCONS.2018.8663068

33. R. Shantha Mary Joshitta and L. Arockiam, "**Hybrid One Time Password Mechanism for User Authentication in Internet of Things Environment**", 18th International Conference on Advanced Techniques in Engineering, Science & Management Organized by International Organization of Scientific Research and Development (IOSRD) Bangalore, India, held on 06 - 07 October 2017.

34. R. Shantha Mary Joshitta and L. Arockiam, **"User_Auth: Secure Two-Tier User Authentication Mechanism for IoT Enabled Smart Healthcare System",** International Conference on Newer Engineering Concepts and Technology (iConnect2K17), organized by K. Ramakrishnan College of Technology, Tiruchirappalli, March 29-30, 2017.

35. R. Shantha Mary Joshitta and L. Arockiam, **"Device Authentication Mechanism For IoT Enabled Healthcare System",** IEEE sponsored International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies – 2017 (ICAMMAET), organized by Bharath University, Chennai, February 2017.

36. R. Shantha Mary Joshitta and L. Arockiam, **"EPCAMD: EPC Based Authentication for Secure Accessing of Medical Devices in the Smart Healthcare System",** Springer Sponsored International Conference on IoT, Data Science and Security, organized by Department of Information Technology, PSG College of Technology on 05 - 07 January 2017.

37. R. Shantha Mary Joshitta, L. Arockiam, P.D. Sheba Kezia Malarchelvi, "**A Novel Authentication Scheme for IoT enabled Smart Healthcare System**", International Conference on "Internet of Things", conducted by Department of Computer Science and Engineering, APS College of Engineering held in 18-19, August 2016.

38. R. Shantha Mary Joshitta and L. Arockiam, "**A Predictive Model to Forecast and Pre-Treat Diabetes Mellitus using Clinical Big Data in Cloud**", International Conference on Advance Computing in Jamal Mohamad College (Autonomous), December. 3 and 4, 2015.

39. R. Shantha Mary Joshitta, "**Ethical Issues that Arise among College Students by the usage of Social Networking Sites**", in the proc of International Conference on Bounds of Ethics in a Globalized World-BoE2014 in Christ University, Bangalore, on 6th& 7th January 2014.

40. R. Shantha Mary Joshitta, R. Savithri, R. Princitta and M. Jesu Prakash, "**Equitable Standard School Education is successful in Smart Schools: a Case Study of Theni District**", International Conference in Information

and Communication Technology ICICT-2010, Thiagarajar School of Management, Madurai, 16,17th December, 2010.

41. G. Petricia Alpine Nirmala and R. Shantha Mary Joshitta, "**Smart Classroom is a Boon to improve Communication Skills in Rural India: A Case Study in Theni District**", International Conference on "Language Development and Computing Methods", in Karunya University, Coimbatore on December 2 – 3, 2010.

42. R. Shantha Mary Joshitta and Y. Yesu Thangam, "**Green technology: Green light for India's growth**" in Proc of International Conference on Emerging Trends in Computer Science, Communication and Information Technology, Yeshwant Mahavidyalaya, Nanded, Maharashtra, India, "*Won a cash award for the best poster presentation in the conference*".

Papers Presented in National Conferences

43. Jasmine B, Shantha Mary Joshitta R, Durga Devi R, **"Analyzing Retail Marketing in Theni district using Data Mining Approaches",** National Conference on Internet of Things, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam, 22nd February, 2019.

44. R. Shantha Mary Joshitta, S.Shyni and Dr. L. Arockiam, "**A Methodology for Pre-Processing and Construction of Diabetic Mellitus Warehouse**", Fifth National Conference on "Intelligent Computing" (FNCIC 2016), by KS Rangasamy College of Arts and Science (Autonomous), Tiruchengode, 16-17, September, 2016.

45. R. Shantha Mary Joshitta, S.Shyni and Dr. L. Arockiam, "**A Survey on Big Data Analytics for Healthcare**", UGC Sponsored National Seminar on Emerging Trends in ICT Enabled Teaching Learning Process, Pavanatma College, Murockassery, Iduki, Kerala on 11-12, February, 2016.

