

PROFILE



Name : Dr. P.K.SANTHI
Designation : HEAD & ASSOCIATE
PROFESSOR
Department : MATHEMATICS
Date of Birth : 05.05.1978
Date of Appointment : 03.10.2007
Date of Retirement : 31.05.2038

Academic Details :

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.	October-2020
7.	M.sc.,(Psychology)	Madurai KamarajUniversity,Madurai.	April-2020

Teaching Experience : UG : **24** Years , PG : **24** Years

Area of Specialization : Stochastic Process

Guideship Details : Approved guide for Mother Teresa Women's University, Kodaikanal from 27th March 2025.

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 the Editorial Board of Glacier Journal of Scientific Research, Ahmedabad.(ISSN: 2349-8498, Impact Factor : 2.7614.
- Reviewer for the TWMS Journal of Applied and Engineering Mathematics.
- Editor of the book titled on “**Analysis and Applied Mathematical Sciences**”, Prime International Publication,ISBN:978-93-6010-076-6, 2024.

Patent Title: Scalable Multi Sensor Networking Protocol (SMNP) To Interface upcoming Internet of Everything (IOE) Devices, **Patent ID**-202141035033, **Patent Type**- Indian. 13th August 2021.

Patent Title: Artificial Intelligence based Smart Computing On-Board ECU for Predicting Vehicle Parts Reliability and Failure **Patent ID**-2021107427, **Patent Type**- Australian Patent, 8th December 2021.

. Details of Seminar / Workshop Conducted :

- Organizing Secretary of the Workshop on “**Techniques of Teaching Mathematics for Visually Impaired**” organised by Research Centre Department of Mathematics, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 4th August 2015.
- Convenor of the National Conference on “**Application Of Mathematics In Real Life**” **AMRL- 2019**) organized by Research Centre & PG Department of Mathematics at Jayaraj Annapackiam College For Women(Autonomous), Periyakulam, on 17th, December 2019.
- Organizing Secretary of the JACMAT FEST-2022 - Intercollegiate meet organized by Research Centre & PG Department of Mathematics at Jayaraj Annapackiam College For Women(Autonomous), Periyakulam, on 12th April, 2022.
- Organizing Secretary of the National Webinar on **Emerging Trends in Application of Mathematics** organized by the PG and Research Department of Mathematics in collaboration with Annai Vailankanni Arts and Science College, Thanjavur, on 27th October, 2022.
- Organizing Coordinator of the largest event World Record Bharatha Natiyam dance conducted by Cumbum Sathguru Sangeetha Natya Vidyalaya through World Records Union (America) on 7th January, 2024.

- Programme Co-ordinator of **JACFEST-O- BEATS 2022-2025** at Jayaraj Annapackiam College for Women(Autonomous), Periyakulam
- Programme Co-ordinator of **National Science Day Exhibition 2025** at Jayaraj Annapackiam College for Women(Autonomous), Periyakulam, on 28 February, 2025.
- Convenor of **Indian Knowledge System Based 10 Days National Level Short-Term Training Programme(STTP) on Vedic Mathematics: Techniques and Applications** from 4th to 13th August 2025 at Jayaraj Annapackiam College for Women(Autonomous), Periyakulam in collaboration with ACT Academy, Kerala.

Details of Orientation/ Refresher Course/Short term course / FDP Attended : 40

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

2020	Vellalar College For Women (Autonomous) in January 2020 semester offered by by the Spoken Tutorial Project, IIT , Bombay, funded by National Mission on Education through ICT, MHRD, Govt.of.India	23.04.2020-29.04.2020	Python 3.4.3 & Latex through Moocs
2020	Universal Teachers Academy, Puducherry, India.	21.04.2020 – 30.04.2020	10 Days Online Workshop for Teachers
2020	Jayaraj Annapackiam College for Women(Autonomous),Periyakulam, Theni(D.t)	27.04.2020 – 02.05.2020	National Level FDP on “Effective usage of ICT Tools for E-Content Preparation”
2020	Sri GVG Visalakshmi College for women,Utmalapet.	03.05.2020-09.05.2020	FDP on Webinar Series
2020	Bharat Institute of Science and Technology	11.05.2020- 15.05.2020	Five days online FDP on “ Evolution of Teaching Learning Process-Post Covid 19 ”
2020	Universal Teachers Academy, Puducherry	14.05.2020-18.05.2020	5 Days Online Workshop for Teachers
2020	Ramrao Adik Institute of Technology, Mumbai.	18.05.2020-22.05.2020	Short term Training Programme on MATLAB based Teaching Learning in Mathematics,Science & Engineering

