

FACULTY PROFILE



Name : P.K.SANTHI

Designation : ASSISTANT PROFESSOR

Department : MATHEMATICS

Date of Birth : 05.05.1978

Date of Appointment:03.10.2007

Academic:

S.No	Degree	University/Institution	Year of completion
1.	B.Sc.,	KandaswamyKandar's College, P.Velur, Namakkal.	Apr.1998
2.	M.sc	KandaswamyKandar's College, P.Velur,Namakkal.	May-2000
3.	M.Phil.,	Madurai Kamaraj University, Madurai	May-2002
4.	P.G.D.C.A	Pondicherry University, Pondicherry.	Apr-2001
5.	SET	Mother Teresa University, Kodaikkanal.	April -2017
6.	Ph.D	Madurai KamarajUniversity,Madurai.	Awaiting Viva Voice Exam.

Teaching Experience : UG : 17Yrs , PG : 17Yrs

Area of Specialization : Stochastic Process

Membership in Academic Bodies :

- Member of the UGC Capacity Building of Women Managers in Higher Education.
- Member of the Council of Psychotherapy & Counselling.

- Member of Glacier Journal of Scientific Research Editorial Board, Glacier Journal of Scientific Research, Ahmedabad on 5th September,2019.

Details of Orientation and Refresher Course Attended:

Year	Institution and Place	Duration	Nature of the Course
2015	UGC-Human Resource Development Centre(HRDC), Bharathiar University, Coimbatore.	06.05.2015- 02.06.2015	Orientation Programme
2016	UGC-Human Resource Development Centre(HRDC), Pondicherry University, Pondicherry.	07.09.2016- 27.09.2016	Refresher Course in Mathematics
2018	UGC-Human Resource Development Centre(HRDC),Madurai Kamaraj University, Madurai.	09.03.2018-29.03.2018	Refresher Course in Environmental Studies(MD)
2019	Anugraha , Capuchin Institute of Counselling, Psychotherapy and Research,Dindigul.	29.04.2019-25.05.2019	Training Programme in Counselling and Psychotherapy

Professional Affiliation:

- NSS Programme Officer (2007-2009)
- Member of Fine Arts Club(2010-20110)
- Member of Gandhian thought studies (2010-2013)
- Member of Entrepreneur Cell(2013-2015)
- Member of Extension(JACEP) Service(2011-2013)

- Member of Placement Cell(2012-2013)
- Member of Magazine Committee(2009-2010,2018-2019)
- Member of Discipline Committee(2006-2010,2013)
- Member of Physical Education (2011-2013)
- NCC Staff In charge (2013-2015)
- Coordinator of Alumni Association (2013-2015,2018-till date)
- Member of Internal Quality Assurance Cell(IQAC)(2015-till date)
- Coordinator of Karate Club(2015-2018)

Research Publications :

International Publications: 6

- Published a paper on “ **Role of M-Learning in Higher Education**” in New Frontiers in Education -International Journal of Education and Research,pg.No: 21-24, ISSN :0972-1231,Vol.49,No.1,January-March,2016.
- Published a Paper entitled “**Perishable Inventory Control in Supply Chain : A Semi-MDP Model**”inthe International Journal of Computational and Applied Mathematics, Volume 12,Number 1 (2017), ISSN No. :1819-4966.
- Published a paperon the topic “**Empowering Women through self-help groups** ”in the International Journal of New Frontiers in Education(April-June 2017) Vol.50,No2 ISSN:0972-123.
- Published a paper on “**Optimal Inventory Control with Partial Backlogging in Supply Chain: MDP Approach** ” in the International Journal of Research in Information Technology, Vol.2, Issue2, Feb 2018, Pg 30-31, ISSN(online):2001-5569.
- Published a paperon “**Optimal Inventory Control For Perishable Inventory with partial Backlogging in a Supply Chain: Markov Decision Process** ”in the International Journal of Fuzzy Mathematical Archive , Vol.15, No.2,2018, 30th April 2018, PP No : 167-176,ISSN: 2320-3242(P),2320-3250(online).

- Published a paper on “**MDP in Supply Chain: Optimal Inventory Control System**” in the International Journal of Engineering Science Invention (IJESI), ISSN(online):2319-6734, ISSN (print) : 2319-6726, Vol.7, Issue 8, Version II, 22nd August 2018, PP No : 55-62, Impact Factor:5.962, UGC(Approved).