46. R. Shantha Mary Joshitta, "**Open Source Softwares for Image Processing: An Analysis**", on National Conference on 'The Rising Of Bric Economics – A Scenario Thinking, at Dept. Of Management Studies, PET Engineering College, Vallioor, Tirunelveli on 24, November, 2010.

47. R. Shantha Mary Joshitta, "**E-Waste Minimization: A Key To Save The Himalayan Glaciers**", in the proc of National Conference on Computer Science And Engineering – 2010 (NCCSE – 2010), organized by Department of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni.

48. R. Shantha Mary Joshitta and R. Ramya, "**Web people search via connection analysis**", in the proc of National Conference on Computer Science And Engineering – 2010 (NCCSE – 2010), organized by Department of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni.

49. R. Shantha Mary Joshitta and R. Princitta, "**ICT Enabled Smart Schools: Need of the Hour**", in the proc of the National Conference on Digital Vision 2020, in Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni.

50. R. Shantha Mary Joshitta and R. Savithri, "**Open Source Software For Image Processing: A Comparative Study**", National Conference on IT and its Applications, Salesian College, Silliguri, Darjeeling, West Bengal, 5,6th October, 2010.

51. R. Shantha Mary Joshitta and Ms. J. Arul Mary Jenitha Rani, "**Tamil Web Blogs: A Boon for the freedom of Expression**" Proc of the National Conference on Human Rights, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, 9th & 10th December 2010.

52. R. Shantha Mary Joshitta, M. Arul Mozhi, "**Basic Science Education and Research Re-Emerging Interest**" Proc of the National Conference on Quality and Relevance in Higher Education : New Challenges , Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, on 2-3rd March. 2009.

53. R. Shantha Mary Joshitta, Mary Radhika, **"Role of NSS Volunteers in Rural Education through ICT"** in Proc of National Seminar Participative and Responsive Organizational Dynamics for Quality Improvement in

Autonomous Colleges, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, December, 2007.

54. R. Shantha Mary Joshitta, A. Leyo Rajesh, "**Conventional Computers to Quantum Computers – An Overview**" in Proc of National Seminar in Emerging trends in Physics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, August 2007.

Books Published

1. Co-authored **"Research in a Nutshell",** Textbook for Research Methodology, Published by Institute for Communication and Technology, Trichy-3, 2016.

2. Co-authored "**A Textbook for MS Office 2007**", Course material for the Computer Course for the Sisters of St. Anne, Palai Province, Published by ACCA Publications, 2014.

3. Co-authored "**Computer Basics for Beginners**", Course material for the I UG Computer Science Students, published by ACCA Publications.

4. Authored "**Computers Ground Up – Edition II**" – for Computer Literacy – I year students of Jayaraj Annapackiam College for Women, Periyakulam, August, 2013.

5. Co-authored "**A Textbook for Desktop Publishing**", Course material for the Certificate Course in Desktop Publishing, published by ACCA Publications.

6. Co-authored "**Get Your Feet Wet with CoralDRAW**" Course material for Certificate Course in Graphics designing, in October 2012, published by ACCA Publications.

7. Co-authored "**Craft Your Webpage**" – for Computer Literacy – I year students of Jayaraj Annapackiam College for Women, Periyakulam, December, 2008.

8. Authored "**Computers Ground Up**" – for Computer Literacy – I year students of Jayaraj Annapackiam College for Women, Periyakulam, August, 2008.

9. Co-authored "**Not ME; But You - Text Book for NSS Volunteers**" – for NSS Volunteers of Jayaraj Annapackiam College for Women, Periyakulam, February, 2008.

10. Co-authored "**Office Automation – I**"- for Computer Literacy – I & II year students of Mother Teresa Women's University, June 2003.

Lecture delivered

1. **Delivered a talk** on "**Journal and Chapter Writing**" to the Research scholars of department of Computer Science, St. Joseph's College on 30.12.2020.

2. **Delivered a talk** on "**Let us Celebrate our Flag**" to St. Anne's College of Engineering and Technology on 07.12.2020.

3. **Chaired a debate** on "பெண்மையைப் போற்றுவோம்**"** to the NSS volunteers in the International Women's on 06.03.2020.

4. **Served as the Subject Experts** for the Board of Studies of Diploma in JAC Community College, Periyakulam, on 31st January, 2020

5. **Delivered a talk** on "வெற்றி நமதே. முயன்றால் முடியாதது ஒன்றுமில்லை" to the NSS volunteers in the NSS Special Camp on 22.11.2019.