2020	Teaching Learning Centre, Ramanujan College, New Delhi(MHRD- PMMMNMNTT	18.05.2020-03.06.2020	Two Weeks FDP on Managing Online Classes and Co- Creating MOOCS:2.0
2020	GHG Khalsa College of Education, Gurusar Sadhar, Punjab (India)	22.05.2020-18.06.2020	Four Week online mookit course on Cooperative Learning Pedagogy
2020	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	22.05.2020-29.05.2020	National level FDP on Outcome Based Education
2020	The Standard Fireworks Rajaratnam College for Women, Sivakasi	25.05.2020-29.05.2020	CSIR-NET Preparation Tools and Techniques
2020	Bon Secours College for Women, Thanjavur	25.05.2020-27.05.2020	3 Days online FDP on “Research Methods and Writing Skills in Mathematical Sciences”
2020	N.K.T National College of Education for Women(A),Chennai	26.05.2020-30.05.2020	Online International FDP on “Establishing Research Beyond The Horizon”
2020	C.Abdul Hakeem College(Autonomous), Melvisharam,Ranipet(D.t)	28.05.2020-30.05.2020	FDP on Online Teaching via Google LMS during Covid- 19 Pandemic
2020	The American College, Madurai	28.05.2020-30.05.2020	Online Workshop on “Data Analysis using SPSS”

2020	Loyola College(Autonomous) , Chennai	08.06.2020-13.06.2020	Online Workshop on Mathematical Analysis (MATANA 2020)
2020	Arul Anandar College,Karumathur	15.07.2020-17.07.2020	Online FDP on Appraisal of Mathematical Learning Outcomes in Cybergogy Environment
2020	Sri Ramakrishna College of Arts & science, Coimbatore	15.07.2020-21.07.2020	STTP on Implementation of Outcome Based Education to Enhance the Quality of HEIs
2020	Karunya Institute of Technology and Sciences, Coimbatore	20.07.2020-24.07.2020	FDP on Applications of Mathematics
2020	Poineer Kumaraswamy College,Nagercoil	27.07.2020-04.08.2020	Online Certificate Course on Soft Skills
2020	Arul Anandar College,Karumathur	27.07.2020-29.07.2020	STTP on MATLAB and MATHEMATICA for Scientific Research
2020	Saranathan College of Engineering, Chennai	26.07.2020-30.07.2020	FDP on Emerging Trends of Mathematics in Multidisciplinary Domain

2020	Institute of Science and Centre for learning & Sustainability, GITAM, Visshapatnam, Andhra Pradesh.	03.08.2020-08.08.2020	One Week online international Faculty Development Programme on Recent Advances in Mathematics & Statistics(IFDPRA MS-2020)
2020	Keshav Memorial Institute of Commerce and Sciences, Hyderabad & ICSSR-SRC, MHRD, New Delhi	03.08.2020-09.08.2020	Seven Day FDP on The Role of Teacher in Nation Building
2020	St. Aloysius College centre for PG studies, Bangalore	13.08.2020-14.08.2020	National Virtual FDP on Building Teachers' Competency through Sensitizing E-Resources
2020	KPR Institute of Engineering and Technology, Coimbatore	25.08.2020-28.08.2020	Four Day FDP on Applications of Mathematics in Engineering
2020	UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh.	24.09.2020-30.09.2020	Short Term Course on Value Based Education
2020	S.V.U College of Sciences, S.V. University, Tirupati	02.11.2020-11.12.2020	Six Days Virtual "Science Academies' lecture workshop on Linear Transformations, Matrices and their Applications-2020"(SALWLTMTA-2020)