National Publications: 3

- Published a paper on “**Role of Mobile Technology in Higher Education**” in the proceedings of National Conference on “**Academic Audit and Quality Enhancement in HEIs**” pg.No: 68-73 ISBN : 978-93-85977-02-2, March 2016.
- Published a Paper entitled on “**Challenges of Applying Markov Decision Process to Wireless Sensor Networks**”, JAC Journal of Science, Humanities and Management at National level , Vol.3, No.2-June 2016, ISSN No.2347-9868.
- Published a paper on “**MDP in supply chain: Inventory system with service facility at retail node with impatient customer**” in Journal of Management Science and Humanities, Vol.4(2), 132-144 (2017), December 2017, ISSN No:2395 -0625.

No. Research Papers Presented: 14

S. No	Year	Title of the Paper	Name of the seminar	Place and Date	Level
1.	2008	m-Structures in Bitopological spaces	Recent Trends in Mathematical Modelling	JayarajAnnapackiam College for women (Autonomous), Periyakulam on 17 th & 18 th March 2008	National
2.	2015	The Protection of Against Domestic Violence in India	Sustainable Development And the Role of Women in Nation Building	JayarajAnnapackiam College for women (Autonomous), Periyakulam on 11 th & 12 th Feb. 2015	National
3.	2015	Markov Property of Geometric	Emerging Trends in Mathematics	Fatima College (Autonomous), Madurai on 22 nd	National

		Brownian Motion to Model the stock Price		December 2015	
4.	2016	Role of Mobile Technology in Higher Education	Academic Audit and Quality Enhancement in HEIs	Arul Anandar College, Karumathur on 22 nd & 23 rd March 2016	National
5.	2016	Mobile Learning – An Effective Tool for ICT Enabled Teaching	Quality Assurance and Quality Sustenance in Higher Educational Institutions: Challenges and Solutions	JayarajAnnapackiam College for Women, (Autonomous), Periyakulam on 29 th & 30 th September, 2016	National
6.	2016	An overview of Mobile Marketing	New Trends in Marketing in the Digital Era	JayarajAnnapackiam College for Women, (Autonomous), Periyakulam on 1 st December, 2016	National
7.	2016	Homomorphism in Fuzzy L - ideals	Topological Graph Theory	JayarajAnnapackiam College for Women, (Autonomous), Periyakulam on 19 th December, 2016.	National
8.	2017	Women Empowerment through Self-help groups	Strategies for Women Empowerment	V.V. Vanniaperumal College for Women (Autonomous), Virudhunagar on 19 th and 20 th January, 2017	National
9.	2017	MDP in Supply Chain Inventory Control System	Mathematical Modeling and Computational Methods in Science and Engineering	Alagappa University, Karaikudi, from 20 th to 22 nd February, 2017	International

			(ICMMCMSE- 2017)		
11.	2017	Perishable Inventory Control System in Supply Chain: A semi-MDP Model	Mathematical Modelling(NCOMM-2017)	Cardamom Planter's Association College, Bodinayakanur on March30 th -31 st , 2017	National
12.	2017	MDP in supply chain Inventory system with service facility at retail node with impatient customers	Recent Advancements in Pure and Applied Mathematics	NadarSaraswathi College of Arts and Science, Vadaputhupatti from 26 th to 27 th July 2017	National
13.	2017	Inventory Control in a Service Facility System in Supply Chain: Semi Markov Decision Process	Recent Trends in Applied Mathematics	JayarajAnnapackiam College for Women(Autonomous) , Periyakulam on 13 th December, 2017	National
14.	2018	Optimal Control of Supply Chain with Service Facility having Impatient Customers	International Conference on "Emerging Trends in Mathematical Sciences and Technology" (ICETMST 2018)	JayarajAnnapackiam College For women(Autonomous), Periyakulam, on 20 th and 21 st , December 2018	International

Seminars/Conferences/ Work shopsParticipated:50

1. Participated the National Conference on "**Recent Trends in Understanding and Applying the Theory and Practice of Values**" at JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 11th -12th January 2007.