6. **Resource person** in the **Crash Course on Cracking UGC-NET/JRF (Exclusive Focus on Paper I)** organized by the Minority Cell, JAC Academy, Periyakulam on 28 – 29th September, 2019.

7. Served as a Resource Person and delivered **a lecture on "Know Your Computers",** In-service Training Programme for Science Teachers, on 19th February 2019, at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.

8. Served as a Resource Person and delivered **a lecture on "Advance Big data Analytics using R",** on 25th January 2018, at Cauvery College for Women, Trichy.

9. Served as a Resource Person and delivered **a lecture on "Big data Analytics",** on 12th August 2017, at Adi Shankara Institute of Engineering Technology, Kalady, Kerala.

10. Served as a Resource Person and delivered **a lecture on "Big Data Analytics",** on 7th July 2017, at Pavai College of Engineering, Erode.

11. Served as a Resource Person and delivered **a lecture on "Security in IoT",** on 5th March, 2017, at St. Xavier's College (Autonomous), Palayamkottai.

12. Served as a Resource Person and delivered **a lecture on "Issues and Challenges in ICT for Education"**, on 22nd September 2016, in St. Anne's B.Ed College for Women, Periyakulam, Theni.

13. Served as a **Resource Person in two day State level workshop on "Data Analytics using R"** on 20th and 21st September 2016 in the State level workshop in Department of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni.

14. Served as a **Resource Person for the Seminar on "IoT Security"** on 17th September 2016 in the Post Graduate and Research Department of Computer Science, St Joseph's College of Arts and Science (Autonomous),Cuddalore.

15. Delivered an **Invited Talk on "Policies on Women Welfare & Sustainable Development"** in the UGC sponsored National Conference on "Sustainable Development and the Role of Women in National Building" by Department of History, Jayaraj Annapackiam College For Women (Autonomous), Periyakulam, Theni, 11-12, Febuary 2015.

16. Delivered a **guest lecture on "Retrospect of Computer Organization"** in the Computer Science Association, in Nadar Saraswathi College, Theni, on 7.01.2015.

17. Delivered an **Invited Talk on "Mind Map"** in the association meeting of Mathematics department of JAC on 07.01.2013.

18. Delivered a **keynote address in JAC MATHS FEST** -Intercollegiate Meet organized by PG Department of Mathematics, Jayaraj Annapackiam Collge for Women, Periyakulam on16th, December, 2013.

19. Delivered **a lecture on "**வாசிப்போம் -வாழ்வை வளமுடன் வழிநடத்துவோம் **(Read; Lead our Life happily**)**"** for school students of Theni district organized by college library committee at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, Periyakulam on 16.11.2012.

20. Delivered a **lecture on "Today's Youth – New Challenges"** in the Gender Cell of Sri Kaleswari College, Sivakasi on 25.08.2012.

21. Delivered a **lecture on "Role of Computer in Rural Women"**, Creation of Science awareness To self-help groups at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni on 04.02.2010.

22. Delivered a **lecture on "Computer: A gift of Innovation",** Creation of Scientific awareness To school Students, at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni on 05.02.2010.

23. Delivered a **lecture on "Computers – The Basic – Ice Breaking"**, "Hands on Training in Information Technology - Summer Camp for Rural School Students", at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, from 29.06.2009 - 03.07.2009.

24. Delivered a **lecture on "Internet – a Tool for Research"**, in Hands on Training in Information Technology - Summer Camp for Rural School Students", at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, from 29.06.2009 - 03.07.2009.

25. Delivered a **lecture on "Basics Of Computers",** in In-service Training Programme for Secondary Grade Teachers, at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, 6-10th January, 2009.

