Sri Sai Ram Engineering College
Department Of Humanities And Sciences

Name : **Dr. K. ANITHA**	
Designation :	Associate Professor
Qualification :	M.Sc., M.Phil., Ph.D. SET Qualified
Area of Specialization	Graph Theory
Experience :	Teaching : UG : 16 yrs PG : 6 months
	Industry : Nil
No. of Workshop / Conferences / FDP attended	4/9/7(20)

Publication :	Journal
	    National : Nil
	    International : 26

	Conference
	    National : 6
	    International : 3

Research Guidance :	Nil
General :	Nil
Staff Achievements	Achieved 100% results several times.

Educational Qualification:

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	1998	STETWC	Bharathidasan University	68%	First Class
PG	M.Sc	Mathematics	2000	TBMLC	Bharathidasan University	71%	First Class
	M.Phil	Mathematics	2003	-	MKU	69%	First class
	Ph.D	Graph Theory	2021	S.I.V.E.T. College	University of the Madras		

Academic Experience: As on 10-03- 2023

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
P.S.V.P.E. College	Lecturer	01.06.2007	27.05.2011	4	02	26
Sri Sairam Engineering College	Assistant Professor	01.06.2011	31-08-2022	11	02	30
Sri Sairam Engineering College	Associate Professor	1-09-2022	Till date	-	6	09
			Total	16	00	03

PUBLICATIONS

Journals:

1. D-lucky edge labeling of Human Chain and Circular Human Chain Networks, International conference on communication, computing and Internet of things, 2022

2. Total and strong edge colorings on Human chain network, Journal of Physics: Conference series, 2021, 1724(1), 021025.

3. Irregular set coloring of certain graphs, Journal of Physics conference series, 1724 012032.

4. Some Topological Indices on Human Chain Graph, AIP Conference Proceeding, 2282, 020004-1-020004-8(2020).

5. On Equitable Irregular Coloring of Jelly Fish and Coconut Tree Graph, Journal of Physics: Conference Series 1724 (2021) 012024 IOP Publishing.

6. D- Lucky Edge Labeling of Strong and Weak Human Chain Networks, Journal of Physics: Conference Series 1724 (2021) 012031 IOP Publishing.

7. Distance-2 irregular chromatic numbers for some graphs, Journal of Physics: Conference Series 1724 (2021) 012026, IOP Publishing.

8. Domination, Edge domination and Roman domination in Human Chain graph, Journal of Physics: Conference Series 1724 (2021) 012023, IOP Publishing.

9. D-lucky edge labeling of path families, AIP Conference Proceedings, 2020, 2282, 020032.

10. D-lucky edge labeling of Y -tree graphs, Journal of Information and Computational Science Volume 11 Issue 6 – 2021 ISSN: 1548-7741.

11. Irregular set coloring of Star families, AIP Conference Proceedings, 2261,030102 (2020).

12. Edge, Acyclic and Star colorings on Human chain graphs, Journal of Physics conference series, Vol-1377, 2019,1-7.

13. Distance-2 coloring on Human chain graph and Circular Human chain graph", Journal of Applied Science and Computations, Vol.6, (1), 2019, 500-511.

14. Lucky labelings on Human chain graph", Journal of Applied Science and Computations, Vol.6, (6), 2019, 1545-1565.

15. Some cordial labeling on Human chain graph in the International Journal of Computer Science and Engineering, 7(2019)81-84.

16. New Irregular Colourings of Graphs, Journal of Applied and Computations, 6(2019), 269-279.

17. Prime, Pell and Square Sum Labeling On Human Chain Graphs, SSEC Tech Journal, Vol.11, 1-5, 2019.

18. Magic labeling on Human Chain Graph in the International Journal of Engineering, Science and Mathematics 7(2018).

19. Cordial, Product cordial and Prime cordial labeling on Human Chain Graph in the Journal of Computer and Mathematical Sciences 9(11) (2018), 1786-17943.

20. Human Chain Graph in the International Journal of Engineering, Science and Mathematics 7(8)2018

21. K –Graceful, Odd-Even Graceful, Heronian Mean and Analytic Mean Labeling for the Extended Duplicate Graph of Kite Graph in International Journal Of Engineering & Technology 7(2018) 355-359

22. Some Graceful Labeling for the Extended Duplicate Graph of Kite Graph in Global Journal of Pure and Applied Mathematics, 13(2017)112-115

23. Mean, Odd Mean and Even Mean labeling for the extended duplicate graph of Kite graph in "International journal of mathematics trends and technology" volume 42, Number 1 February 2017.

24. Prime cordial and signed product cordial labeling for extended duplicate graph of kite graph in the International journal of mathematical Archive-7(11), 2016, pp: 32-37.

25. Distance-2 chromatic number for the duplicate graph of the Mycielskian graphs in the International journal of mathematics trends and technology" volume 37 Number 1-september 2016, pp : 67-72.

26. Distance-2 Chromatic Number for the Splitting graph of the Mycielskian Graph in International Journal of Pure and Applied Mathematics, 113(10)2017,83-91

27. Cordial and Product cordial labeling for extended duplicate graph of kite graph in the International journal of mathematics and its applications volume 4, Issue 3-B (2016), 61-68.

Conferences:

1. Strong Edge and Total colorings on Human chain and Circular human chain graphs in Recent Advancements in Applied Mathematics on 22nd November 2019 at S.I.V.E.T. College, Chennai-73.

2. Edge, Acyclic and Star Colorings on human chain graphs in National Conference on Progress in Mathematics towards Industrial Applications on 27th and 28th of September 2019 at SRM, Ramapuram, Chennai-73.