2020	UGC-Human Resource Development Centre(HRDC), Bharathiar University, Coimbatore	18.11.2020 - 01.12.2020	Refresher Course in Mathematics & Statistics
2021	Human Resource Development Centre(HRDC) and Internal Quality Assurance Cell(IQAC) of Academy of Maritime Education and Training(AMET) Deemed to be University, Kanathur, Chennai, Tamilnadu.	24.05.2021-06.06.2021	Two weeks online FDP on Pedagogy and Research Methods
2023	PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur.	01.05.2023-10.05.2023	Summer Internship Programme on Mathematics and its Applications
2024	DST-CURIE-AI center of Sri Padmavati Mahila Visvavidyalam(SPMVV University), Tirupati.	18.03.2024-23.03.2024	One week national level online FDP on Outcome Based Education and Application of Generative AI in Teaching and Research
2024	Bon Secours college for Women, Thanjavur	06.05.2024-11.05.2024	FDP on AI in Learning, Teaching, Assessment and Research Practices
2024	Sacred Heart College, Tirupattur & Patrician college of Arts and Science, Chennai	18.11.2024-22.11.2024	FDP on Research in Mathematics: Present Trends and Future Prospects
2024	United College of Arts and Science, Coimbatore.	23.12.2024-27.12.2024	National Level 5 days Virtual FDP on Outcome Based Education Blended with Current Gen

			Technology
2025	Arul Anandar College, Karumathur	02.06.2025-06.06.2025	Five Day Online Faculty Development Programme on “ Innovative Pedagogical Approaches to Core Mathematics”
2025	Jayaraj Annapackiam College for Women(Autonomous), Periyakulam in collaboration with ACT Academy, Kerala	04.08.2025-13.08.2025	Indian Knowledge System Based 10 Days National Level Short- Term Training Programme(STTP) on Vedic Mathematics: Techniques and Applications

Professional Affiliation:

- NSS Programme Officer (2007-2009)
- Member of Fine Arts Club (2010-2011)
- 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 Karate Club(2015-2018)

- Coordinator of Alumni Association (2013-2015,2018-2019)
- Member of Internal Quality Assurance Cell(IQAC)(2015-2020)
- Member of Women Cell (2020-2021)
- Member of Youth Welfare and JACSAFA (2020-2021)
- NSS Programme Officer (2021-2022)
- Member of Minority Cell (2023-2024)
- Member of Counselling Committee (2019-till date)
- Fine Arts Coordinator (2022-2025)
- Member of Counselling Committee (2019-till date)
- Member of Discipline Committee(2006-2010,2013, 2025-till date)
- Member of Curriculum Design & Development Cell (2025-till date)

Research Publications : 18

International Publications : 12

- 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**” in the International Journal of Computational and Applied Mathematics, Volume 12,Number 1 (2017), ISSN No. :1819-4966.
- Published a paper on 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 paper on “**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).
- Published a paper on **“Stochastic Interview Control System with (s,S) Ordering Policy, Replenishment In a Supply Chain: MDP Model”** in JAC Journal of Science , Humanities and Management ,Vol.6.No.2, June 2019,ISSN: 2347-9868.pp No:12-28
- Published a paper on **Eduthogaium Ezhilmigu Kanithamum** in Journal of Modern Thamizh Research, Spl issue, Vol 4, Sep 2021, ISSN: 2321-984X, pp: 882-887, UGC(Approved).
- Published a paper on **Inverse Dominating Set** in International Journal of Neutrosophic Science (IJNS.180309),Vol. 18,No. 3,PP.104-110,2022, Scopus.
- Published a paper on **Equitable Domination in Neutrosophic Graphs** in Journal of Neutrosophic and Fuzzy Systems (JNFS.0202205), Vol. 2,No. 2,PP.57-61,2022.
- Published a paper on **Neutrosophic Fuzzy lattice via Fuzzy Partial Ordering** in International Journal of Neutrosophic Science (IJNS.210105),Vol. 21,No. 01,PP.64-68,2023, Scopus.
- Published a paper on **Solving Neutrosophic Fuzzy Transportation Problem Of Type-II** in the Journal of Neutrosophic Sets and Systems, Vol 61, PP. 523-533, 2023.
- Published a paper titled **“Constant Neutrosophic Graphs and its types”** Vol 12, No.1, December 2024, ISSN: 2347-9868, pp No. 20-27, in the JAC Journal of Science, Humanities and Management on December, 2024.