2. Participated the National Seminar on “ **Participative And Responsive Organizational Dynamics For Quality Improvement in Autonomous Colleges**” at JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 19th -20th December 2007.
3. Participated the National Seminar on “ **Recent Trends in Mathematical Modelling** ”organised by the Department of Mathematics, JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 17th -18th March 2008.
4. Participated a one day State level seminar on “ **Christian Values for Wholesome Life**” at JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 29th August 2008.
5. Participated the National Seminar on “ **Recent Trends in Mathematical Modelling** “organised by Department of Mathematics, JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 17th-18th April 2008.
6. Participatedthe National Seminar on “ **Quality And Relevance in Higher Education- New Challenges** “, JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 2nd-3rd March 2009.
7. Participated the National Conference on “ **Value Education** “organised by National Biblical Catechetical & Liturgical Centre(NBCLC), Bangalore from 4th -9th May 2010.
8. Participatedthe Workshop on “ **Writing and Transforming Course Materials into Self Learning Material(SLM)** “at Mother Teresa Women’s University, Kodaikanal from 4th – 5th September 2010.
9. Participated the Workshop on “ **Higher Education in a Changing Environment** “ at JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 26th-27th November 2010.
10. Participatedthe National Seminar on “ **Inculcation of Values for Holistic Life Amidst Technological Scenario** “JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 6th- 7th December 2010.
11. Participated the National Seminar on “ **Human Rights** “ at JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 9th-10th December 2010.
12. Participated the State Level seminar on “**Recent Trends in Applied Mathematics**” at JayarajAnnapackiam College For Women, Periyakulam on 11th February 2011.
13. Participated the National Level seminar on “**Human Rights**“ at JayarajAnnapackiam College For Women, Periyakulam on 20th-21st December 2011
14. Participated the Two days National Level workshop on“**Young Lectures of Christian colleges in India Towards developing Foundational Leadership**” at Arul AnandarCollege,Karumathur on 1st – 2nd June 2012
15. Participated the State Level on”**Recent Trends in Advanced Mathematics** “JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 7th December 2012.

16. Participated the National seminar on “ **Applicable Mathematics**” at JayarajAnnapackiam College For Women, Periyakulam on 21st December 2012.
17. Participated the Five days Residential National Level workshop on “ **Capacity Building of Women Managers in Higher Education, Sensitivity/Awareness/Motivation**” at Madurai Kamaraj University on 18th-22nd February 2013.
18. Participated the State Level Workshop on “ **Counsellor Training Course**” organised by Anugraha Institute of Counselling at JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 5th-10th June 2013.
19. Participated the International Conference on “ **Mathematics in Information Technology**” organised by PG Department of Mathematics & Computer Science, JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 21st August 2013.
20. Participated the National Conference on “ **Theoretical Advances in Differential Equations and Applications(TADEA-2013)**” at Madurai Kamaraj University, Madurai on August 23rd 2013.
21. Participated the National Level “ **Faculty Training Programme in Entrepreneurship**” organised by Department of Economics, Mother Teresa Women’s University, Kodaikanal from 3rd – 7th September 2013.
22. Participated the State Workshop on “ **Reforms in Curriculum Development and Examination System** “organised by Curriculum Development Cell, JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 13th November 2013.
23. Participated the State Level Seminar on “ **Reading And Writing Skills for Scholarly Publication** “organised by the Central Library, JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 24th February 2014.
24. Participated the National Conference on “ **Advances in Mathematics and its Applications**“organised by Department of Mathematics, NadarSaraswathi College of Arts And Science, Theni on 3rd September 2014.
25. Participated the National Workshop on “ **E-Content Development For Effective Teaching And Learning**“organised by Department of Physics & Internal Quality Assurance Cell, JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 11th- 13th September 2014.
26. Participated the International Symposium on “ **Emerging Trends in DNA And Membrane Computing**“organised by PG & Research Department of Mathematics, JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 17th September 2014.
27. Participated the National Conference on “ **Mathematical Modelling**“organised by PG & Research Department of Mathematics, Cardamom Planter’s Association College, Bodinayakanur, Theni from 25th- 26th September 2014.
28. Attended the State Level Workshop “ **Matlab**“organised by the Department of Mathematics, Fatima College(Autonomous), Madurai on 21st January 2015.
29. Participated the National Seminar on “ **Sustainable Development And the Role of Women in Nation Building**” organised by the PG Dept of History & Research Centre, JayarajAnnapackiam College for women (Autonomous), Periyakulam on 11th & 12th February 2015.