3. Some Cordial Labeling on Human Chain Graph in the International Journal on Computing Sciences on 16th &17th of November 2018 at Loyola College, Chennai.

4. Chromatic and D2 Chromatic Number for the LDG of Kite Graph in the International Conference on Mathematical Computer Engineering on 3rd &4th November of 2017 at VIT Chennai.

5. K-Graceful and Odd-Even Graceful Labeling for the Extended Duplicate Graph of Kite Graph in 10th National conference on Mathematical and Applications on 5th &6th January 2018 at SRM, University, Chennai.

6. Distance-2 chromatic number for the Splitting graph of the Mycielskian graphs in the "National Conference on Mathematical Technique and their Applications" on 27th & 28th of January 2017 at SRM University.

7. Some Graceful Labeling for the Extended Duplicate Graph of Kite Graph in the National conference on Emerging Trends in Mathematical Sciences on 22nd December 2016 at S.A. Engineering College, Chennai.

8. Distance-2 Chromatic number for Mycielskian graphs in the National Seminar on Recent Trend in Graph Theory and Combinatorics on 26th & 27th of July 2016 at Meenakshi College for Women.

9. Distance-2 irregular chromatic Number for Paths and Cycles in the International conference on mathematical Computer Engineering on 14th &15th of December 2015 at VIT, Chennai.

Workshops:

1. Two days workshop on Linear Algebra 2020, SSN college of Engineering on 01.06.2020 to 02.06.2020

2. Five days on Mathematical Sciences for CSIR-NET/SET//GATE, Sree Narayana Guru College on 11.05.2020 to 15.05.2020.

3. Two days Instructional work shop on "Graph Theory and Discrete Mathematics" held at Sri Sairam Institute of Technology during 20th & 21st August 2015.

4. One day "International Workshop on parallel Computing" held at VIT, Chennai on 11th December 2014.

FDP:

1. Attended AICTE Training And Learning (ATAL) Academy online FDP on "Blended Learning and Flipped Classroom" from 18/1/2021 to 22/1/2021 at Vellore Institute of Technology.

2. Attended AICTE training and Learning Academy online FDP on "Ethics, Moral Values, Behavioral Science & Attitude" from 12/10/2020-16/10/2020 at College of Engineering, Trivandrum

3. Two days FDP on Research Methodology at Jeppiaar Institute of Technology on 01.06.2020 to 02.06.2020.

4. Five days FDP on Applications and Techniques in Mathematics, Sri Sairam Institute of Technology on 20.07.2020 to 24.07.2020.

5. Attended Six days FDTP on Algebra and Number Theory conducted by Sri Sairam Institute of Technology from 10.06.2019 to 15.06.2019.

6. Attended FDP for the course "Advanced Engineering Mathematics" conducted by NPTEL-AICTE.

7. Attended FDP for the course "Introduction to Abstract and Linear Algebra" conducted by AICTE

Webinar:

1. One day National Webinar on Graph Theory, Govt. Arts College, Chidambaram on 12.06.2020.

2. Graph Networks and its Applications, Hindusthan College of Arts and Science on 04.06.2020 to 05.06.2020.

3. Certain Applications of Graph Theory, St.Thomas College of Arts and Science College, Koyambedu on 04.06.2020

4. Distance in graphs, KPR Institute of Engineering and Technology on 03.06.2020 to 04.06.2020

5. Research Advances in Graph Theory, Justice Basheer Ahmed Sayeed College for women on 28.05.2020

6. Latex -Learning by doing, Idhaya College for women, Kumbakonam on 15.05.2020 to 16.05.2020

7. Introduction to Latex, Loganatha Narayanasamy Government College on 28.05.2020

8. Introduction to Graphs from Algebraic Structures, G.T.N. Arts College on 22.05.2020

Online Courses:

1. Mathematics for Machine learning-Linear algebra (Coursera), Imperial College. London on 21.05.2020.

2. Mathematics for Machine learning-Multivariate Calculus (Coursera), Imperial College. London on 12.06.2020.

3. Mathematics for Machine Learning - PCA (Coursera), Imperial College. London on 22.06.2020.

4. The Sustainable Development Goals- A global, transdisciplinary vision for the future, University Of Copenhagen on 25.06.2020.

5. Spreadsheets for beginners using Google sheets, Coursera project net work on 11.05.2020.

6. The Art of Negotiation, University of California, Irvine on 21.06.2020.

7. Create your first python program, Coursera project network on 21.05.2020.

8. Python Basics, University of Michigan on 15.05.2020.

9. Data Science Math Skills, Duke University on 16.05.2020.

10. Covid-19: What you need to know, Osmosis on 04.05.2020.

11. Matrix Algebra for Engineers, The Hong Kong University of science and Technology on 25.05.2020.

12. Mathematics for Machine learning (Coursera), Imperial College. London on 22.06.2020.

13. Got an Elite certificate in NPTEL Online Certification course on "Advanced Engineering Mathematics" funded by the Ministry of HRD, Government of India.

14. Got an Elite certificate in NPTEL Online Certification course on "Introduction to Abstract and Linear Algebra" funded by the Ministry of HRD, Government of India.

15. Got a successfully certificate in NPTEL Online Certification course on "Introduction to Probability and Statistics" funded by the Ministry of HRD, Government of India.

16. Got an Elite with gold medal certificate in NPTEL Online Certification course on "Advanced Graph Theory" funded by the Ministry of HRD, Government of India.