National Publications : 6

- 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.

- 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.
- Published a Paper entitled on “**Constant Neeutrosophic Graphs and its types**”, JAC Journal of Science, Humanities and Management at National level ,Vol.12,No.1-December 2024, ISSN No.2347-9868.
- Published a Chapter- **Advanced Techniques in Vector Calculus (Chapter-9)** in the book **Analysis and Applied Mathematical Sciences**”, Prime International Publication,ISBN:978-93-6010-076-6, 2024.
- Published a Chapter- **Applications in Vector Calculus(Chapter-8)** in the book **Analysis and Applied Mathematical Sciences**”, Prime International Publication,ISBN:978-93-6010-076-6, 2024.

Book Publications:

Contributed two chapters titled “Chapter 8 – Applications in Vector Calculus, Chapter 9- Advanced Techniques in Vector Calculus” ISBN:978-93-6010-076-6, published by Prime International Publication on August, 2024.

No. Research Papers Presented: 18

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 Brownian Motion to Model the stock Price	Emerging Trends in Mathematics	Fatima College (Autonomous), Madurai on 22 nd December 2015	National
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	Jayaraj Annapackiam 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	Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 1 st December, 2016	National
7.	2016	Homomorphism in Fuzzy L - ideals	Topological Graph Theory	Jayaraj Annapackiam 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 (ICMMCMSE-2017)	Alagappa University, Karaikudi, from 20 th to 22 nd February, 2017	International
11.	2017	Perishable Inventory Control System in Supply Chain: A semi-MDP Model	Mathematical Modelling(NCOM M-2017)	Cardamom Planter's Association College, Bodinayakanur on March 30 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 for Perishable inventory with Partial Backlogging in a Supply Chain: MDP approach	Algebra and Applied Mathematics	Hajee Karutha Rowther Howdia College, Uthamapalayam, Theni D.t on 11 th January, 2018	International

15.	2018	Optimal Inventory Control with Partial Backlogging in a Supply Chain: Markov Decision Process	Recent Trends in Stochastic Modeling and its Applications (ICRTSMA 2018).	Department of Statistics. ,Manonmiam Sundaranar University, Tirunelveli, on 8 th - 9 th , January, 2018.	International
16.	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
17.	2022	Methods of Research in Mathematics Education	Innovative Research Methodology cum Researcher Meet	Puducherry Academic Researcher Academy, Puducherry. 29 th January 2022	National
18.	2025	Innovative Approaches to Quality assurance in Higher Education: Advancing sustainable future through Fine Arts Integration	Innovative Approaches to Quality Assurance in Higher education for Sustainable Future	JayarajAnnapackiam College For women(Autonomous) , Periyakulam, on 9 th January 2025.	National

