

Rev. Dr. S. SANTIAGO SJ

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Objective:

To contribute my Knowledge and Experience towards the growth of the Society.

Personal skills:

Excellent oral and written communication in English and Tamil, Comprehensive problem solving abilities in Computer hardware and software, Willingness to learn, Ability to work with team, Financial Administrator and Administration Capabilities.

Educational Qualifications:

Year of Study	Course	Institution	Marks Secured
1999 - 2001	B.Sc Electronics	St. Joseph's College, Trichy	79.68%
2012 – 2014	M.Sc Computer Science	St. Joseph's College, Trichy	83.51%
2015-2019	Ph.D.	Bharathidasan University	Commended

Area of Specialization : Internet of Things, AI, ML & Data Science

Research Progress:

Total Number of Papers Published in an International Journal	: 10
Papers Presented International Conferences (one Abroad)	: 08
Best Product Award Received at Alagappa University	: 01
Best Paper Award Received at IJCSEITR Journal	: 01
Number of Patent filed (202041020094)	: 01
Served as a Resource Person for various topics	: 12
Number of Conferences / Workshops attended	: 32
Presided over seminar/workshop/Endowment lectures at College Level	: 25

Received Tamilnadu Merit Fellowships for Ph.D. Programme

✓ Qualified in SET

: SET 2017

Administrative Experience:

Designation	Institution	Year
Director	Clive Hostel, St. Joseph`s College	2012 - 2014
Treasurer	Clive House, St. Joseph`s College	2015 - 2016
Asst. Director	New Hostel, St. Joseph`s College	2016 - 2017
Director	Bellarmino Hostel, St. Joseph`s College	2018 - 2020
Coordinator	JCICT and ERP, St. Joseph`s College	2018 - 2020
Coordinator	Jesuit Education Support, SJC Institutions	2018 - 2020
Vice-Principal – S2	St. Joseph`s College	2019 - 2020
Coordinator	ICT Academy, St. Joseph`s College	2019 - 2020
Director	Newman Association, St. Joseph`s	2019 - 2020
Add. Chief Superintendent of Examinations	St. Joseph`s College	2019 - 2020

Academic Experience:

- ✚ Convener of a committee to start new courses for the academic year 2020-2021.
- ✚ Convener of organizing a national seminar at the department of Information Technology, St. Joseph`s College, Trichy on 13th February 2020.
- ✚ Coordinator for the program called Cloud Computing with soft skills in association with ICT Academy at St. Joseph`s College, Trichy.
- ✚ Coordinator for the program called National Communication Skills Challenge 2019 in association with ICT Academy at St. Joseph`s College, Trichy.

Awards / Rewards:

- ✓ Best Product Award Received at Alagappa University (Online Exam) : 01
- ✓ Best Paper Award Received at IJCSEITR Journal - ISSN:2249-6831 : 01
- ✓ Number of Patent filed (App.No: 202041020094) : 01

Member of different Bodies / Committee's:

- ✚ Member of Purchase Committee.
- ✚ Members of Tobacco Free Institution Monitoring Committee.

Papers Published and Communicated in International Journals: (10)

1. A. Jenifer Jothi Mary, **S. Santiago** and L. Arockiam, "A Methodological Framework to Identify the Students' Opinion Using Aspect Based Sentiment Analysis", International Journal of Engineering Research & Technology (IJERT), Vol. 5, Issue 2, February 2016, ISSN:2278-0181 , pp. 642-645 (**IF 1.76**)
2. **S. Santiago** and L. Arockiam, "Energy Efficiency in Internet of Things: An Overview", International Journal of Recent Trends in Engineering & Research (IJRTER), Vol. 2, Issue 6, June 2016, ISSN:2455-1457, pp. 475-482 (**IF 3.344**)
3. A. Dalvin Vinoth kumar, **S. Santiago** and L. Arockiam, "QRIC: QoS aware Routing for Internet of Things in College Management system", International Journal of Engineering Research & Technology (IJERT), Vol. 4, Issue 29, August 2016, ISSN:2278-0181, pp.37-39 (**IF 1.76**)
4. **S. Santiago** and L. Arockiam, "A Novel Fuzzy Based Energy Efficient Routing for Internet of Things", **IEEE Digital Xplore**, 2017.
5. **Santiago S** and Arockiam L, "E²TBR: Energy Efficient Transmission Based Routing for IoT Networks", International Journal of Computer Science Engineering and Information Technology Research (IJCEITR), Vol. 7, Issue 4, August 2017, ISSN:2249-6831, pp. 93-100 (**IF 8.87**) (**Best Paper Award**) (**UGC Listed**)
6. **S. Santiago** and L. Arockiam, "ELT-EAPR : Expected Life Time of Energy Aware Parent Routing for IoT Networks", International Journal of Pure and Applied Mathematics, Vol. 118, No. 8, 2018, ISSN:1311-8080, pp. 243-249 (**Scopus Indexed and UGC Listed**)
7. A. Dalvin Vinoth Kumar, **S. Santiago** and L. Arockiam, "A Novel Technique to Enhance QoS using Location based Trust validation in 6LoWPAN for IoT Networks", International Journal of Computer Sciences and Engineering (ISSN: 2347-2693), Vol.6, 2018, pp. 1-5. (**UGC Listed**)