Memberships

1. **Reviewer** for the Special Issue for Advances in Science, Technology and Engineering Systems Journal, 2020

2. **Reviewer** for the Fourth National Conference on Computational Intelligence, Kristu Jayanti College (Autonomous), Bangalore

3. **Professional Membership** in the Institute for Engineering Research and Publication, 2020

4. **Reviewer** for the Seventh International Symposium on Women in Computing and Informatics (WCI'19), Trivendrum Kerala

5. **Reviewer** the Third National Conference on Computational Intelligence, Kristu Jayanti College (Autonomous), Bangalore

6. **Conference Reviewer,** Sixth International Symposium on Women in Computing and Informatics (WCI'18), IEEE, India

7. **Journal Reviewer** of Advances in Science, Technology and Engineering Systems Journal (ASTESJ), USA

8. **Life time Member** – Indian Society of Systems for Science and Engineering

9. **Lifetime Member**, ACCS, Membership Id - L0199A1523463

10. **Member,** International Association of Academicians (IAASSE), Membership UID: IAASSE0001042

11. **Member**, IEEE, Membership Number 93000333

12. **Member**, Indian Association of Research in Computer Science, New Delhi

13. **Member**, Technical Programme Committee, Sixth International Symposium on Women in Computing and Informatics (WCI-2018).

14. **Member**, Technical Programme Committee, Fourth International Symposium on Women in Computing and Informatics (WCI-2016).

15. **Member**, Technical Programme Committee, Third International Symposium on Women in Computing and Informatics (WCI-2015).

16. **Subject Expert**, Board of Studies, Department of IT & M, Arul Anathar College, Karumathur, from 2010 to 2012.

17. Served as a **Subject Expert** for the revision of syllabus for the Hr Sec Schools of Tamilnadu, held on 30.1.2013 in T.M.H.N.U Mat. Hr, Sec. School, Theni.

18. **Chairman**, Board of Studies of the Department of Computer Science, Jayaraj Annapackiam College for Women, Periyakulam, from June 2008 to 2014.

19. **Member**, Academic Council, Jayaraj Annapackiam College for Women, Periyakulam, from June 2008 to 2015, 2019 – till date.

20. **Member** of the Staff Council of Computer Science, Jayaraj Annapackiam College for Women, Periyakulam, from June 2001 to December 2003, June 2008 to 2014, 2019 – till date.

Other information

1. Scored II Rank in Matriculation Examinations at school level held at State Level.

2. Won Best Paper award for the Poster "**Green Technology : Green Light for India's Growth**", presented in the International Conference on Emerging Trends in Computer Science, Communication &Information Technology, Yeshwant Mahavidyalaya, Nanded, Maharastra, India and won the Cash award of Rs 1500/-.

Additional charges held at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam:

1. Co-ordinator, Minority Coaching Cell, From June 2018 to till date.
2. Co-ordinator, JAC 50th Jubilee Committee.
3. Placement Director - From June 2007 to 2014.
4. Hostel Director - From June 2009 to May 2011.
5. NSS Programme Officer - From June 2007 to May 2009.

Conferences / Workshops / Seminars / Orientation Programs Attended (from 2014 onwards)

1. National Level Online Quiz on **"Statistical Tools Analysis",** Post Graduate and Research Department of Commerce, Vivekananda College, Tiruvedakam West, Madurai-625234 on 30th June 2020.

2. **Quiz Tarrant** by St. Joseph's College of Arts and Science for Women, Mookandapalli, Sipcot, Hosur, Krishnagiri District from 14th June 2020 to 17th June 2020

3. Webinar on **Exercise of Outcome Based Education in English Language and Literature** by Jayaraj Annapackiam College For Women Autonomous, 16.06.2020

4. **Essential Mathematics for Engineering projects and Research – An Insight into Methodologies** by SASTRA Deemed University, Tanjor on 12.06.2020

5. 5-day **career course on Data Science** by Department of Data Science, Loyola College, Chennai from 08-12, June 2020

6. International Level Webinar on **"Opportunities in new Normal",** St. Xavier's College (Autonomous), Palayamkottai on 25.06.2020

7. International Level Webinar on **"Digital Accessibility tech for Blind"** St. Xavier's College (Autonomous), Palayamkottai on 26.06.2020

8. International Level Webinar on **"Data Visualization using Tableu"**St. Xavier's College (Autonomous), Palayamkottai, on 27.06.2020

9. International Level Webinar on **"Mobile App Development using Ionic Framework"** by St. Xavier's College (Autonomous), Palayamkottai on 28.06.2020

10. Five days Career Couse on **"Data Science Fundamental"** by Dept of Information Technology, St. Joseph's College of Engineering, 27.07.2020 – 31.07.2020