Seminars / Conferences / Work Shops Participated : 102

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 Orgnizational 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. Participated the 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. Participated the 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. Participated the 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, JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 6th March 2015.
31. Participated the “**Leadership Training Programme for the Faculty Members**” of JayarajAnnapackiam 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, JayarajAnnapackiam College for Women(Autonomous), Periyakulamfrom 3rd -4th August 2015.
33. Participated the Workshopon “**Techniques of Teaching Mathematics for Visually Impaired**”organised by Research Centre of Mathematics, JayarajAnnapackiam College for Women(Autonomous), Periyakulam on4th 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, JayarajAnnapackiam College for Women(Autonomous), Periyakulam from 27th- 28th January 2016.
36. Participated the Workshopon “**Research Methodology with R Studio**” at Madurai School of Management, Madurai on12th& 13th March 2016.
37. Participated the 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 JayarajAnnapackiamCollege for Women, Periyakulam on 29th& 30th September, 2016.
39. Participated theNational seminar on **New Trends in Marketing in the Digital Era** at JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 1st December, 2016.
40. Participated the National seminar on**Topological Graph Theory**at JayarajAnnapackiam 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 NadarSaraswathi 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 for women(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 the 4th Annual 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.
50. Attended Webinar on **"Mathematical Modelling using Maple"** (Online Mode) conducted by Coimbatore Institute of Technology - Teaching Learning Centre(CIT-TLC) on 27th November 2020.
51. Participated in the National Conference on **"Application Of Mathematics In Real Life"** (AMRL- 2019) was organized by Research Centre & PG Department of Mathematics at Jayaraj Annapackiam College For Women(Autonomous), Periyakulam, on 17th, December 2019.
52. Participated in the one day National Seminar on **Real Analysis and Cryptography** held at Hajee Karutha Rowther Howdia College, Uthamapalayam, Theni Dt. on 6th February, 2020.
53. Attended in the E-Seminar on **"Contribution of Ramanujan in Mathematics"** organized by the Department of Applied Science, SAGE Institute of Research & Technology, SAGE University, Indore (M.P.) on 22nd December 2020.
54. Participated in the International Webinar on **"MATLAB Applications for Numerical Methods and Control Systems"** organized by the Department of

Mathematics, K.S. Rangasamy College of Technology in view of 133rd Birth Anniversary of Srinivasa Ramanujan on 22nd December 2020

55. Participated in the National Webinar on **“An Introduction to Linear Programming Problems : Graphical and Simplex Method”** organised by the PG and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai on 13th February, 2021
56. Participated in the webinar on **“Statistical Tools on Engineering Application”** organised by the Department of Mathematics, Arasu Engineering College, Kumbakonam on 24th February, 2021
57. Participated in the National Webinar on **“Plagiarism and UGC Policy”** organised by Learning Resource Centre, Jain Deemed to be University in collaboration with eGALACTIC, on 5th March 2021.
58. Participated in the National Webinar on **“SPORTS NUTRITION”** organized by Department of Physical Education, G.T.N. Arts College, Dindugul on 7th May 2021
59. Participated at National Webinar on **“Applications of Mathematical Sciences (AMS) – 2021”**, organized by Department of Mathematics in collaboration with Internal Quality Assurance Cell (IQAC), Vidnyan Mahavidyalaya, Sangola on 31st May 2021.
60. Attended the two days National Webinar on **“Advances in Algebra and Analysis”** organized by the Department of Mathematics, Rajah Serfoji Government College (Autonomous), Thanjavur, on 11th & 12th March 2021
61. Attended the International Webinar on **“Recent Advancements in Solar Cell Technologies”** organized by the Department of Physics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 12th March 2021
62. Participated in the International Webinar on **“Computational Intelligence (IWCI'21)”** organized by the PG Department of Computer Science, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 15th March 2021
63. Participated in the National Webinar on **“Recent Trends in Graph Theory”** organized by PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 16th March 2021
64. Participated in the Webinar on **“Emerging Trends in Algebra”** organized by PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 17th March 2021.
65. Participated in the Webinar on **“Creation of Academic Accounts”** organised by the Library, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 18th March 2021.
66. Participated in the Webinar on **“A Part of Continuum Mechanics in our Day to Day Life”** organised by the Department of Mathematics, Arasu Engineering College, Kumbakonam on 20th March 2021.

