

Name: Dr.PA.Shanthi	Photo 			
Designation:	Associate Professor			
Qualification:	M.Sc., M.Phil., Ph.D.			
Area of specialization:	Graph Thoery			
Experience:	Industrial Experience		Teaching Experience	
	Nil		22 years	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	7		5	
Publications:	Conference		Journal	
	National	International	National	International
		11		6
Books / Book Chapters	Nil			
Patents:	National		International	
	1			
Professional Body Membership	2			
Staff Achievements	Advanced certification in Artificial Intelligence and Data Science (AIDS)			

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Mathematics	1999	Ethiraj College	University of Madras	78	First
PG	M.Sc.	Mathematics	2001	Ethiraj College	University of Madras	77	First class/ distinction
	M.Phil	Mathematics	2003	Madurai Kamaraj University	Madurai Kamaraj University	59	<i>Second</i>
Ph.D.		Graph Theory	2018	DB Jain College	University of Madras	-	-

Educational Qualifications:

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College 9 9 25	Associate Professor	21-08-2008	Till date	6	1	25
	Senior	18-6-2018	17-6-2018	9	9	15
	Lecture	03-05-2006	20-08-2008	3	3	
	Lecturer					

Thangavelu Engineering College	Lecturer	06-02-2002	31-05-2004	2	4	
Adhiparasakthi Engineering College	Lecturer	01-06-2004	02-05-2006	1	11	

Workshops/Seminars attended:

- 1) One day workshop on “Fuzzy Logic and Queuing Theory held at Sri Sairam Institute of Technology” on 20 April 2012.
- 2) Workshop on “Research Methodology and Latex” held at SSN during 19-20 April 2013.
- 3) Two days Instructional workshop on “Graph Theory and Discrete Mathematics” held at Sri Sairam Institute of Technology during 20-21 August 2015.
- 4) An insight into Mathematical Modeling in Information and Communication Engineering, SSN College, 20-22 January 2022.
- 5) Workshop on unleashing AI tools for research, November 2023
- 6) Five days Faculty Development Program on Mathematical Foundations for Data Science, Jerusalem Engineering College, November 2022.
- 7) One day workshop on “Unleashing AI Tools for Research , Sri Sairam Engineering College.

FDP/STTP Attended:

- 1) Attended five days FDP in NITTTR mentor.
- 2) FDP on Multivariate Analysis.
- 3) "Mathematical Foundations for Data Science" , Jerusalem College, November 2022
- 4) Certified FDP in State Institute of Rural Development (SIRD)
- 5) “Application of Mathematics in Engineering & Artificial Intelligence”, Anand Institute of Higher Technology, September 2024.

Symposium Attended :Nil

Conference Attended:

- 1) National conference on Recent Trends in Advanced Mathematics at Easwari Engineering College on 05.10.2010.
- 2) National conference on Recent Trends in Advanced Mathematics at Easwari Engineering College on 07.12.2012.
- 3) Indo-Slovenia Conference on Graph Theory and Application at University of Kerala from 22-24 February 2013.

- 4) National conference on Labeling and Decomposition of graphs at Madura College during August 29-30 2013.
- 5) . International conference on Mathematical Computer Engineering – 2013 at VIT, Chennai during November 29-30, 2013.
- 6) International Conference on Theoretical Computer Science and Discrete Mathematics held at SSN college of Engineering during December 8-10, 2014.
- 7) India Taiwan Conference on Discrete Mathematics held at IIT Madras during 10-13, July 2015.
- 8) International conference on Mathematical Computer Engineering – 2015 at VIT, Chennai during December 15-16, 2015.
- 9) International Conference on Graph Theory and its Applications held in Amrita School of Engineering during December 16-19, 2015.
- 10) International Conference on Theoretical Computer Science and Discrete Mathematics (ICTCSDM 2016), Kalasalingam University, Srivilliputtur, during December 19-21, 2016.
- 11) International Conference on Communication, Computing and Internet of Things, Sri Sairam Engineering College , during April 2024 , Chennai.

Completed / Ongoing Projects: Nil

Patent:

Impact of organizational culture on employee’s job performance in India-FifthAouthour-2023

Journal Publications:

- 1) “Changing and Unchanging in m- Eternal Total domination in graphs” Published in Electronic Notes in Discrete Mathematics, 2016, 53, pp. 181–198
- 2) “m-Eternal Total domination in graphs” Published in Discrete Mathematics, Algorithms and Applications, 2016, 8(3), 1650055 (ESCI)
- 3) “m-eternal Total Bondage number of a graph” published in International Journal of Pure and Applied Mathematics.
- 4) “m-Eternal Total Domination for Human Chain Graphs” published in AIP proceedings,2022,2516, 210022.
- 5)”Heart Disease Detection Using Classification and Prediction Models”,2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings, 2024
- 6)”Study on Self Learning Systems for Autonomous Soft Landing of Spacecrafts on Lunar Surfaces”,2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings, 2024.
- 7) “m-Eternal Total Bondage Number in Circulant Graphs”, TWMS Journal of Applied and Engineering Mathematics,Vol .15,N.5, 2025,pp.1217-1229.

Books / Book Chapters: Nil

Awards: Nil

Startup: Nil

Webinar: Nil

Resource Person:

Online Courses:

- 1) The Sustainable Development Goals – A global, Trans disciplinary vision for the future
- 2) Feminism and Social Justice
- 3) Write Professional Emails in English
- 4) Psychological First Aid
- 5) Spreadsheets for Beginners using Google Sheets
- 6) Robotic process automation
- 7) Statistics and R (EDX course)
- 8) Completed 8 modules in NITTTR
- 9) NPTEL course in Python for Data Science
- 10) NPTEL course in Introduction to Machine Learning
- 11) Advanced certification in Artificial Intelligence and Data Science (AIDS)
- 12) NPTEL course in Soft skills
- 13) NPTEL course Technical Communication for Engineers
- 14) NPTEL course Design Learner centric in e-Learning in STEM disciplines
- 15) NPTEL Organisational Development and Changes in 21 st Century.