8. **S. Santiago**, A. Dalvin Vinoth kumar and L. Arockiam, “EALBA: Energy Aware Load Balancing Algorithm for IoT Networks”, ICMSR, ACM Series 2018. (**Ei Compendex and Scopus**)
9. **S. Santiago** and L. Arockiam, “Energy Aware Routing Framework for Internet of Things”, International Journal of Computer Sciences and Engineering, IJSE, Vol.7, May 2019. (**UGC Listed**).
10. **S. Santiago** and L. Arockiam, “Energy Aware Routing Applications for Internet of Things”, Lecture Notes on Data Engineering and Communications Technologies, Springer, Vol.31, 2020. (**Scopus Indexed**).

Papers Published at National and International Conferences Proceedings: (08)

- 1 **S. Santiago** and L. Arockiam, “A Methodology for an Energy Efficient Machine to Machine (M2M) Communications”, Proceedings of National Seminar on Emerging Trends in ICT-Enabled Teaching Learning Process, Pavanathma College, Idukki, Kerala, February 2016.
- 2 **S. Santiago**, A. Dalvin Vinoth Kumar and L. Arockiam, “QRIC:QoS aware Routing for IoT in College Management System”, Proceedings of International Conference on Internet of Things, APS College of Engineering, Bangalore, August 2016, pp. 37-39.
- 3 **S. Santiago** and L. Arockiam, “E²TR²: Energy Efficient Transmission Range Routing for IoT Networks”, Proceedings of International Conference on IoT, Data Science and Security (ICIDS), PSG College of Technology, Coimbatore, January 2017, pp. 96-104.
- 4 **S. Santiago** and L. Arockiam, “A Novel Fuzzy Based Energy Efficient Routing for Internet of Things”, Proceedings of International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET), Bharath Institute of Higher Education, Chennai, February 2017, pp. 1-5.
- 5 **S. Santiago** and L. Arockiam, “ELT-EAPR: Expected Life Time of Energy Aware Parent Routing for IoT Networks”, Proceedings of International Conference on Advances in Computer Science, Engineering and Technology, Kalasalingam Academy of Research and Education, Krishnankoil, January 2018, pp. 237-241.
- 6 **S. Santiago**, A. Dalvin Vinoth Kumar and L. Arockiam, “A Novel Technique to Enhance QoS Using Location based Trust Validation in 6LoWPAN for IoT Networks”, Proceedings

of International Conference on Transforming Technology, Srimad Andavan Arts and Science College, Tiruchirappalli, January 2018, pp.72

- 7 **S. Santiago**, A. Dalvin Vinoth Kumar and L. Arockiam, “EALBA: Energy Aware Load Balancing Algorithm for IoT Networks”, Proceedings of the International Conference on Mechatronic Systems and Robots, Singapore, May 2018, pp. 146-150.
- 8 **S. Santiago** and L. Arockiam, “Energy Aware Routing Applications for Internet of Things”, Proceeding of the International Conference on Computer Networks, Big Data and IoT, Madurai, December 2018.

The Conferences / Workshops / Seminars attended: (32)

1. Two Days International Workshop on “Computing and Communication Technologies”, held at St. Joseph`s College (Autonomous), Tiruchirappalli on 27th February and 1st March 2014.
2. Two Days International Workshop on “Network Security & Challenges”, Organized by IEEE Madras Section at MIT Campus, Anna University on 17th & 18th August 2015.
3. One Day National Conference on “Integration of Technology and Organizational Strategies”, Organized by Fatima College, MaryLand, Madurai on 21st August 2015.
4. One Day National Workshop on “How to Write Effective Research Papers for Conferences and Journals”, Organized by Kongu Engineering College, Perundurai, Erode on 12th September 2015.
5. Two Days International Workshop on “Medical IoT”, hosted by Kristu Jayanti College, at Bangalore with IEEE Standards Association on 16th & 17 October 2015.
6. One day Endowment Seminar on “Digital Visibility of the Productivity: Institutions and Individuals” Organized by Dept of Library, St. Joseph`s College, Tiruchirappalli on 30th January 2016.
7. Two Days Faculty Development Workshop on “Business Analytics”, Organized by St. Joseph`s Institute of Management, St. Joseph`s College, Tiruchirappalli on 22nd and 23rd July 2016.
8. Two Days Workshop on “Research Methodology and Thesis Writing”, Organized by Dhanalakshmi College of Engineering, Chennai on 30th and 31st August 2016.
9. Three Days Faculty Development Programme on “Relay Networks for Next Generation Wireless Standards”, Organized by PSG College of Technology, Coimbatore on 8th to 10th September 2016.