67. Participated in the National Webinar on “ **Graphs and its impact on Real Word**” organised by the PG Department of Mathematics, Pasumpon Muthuramalinga Thevar College, Usilampatti on 20th March 2021
68. Participated in the Webinar on “**Real Time Applications of Mathematics in Engineering**” organised by the Department of Mathematics, Arasu Engineering College, Kumbakonam on 28th April 2021
69. Participated the online Faculty Development Programme on “Quality Enhancement Initiative Through Innovative Practices”, organized by the IQAC, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 3rd May, 2021.
70. Participated in the Webinar on “**Cosets and Lagrange’s Theorem**” organized by Department of Mathematics, K.R. College of Arts & Science, K.R Nagar, Kovilpatti on 9th June, 2021.
71. participated in the one day National Webinar on “**Dealing with Disquietude in Pandemic: Musings from Psychological Perspective**” organized by the Centre for Educational Planning and Management, A.M. School of Educational Sciences, Assam University, Silchar on 11th June 2021.
72. Participated in Sri Harihara Sarma Memorial Lecture on “**New Education Policy 2020-Skill India**” organized by Department of English, Keshav Memorial Institute of Commerce and Sciences, Narayanaguda, Hyderabad, Telangana on 6th July 2021.
73. Participated in the State Level Webinar on “**Distances and Algorithms in Graphs**” organized by the PG & Research Department of Mathematics, Holy Cross College (Autonomous), Nagercoil on 16th July 2021.
74. Participated in the Webinar on “**Cosets and Lagrange’s Theorem**” organized by Department of Mathematics, K.R. College of Arts & Science, K.R Nagar, Kovilpatti on 9th June 2021.
75. Participated in online Faculty Development Program on “**Application of Mathematics and Programming in Science and Technology**” conducted by the Department of Mathematics, Karunya Institute of Technology & Sciences, Coimbatore , from 1st June 2021 to 11th June 2021.
76. Participated in **One Week Online Faculty Development Program on “LaTeX”** organized by Department of Mathematics and Physics, Auxilium College of Arts and Science for Women, Regunathapuram, Pudukottai(Dt), from 7th June 2021 to 12th June 2021.

77. Participated in Two days virtual Faculty Development Program on **“Induction to Statistical Software”** organized by PG & Research Department of Mathematics, Government Arts & Science College , Kangeyam, from 27th June to 28th June 2021.
78. Participated in the National Webinar on **“Introduction to Mathematica”** organized by the Department of Mathematics, Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee, Nagpur, Maharashtra, on 3rd August 2021.
79. Participated in the International Webinar on **“Digital Transformation : How can I be a part of it”** organized by Department of Business Administration, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 14th August 2021.
80. Participated in the International Webinar on **“ New Advances In Mathematical And Computational Sciences”** organized by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 22nd October 2021.
81. Participated in the Webinar on “Mathematician Enroute to Data Analysis and Machine Learning”organized by the Department of Mathematics , Voorhees College Vellore, on 15th September 2021.
82. Participated in the Webinar on “READ & LEAD” organized by the Library, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 15th September 2021.
83. Participated in an one day workshop on “ Role of Mathematical Software In Real, Applied & Computational Field” organized by the Department of Applied Science, SIRT, SAGE University, Indore M.P. on 15th September 2021.
84. Participated in the national webinar on Lectures on the significant role of Algebra and Differential Equations in the 21st Century , organized by Department of Mathematics, St. Joseph University, Nagaland. 5th November 2021.
85. Participated in the national webinar on Fuzzy Modelling in Multicriteria-Criteria Decision Making conducted by Department of Mathematics, Kongue Engineering College, Perundurai , 18th December, 2021.
86. Participated in the Saturday Talk Series - **“Teaching Pedagogies & Practices”** conducted by the School of Commerce, Presidency University, Itgalpura, Rajanukunte, Bengaluru, 26th January 2022.
87. Participated in the International Webinar on **“Recent Advances in Pure And Applied Mathematics”** was organized by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 27th January 2022.