11. 10 day national level online multi disciplinary short term course on **"MOOCs, Creation of E-Content Development and OERs"** IQAC, Governments First Grade College, KR Puram, Bengalore from 5.07.2020 – 14.07.2020

12. International Webinar **on Web development in Python using Pycharm** Department of Computer Science & Engineering, St. Anne's College of Engineering and Technology on 2nd June 2020

13. International Webinar on **"VFX techniques in Video Editing",** Department of Computer Science & Engineering, St. Anne's College of Engineering and Technology on 3rd, June 2020

14. International Webinar on **"Approaches On Online Teaching And Its Assessment Methods",** Patrician College of Arts and Science, Chennai, Tamil Nadu on 4th July 2020.

15. **"Designing e-Content for English Language and Literature**", Arts, Commerce and Science College, Lanja, Ratnagiri 29 June, 2020

16. Online Business quiz, PET Engineering College, Valliyur, 1st July 2020

17. International Webinar on **Cloud Security** by IQAC & School of Computing Science, Shasun Jain College for Women, Chennai on 25th May, 2020

18. International Faculty Development Programme **on Develop the ability to write research proposal** AMIT, Bengaluru on 24th April, 2020

19. Faculty Development Programme on **R**, organized by Department of Computer Science, Kaypeeyes College of Arts and Science, Kotagiri, The Nilgiris, May, 2020

20. Faculty Development Programme on **Python 3.4.3 Training** organized by Loyola College of Arts and Science, Mettala, May 2020

21. Faculty Development Programme on **Machine Learning for Beginners** organized by Department of ECE, Sphoorthy Engineering College, Hyderabad, May 2020

22. Webinar on **Use of Elsevier Tools in Research Workflow** organized by Department of Commerce, University of Madras, Chennai,, May 2020

23. International Webinar on **Futuristic Information and Communication Technologies** by CSI Jaipur Chapter in association with Innovation Society, India, May 2020

24. Webinar on **Machine learning Algorithms, Applications and Trends** organized by IQAC and School of Computational Science, CSI Student Chapter. SSS Shasun Jain College, Chennai-17

25. Two day International Workshop on **"Machine Learning Techniques"** organized by the PG department of Computer Science, Mother Teresa Women's University, Madurai Centre from 3.12.2019 – 4.12.2019

26. Three day State level workshop on **"Android UI development"** organized by the PG department of Computer Science from 28.11.2019 – 30.11.2019

27. One day State Level Workshop on the topic of "**Art of Programming**" by PG department of Computer Science, JAC on 14th August, 2019

28. 3rd International Conference on **Cloud and Big Data Computing** (ICCBDC 2019), St Anne's College in University of Oxford, Oxford, United Kingdom, August 28-30, 2019.

29. International Workshop on **the Role of Computer Technology in Tamil Language Development** by Departments of Tamil, Computer Science & Commerce with Computer Applications on 5th March, 2019

30. National Conference on **Internet of Things**, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam, 22nd February, 2019.

31. National Workshop on **Python Programming** by the PG Department of Computer Science on 3rd & 4th December, 2018

32. International Conference on **Internet of Things**, Kristu Jayanti College (Autonomous), Bangalure, 5th December, 2018.

33. 3rd International Conference on **Internet of Things and Connected Technologies** (ICIoTCT), 2018, Malaviya National Institute of Technology (MNIT), Jaipur, March, 2018

34. International Conference **on Intelligent Computing and Control Systems** - ICCS 2018 – IEEE, Vaigai College of Engineering and Technology, Madurai, 14-15th June 2018.

35. International Conference on **Internet of Things and Connected Technologies** (ICIoTCT), 2018, Malaviya National Institute of Technology (MNIT), Jaipur

36. Two day workshop on "**Python Programming for Industry Strategies**", PSG College of Technology, Coimbatore, 4-5, November, 2017.

37. Two days national level workshop on **"Intensive Research Proposal Writing",** Saveetha School of Engineering, Saveetha University, Chennai, 27-28th October, 2017.

38. National level advanced workshop on **"Effective Strategies in Research Project Proposal Writing and Linking Funding Agencies",** organized by Loyola Institute of Frontier Energy (LIFE), Chennai, 23-24th October 2017**.**

39. Endowment Workshop on "**Current Trends in Computer Science**", St. Joseph's College (Autonomous), Trichy, 31August – 1st September, 2017.