30. Participated the State Level Interdisciplinary Workshop on “ **Literature in Life & Life in Literature- An Exploration**“ organised by English Literary Association & Tamil Literary Association, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 6th March 2015.
31. Participated the “**Leadership Training Programme for the Faculty Members**” of Jayaraj Annapackiam College for women (Autonomous), Periyakulam organised by the Centre for Education Beyond Curriculum (CEDBEC), Christ University, Bengaluru from 29th -30th June 2015.
32. Participated the National Workshop on “ **Research Practices in Mathematics And Computer Science** “organised by Research Centre of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam from 3rd -4th August 2015.
33. Participated the Workshop on “**Techniques of Teaching Mathematics for Visually Impaired** “organised by Research Centre of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 4th August 2015.
34. Participated the National Seminar on “**Emerging Trends in Mathematics** “ organised by the Department of Mathematics, Fatima College (Autonomous), Madurai on 22nd December 2015.
35. Participated the National Seminar on “ **Ranking the Research Publications : Citation Analysis, Citation Databases And Anti-Plagiarism**”organised by the Central Library, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam from 27th -28th January 2016.
36. Participated the Workshop on “**Research Methodology with R Studio**” at Madurai School of Management, Madurai on 12th & 13th March 2016.
37. Participated the National Conference on “**Academic Audit and Quality Enhancement in HEIs**”organised by Internal Quality Assurance Cell (IQAC), Arul Anandar College, Karumathur on 22nd & 23rd March 2016.
38. Participated the National level conference on **Quality Assurance and Quality Sustenance in Higher Educational Institutions: Challenges and Solutions** at Jayaraj Annapackiam College for Women, Periyakulam on 29th & 30th September, 2016.
39. Participated the National seminar on **New Trends in Marketing in the Digital Era** at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 1st December, 2016.
40. Participated the National seminar on **Topological Graph Theory** at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 19th December, 2016
41. Participated the International workshop on **Research Methodology for Peace at Institute of Gandhian Studies and Research**, Gandhi Museum, Madurai on 14th February, 2017.
42. Participated the National conference on **Mathematical Modelling (NCOMM-2017)** at Cardamom Planter’s Association College, Bodinayakanur on March 30th -31st 2017.
43. Participated the two days National Conference on **Recent Advancements in Pure and Applied Mathematics** organised by Department of Mathematics at Nadar Saraswathi College of Arts and Science, Vadaputhupatti, Theni, from 26th to 27th July 2017.
44. Participated the One Day workshop on “**Stress and Coping Skills in the context of Higher Education**” held on 7th November 2017, organized by the Centre for Educational Research, Madurai Kamaraj University, Madurai.

45. Participated the National Seminar on Recent Trends in Applied Mathematics organized by Research Centre and PG Department of Mathematics at JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 13th December, 2017.
46. Participated the **“Workshop on Women in Science and Research(Speaker Series Program 2018), in collaboration with United States India Educational Foundation,(USIEF),** Chennai held on 19th-20th February, 2018 at JayarajAnnapackiam college forwomen(Autonomous), Periyakulam.
47. Participated **‘The Big Hope 2-Youth Leaders Congress’** at Liverpool Hope University, Liverpool, UK. from 13th - 20th June,2018.
48. Participated the International Conference on **“Emerging Trends in Mathematical Sciences and Technology”** (ICETMST 2018) organized by Research Centre & PG Department of Mathematics, JayarajAnnapackiam College For Women(Autonomous), Periyakulam, on 20th and 21st, December 2018.
49. Participated in two days Workshop on **“FUZZY Set Theory And Its Applications”** was organized by Research Centre & PG Department of Mathematics at Jayaraj Annapackiam College For Women(Autonomous), Periyakulam, on 27th& 28th, February 2019.
50. Participated in the 4thAnnual Women’s Meet-AWM 2019 , organized by the Centre for Advanced and design of Venus International Foundation at Radha Regent, Chennai on March 2nd, 2019.
51. Attended the residence-cum-Correspondence Training in Counselling and Psychotherapy consisting of Didacticism, Practice and Field-work from 29th April to 25th May,2019.

ResourcePerson :

- Served as Resource Person for 15 days Free Summer Course for Children who are working in Brick Changers from 28th April 2014 to 16th May 2014 at JayarajAnnapackiam College for Women, Periyakulam.
- Delivered a Guest Lecture on “Value Education” in the Faculty Development Programme for Junior Lectures held at JayarajAnnapackiam College for Women, Periyakulam on 21st June 2012.
- **Served** as Resource person and delivered a lecture on **“Role and responsibility of a teacher”** to the participants of the 119th& 120th Orientation Programme on 30th May,2018 organized by the UGC-Human Resource Development Centre, Bharathiar University, Coimbatore.

Books Published: ----- Nil

Awards :

- **“Outstanding Woman in Science for the contribution and achievement in the field of Mathematics”** awarded by Centre for Advanced and design of Venus International Foundation at

Radha Regent, Chennai on March 2nd , 2019. (Venus International Foundation, VIWA 2019, Estd.U/s 3 of the Indian Trusts Act 1882,ISO 9001:2008 certified)

- “**Adarsha Vidya Saraswati Rashtriya Puraskar**” awarded by the GLOBAL MANAGEMENT COUNCIL on 5th September 2019.

Contact Details:

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