88. Participated in the International Conference on **“Innovative Research Methodology cum Researcher Meet”** organized by Puducherry Academic Researcher Academy on 29th January 2022.
89. Participated in the **“International Conference on Emerging Trend Technologies For Sustainable Growth and Development In Commerce, Business Management And Entrepreneurship”** organized by Puducherry Academic Researcher Academy (PARA), Puducherry in collaboration with International Internship University, Australia & Dr M.G.R Educational and Research Institute, Chennai on 10th July 2022.
90. Attended the **NSS Programme Officer’s meeting** at Mother Teresa Women’s University, Kodaikanal, on 27th July 2022.
91. Participated in the National Webinar on **“Change Your Lifestyle”** organized by the Department of Physical Education G.T.N Arts College (Autonomous), Dindigul, Tamilnadu 18th August 2022.
92. Participated in the National Webinar on **Emerging Trends in Application of Mathematics** organized by the PG and Research Department of Mathematics in collaboration with Annai Vailankanni Arts and Science College, Thanjavur, on 27th October, 2022.
93. Participated in a webinar on **Variations of Doination in Graph Theory** conducted by Mohamed Sathak A.J.college of Engineering, Chennai on 16th May 2023.
94. Participated in the International **Webinar on “Emerging Trends in Mathematics”** was organized by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 13th September, 2023.
95. Participated in the Essay Writing Competition on Kalam Kanuvu Mannavar & Aashieriyar Virthu 2023 was organized by Vaggai Tamil sangam ,Namakkal on 10th November 2023.
96. Participated in the International webinar on **“Emerging trends in Computer Science (IWETCS’23)”** organized by PG Department of Computer Science, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 12th January, 2024.
97. Participated in the two days training programme on **“Drafting Skills for Patent and Design Filing “** organized by Intellectual property Cell and epartment of Biotechnology, Mother Teresa Women’s University, Kodaikanal on 22nd and 23rd February 2024.
98. Participated in the one day National Seminar on **“Emerging Trends in Mathematical Modelling and Graphical Networks in Engineering Systems”** organized by K.S.R Rangasamy College of Technology, Tiruchengode on 20th August , 2024.

99. Participated the FDP on “ Unveiling Emerging Research Trends in Mathematics” organized by SRM Madurai college for Engineering and Technology , Sivagangai on 20th & 21st August,2024.
- 100.Participated in the International webinar on “**The Contribution of Sri Lankans to theEnrichment of Tamil Culture** “ organized by PG and Research Cenre of History, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 7th October, 2024
- 101.Participated in the International webinar on “**Mathematics in Smart Agriculture and Food Security**” organized by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 11th December, 2024.
- 102.Participated in the International webinar on “**Emerging trends in Computer Science (IWETCS’24)**” organized by PG Department of Computer Science, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 16th December, 2024.
103. Participated in the onlineFaculty Development Programme on “**Unveiling Emerging Research Trends in Mathematics**” organized by the Department of Mathematics, SRM Madurai College for Engineering and Technology, Sivagangai on 20th and 21st August, 2024
104. Participated in a One Day National Conference on “**Innovative Approaches to Quality Assurance in Higher Education for Sustainable Futures**” organized by the Internal Quality Assurance Cell, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 09.01.2025.
- 105.

Total number of Webinars Attended : 275

Resource Person :

- 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.