40. Two day Faculty Development Programme on "**Predictive Analytics**" organized by Joseph Institute of Management (JIM), Trichy, on 22 – 23, September, 2017.

41. National Workshop on "**Cryptology**" organized by National Institute of Technology on 28-30th August, 2017.

42. Faculty Development Programme on "**Machine Intelligence & Soft Computing**", Department of Computer Science and Engineering, AU College of Engineering (Autonomous), Andhra University, Visakhapatnam, 10-16, July, 2017

43. Faculty Development Programme on "**Data Science and Big Data Analytics**", Department of Computer Science and Engineering, Sri K. Ramakrishnan College of Technology, Tiruchirappalli, 5-9, June, 2017

44. Two days International Conference on "**Newer Engineering Concepts and Technology"** (iConnect2K17), K. Ramakrishnan College of Technology, Tiruchirappalli, March 29-30, 2017.

45. International Conference on "**Algorithms, Methodology, Models and Applications in Emerging Technologies"** – 2017 (ICAMMAET), Bharath University, Chennai, February 2017.

46. International Conference on **WCCCT 2016 (2nd World Congress on Computing and Communication Technology)**, Department of Computer Science & IT, St. Joseph's College (Autonomous), Trichirapalli 2-4th Februray 2017.

47. Two day International Conference on "**IoT, Data Science and Security",** organized by Department of Information Technology, PSG College of Technology on 06 - 07 January 2017.

48. Pre-Conference Workshops on **"Design and Implementation of IoT System",** organized by Department of Information Technology, PSG College of Technology on 05 - 07 January 2017.

49. Two day National Seminar on "**Smart Healthcare Monitoring system using IoT**" organized by Department of ECE, at K.S.Rangasamy College of Technology, Tiruchegode on 22 – 23, September, 2016.

50. Fifth National Conference on "**Intelligent Computing**" (FNCIC 2016), by KS Rangasamy College of Arts and Science (Autonomous), Tiruchengode, 16-17, September, 2016.

51. TEQIP II sponsored Research Workshop on "**Data Analytics using R**" organized by PSG College, Coimbatore, September 10 – 11, 2016.

52. Two day Workshop on "**Research Methodology and Thesis Writing**" organized by Dhananalakshmi College of Engineering, Chennai, 30 – 31, August 2016.

53. International Conference on "**Internet of Things**", conducted by Department of Computer Science and Engineering, APS College of Engineering held in 18-19, August 2016.

54. IEEE Workshop on "**IoT Application Development**" by Amrita School of Engineering, Bengaluru, on 5-7, August, 2016.

55. Two day Faculty Development Programme on "**Business Analytics**" organized by Joseph Institute of Management (JIM), Trichy, on 22 – 23, July, 2016.

56. DietY, MCIT sponsored Faculty Development Programme on "**Security and Privacy**", organized by NIT, Warangal, 28th March – 6th April, 2016.

57. UGC Sponsored National Seminar on "**Emerging Trends in ICT Enabled Teaching Learning Process"**, Pavanatma College, Murockassery, Iduki, Kerala. 11-12, February, 2016.

58. Two Days National Level Faculty development programme on "**Cloud Computing and Big Data Analytics**", Department of Computer Applications, Bishop Heber College Tiruchirappalli, 23 - 24 November 2015.

59. National Workshop on "**Big Data Analytics: Tools and Techniques**", Organized by Department of Computer Applications and Department of Computer Sciences & Engineering, National Institute of Technology (NIT), Tiruchirappalli, from 8-12, June 2015.

60. National level workshop on "**Hands-on Experience on SPSS Package**", organized by Xavier Board of Higher Education in collaboration with Christ University, Bangalore, from 7 -9, May, 2014.

61. National level workshop on "**Capacity building Workshop for College Teachers**", organized by Xavier Board of Higher Education, Western Region at Pilar DeeptiSadan, Goa on 21-22, March 2014.

62. International Conference on "**Bounds of Ethics in a Globalized World - BoE2014**", at Christ University, Bangalore, on 6 – 7, January, 2014.

Personal Details		
Name	:	R. Shantha Mary Joshitta
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