

Sri Sai Ram Engineering College

**Depart
ment Of
Humani
ties 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 : 1

PG : 6 months

Industry : Nil

*No. of
Workshop /
Conferences /
FDP attended*

4/9/9

Publication :

Journal

	<p style="text-align: center;"><i>N a t i o n a l : Nil International : 26</i></p>
	<p style="text-align: center;"><i>Conference National : 6 International : 3</i></p>
<i>Research Guidance :</i>	<i>Nil</i>
<i>General :</i>	<i>Nil</i>
<i>Staff Achievements</i>	<i>Achieved 100% results several times.</i>

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

Academic Experience: As on 31-07-2023

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
<i>P.S.V.P.E. College</i>	<i>Lecturer</i>	<i>01.06.2007</i>	<i>27.05.2011</i>	<i>3</i>	<i>11</i>	<i>26</i>
<i>Sri Sairam Engineering College</i>	<i>Assistant Professor</i>	<i>01.06.2011</i>	<i>31-08-2022</i>	<i>11</i>	<i>01</i>	<i>30</i>
<i>Sri Sairam Engineering College</i>	<i>Associate Professor</i>	<i>1-09-2022</i>	<i>Till date</i>	<i>-</i>	<i>10</i>	<i>30</i>
Total				16	00	26

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. *Completed successfully 6 days online FDP on UHV-II organized by AICTE from 20th March to 25th March 2023.*
2. *Completed successfully 6 days online FDP on UHV Refresher 1 organized by AICTE from 21th September 2020 to 25th September 2020.*
3. *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.*
4. *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*
5. *Two days FDP on Research Methodology at Jeppiaar Institute of Technology on 01.06.2020 to 02.06.2020.*
6. *Five days FDP on Applications and Techniques in Mathematics, Sri Sairam Institute of Technology on 20.07.2020 to 24.07.2020.*
7. *Attended Six days FDTP on Algebra and Number Theory conducted by Sri Sairam Institute of Technology from 10.06.2019 to 15.06.2019.*
8. *Attended FDP for the course "Advanced Engineering Mathematics" conducted by NPTEL-AICTE.*
9. *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.*