- Served as a chair person in the one day National Seminar on **Real Analysis and Cryptography** held at Hajee Karutha Rowther Howdia College, Uthamapalayam, Theni Dt. on 6th February, 2020.
- Served as Resource person and delivered a special lecture in the webinar on “**Values of Learning Mathematics**” held at Sri Adi Chunchanagiri Women’s College, Cumbum, Theni(D.t) on 5th December 2020.
- Served as Subject Expert in the **Board of Studies –M.sc Mathematics** of Hajee Karutha Rowther Howdia College, Uthamapalayam, Theni(D.t) on 30th March 2021..
- Served as Resource person and delivered a special lecture in one day state level webinar on “**Competitive Examination: Ideas & Innovations in Mathematics**” organized by PG and Research Department of Commerce, Cardamom Planters’ Association College, Bodinayakanur, Theni(D.t) on 19th April 2021.
- Served as External Expert and the **Panel member in the interview** Mother Teresa Arts and Science College, T.Sindalai cherry, Theni on 3rd August 2021.
- Served as an Academic Council Nominee in the **Board of Studies Meeting (Mathematics)**, H.K.R.H. College Uthamapalayam on 9th October 2021.
- Served as Resource person and delivered a special lecture in the webinar on **Learning How to Fly-Life Lessons for the Youth** at Sri Adi Chunchanagiri Women’s College, Cumbum on 15th October 2021.
- Served as an **External Expert for the Interview** held in Mother Theresa Arts and Science College, T. Sindalaicherry, Theni(Dt) on 22nd June, 2022.
- Reviewer of M.Phil project, Mother Teresa Women’s University, Kodaikanal on 14th July 2022 and 16th July 2022.
- Served as Examiner for the M.Phil (Part Time) Viva-Voce Examination on 24th September 2022 held at Mother Teresa Women’s University, Kodaikanal.
- Served as an Academic Council Nominee in the **Board of Studies Meeting (M.sc., Mathematics)**, H.K.R.H. College Uthamapalayam on 8th November 2022.
- Served as a Resource Person and delivered a talk on “**Yoga for Health and Peace**” organized by National Service Scheme of Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 22nd June 2023.
- Served as a Resource person in the “**Inservice Training to Science Teachers**” Catalysed and Supported by Tamil Nadu State Council for Science and Technology, Chennai on “Neutrosophic Fuzzy Sets and its Applications” organized by the PG and Research

Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni from 4th to 9th of January, 2024.

- Served as Subject Expert in the Scrutiny Committee Meeting held on 6th November 2024 at Nadar Saraswathi College of Arts and Science(Autonomous), Theni.
- Served as a Programme Co-ordinator of National Science Day held on 28th February 2025.
- Served as a subject expert in the Board of Studies meeting organized by the Department of Mathematics, Arul Anandar College, Karumathur on 18th March, 2025.
- Served as a Question paper Setter for the Ph.D entrance and Course Work Examinations in Mathematics conducted by the Mother Teresa Women's University, Kodaikanal on 7th May, 2025.
- Served as a Resource person for the seminar titled "Neutrosophic Fuzzy Logic: A Modern Tool in Medical Diagnosis" organized by PG & Research Department of Mathematics, C.P.A College, Bodinayakanur on 13th August, 2025.

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)
- **"Adarsh Vidya Saraswat Rashtriya Puraskar"** (National Award of Excellence-2019) awarded by Glacier Journal Research Foundation, Global Management council ,Ahmedabad on,5th day of September,2019.(ISSN:2349-8498, Impact Factor:2.7614)
- National Level Webinar Series-**Active Participation Award** ,SPDM Arts, SBB Commerce and SMA Science College, Shirrupur(Maharastra)from 12.05.2020 to 16.05.2020.
- **Dr. A. P. J. Abdul Kalam Teacher Award** - (PIMS AWARD - 2021) from Puducherry Institute of Management & Science , Puducherry for her dedicated Service to the Academic and Students Community on 14th November 2021.
- Received the award **"Sevai Semmal Virudhu-2022 "** in the 75th Republic Day Celebration from Kaviyarasar Kalai Tamil Sangam, Namakkal on 26th January 2022

- **Outstanding Doctoral Researcher Award** from Puducherry Academic Researcher Academy, Puducherry on 29th January 2022.
- **Admirable Professor Award-2022** awarded by Malaysia , Bharathi Creative Channel & Paramathi Velur, Kaviyarasar Kalai Tamil Sangam held on 05.10.2022 on the occasion of World Teachers Day.
- **Best Coordinator** in the largest event **World Record Bharatha Natiyam dance** conducted by Cumbum Sathguru Sangeetha Natya Vidyalaya through World Records Union (America) on 7th January, 2024.

Google Scholar ID:<https://scholar.google.com/citations?user=YYjkRkgAAAAJ&hl=en&authuser=1>

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