10. Two Days International Workshop on “Computing and Communication Technologies”, held at St. Joseph`s College (Autonomous), Tiruchirappalli on 2nd to 4th February 2017.
11. Two Days National Seminar on “Application of Fuzzy Mathematics in Engineering Studies”, Organized by Department of Mathematics at Thiagaraj College of Engineering, Madurai on 9th and 10th March 2017.
12. Two days National Workshop on “IoT and its Applications using CC3200 Kit”, Conducted by Department of Electronics and Communication Engineering at Sri Ramakrishna Engineering College at Coimbatore on 14th and 15th March 2017.
13. Two Days National Workshop on “Intelligent Systems Engineering”, Organized by National Institute of Technology, Tiruchirappalli on 27th and 28th July 2017.
14. Two Days Endowment Workshop on “Current Trends in Computer Science”, held at St. Joseph`s College (Autonomous), Tiruchirappalli on 31st August and 1st September 2017.
15. Two Days Faculty Development Programme on “Predictive analytics”, organized by St. Joseph`s Institute of Management, St. Joseph`s College, Tiruchirappalli on 22nd and 23rd September 2017.
16. Five Days National level training program on “Thesis Writing: From Copper Strip to Gold Bar”, Organized by Centre for Technical and Academic Writing, Bharathidasan University, Tiruchirappalli on 30th October to 03rd November 2017.
17. One week Short course on “Introduction to Algorithms”, Organized by National Institute of Technology, Tiruchirappalli on 7th to 11th November 2017.
18. One day National Colloquium on “Draft National Education Policy 2019” organized by St. Joseph`s College, Tiruchirappalli on 25th July 2019.
19. One day Faculty Empowerment Programme for Junior Faculty Members conducted on 24th August 2019 at Cluny Centre, Ariyamangalam by St. Joseph`s College, Tiruchirappalli.
20. Five Days National Workshop on “Intellectual Property Right, Technology Development and Startup -2019” Organized by National Institute of Technology, Tiruchirappalli from 9th to 13 December 2019.
21. Two Days workshop on “Machine Learning Using Python”, organized by St. Joseph`s Institute of Management, St. Joseph`s College, Tiruchirappalli in association with Analytics Society of India on 6th and 7th March 2020.
22. One day National Seminar on “The Future with Artificial Intelligence”, held at St. Joseph`s College, Tiruchirappalli on 13th February 2020.
23. Participated in Bridge 2020 organized by ICT Academy held on 26th February 2020 at IITM Research Park, Chennai.

24. Participated in a webinar on the theme Leading in a VUCA World - Day 1 held on 20th April 2020 by ICT Academy.
25. Participated in a webinar on the theme Leading in a VUCA World - Day 2 held on 21st April 2020 by ICT Academy.
26. Participated in a webinar on the theme Leading in a VUCA World - Day 3 held on 22nd April 2020 by ICT Academy.
27. Participated in a webinar on the theme Leading in a VUCA World - Day 5 held on 24rd April 2020 by ICT Academy.
28. Participated in two days webinar on Recent Trends in Computer Science held on 24th and 25th April 2020 at St. Joseph`s College, Trichy.
29. Participated in a webinar on Employability Skills in Curriculum Design held on 26th April 2020 at Audisankara College of Engineering & Technology.
30. Participated in a webinar on University Industry Linkage different Mechanisms held on 02nd May 2020 at Audisankara Group of Institutions.
31. Participated in a webinar on The Power of A Teacher held on 04th May 2020 by ICT Academy.
32. Participated in a webinar on Principle and Applications of Electronic Spectroscopy held on 07th May 2020 by Annai College of Arts and Science.

Acted As Resource Person or Lecture Delivered:

(12)

1. Served as a Resource Person for the seminar on Tools for IoT at St. Joseph`s College of Arts and Science, Cuddalore held on 17th September 2016.
2. Served as a Resource Person in two days state level workshop on “Data Analytics Using R”, at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni, on 20th and 21st September 2016.
3. Served as a Resource Person and delivered a lecture on “Issues and Challenges in ICT for Education”, at St. Anne`s B.Ed College for Women, Periyakulam, Theni, on 22nd September 2016.
4. Served as a Resource Person for the seminar on “Emerging Trends in Information Technology”, at Don Bosco College (Arts and Science), Karaikal, on 21st October 2016.
5. Served as a Resource Person for one day seminar on Big Data Analytics at Adi Shankara Institute of Engineering and Technology on 12th August 2017.

6. Served as a Resource Person for one day seminar on IoT Technologies and Tools at Paavai Engineering College, Namakkal, on 10th October 2017.
7. Served as a Resource Person for one day workshop on The Internet of Things and its Application held at St. Joseph`s College, Trichy, on 15th December 2017.
8. Served as a Resource Person for one day seminar on Internet of Things at Ganesar College of Arts and Science on 28th December 2017.
9. Served as a Resource Person for one day workshop on The Internet of Things Application Development at Paavai Engineering College, Namakkal, on 29th January 2018.
10. Served as a Resource Person for one day seminar on Research Ethics held at St. Joseph`s College, Trichy, on 15th October 2018.
11. Served as a Resource Person for the topic Internet of Things at Servite Arts and Science College for Women, Thogamalai, on 26th February 2019.
12. Served as a Resource Person for one day workshop on Web Development and Web Publishing at Mar Gregorious College of Arts and Science, Chennai, on 13th September 2019.