


Sri Sai Ram Engineering College
Department Of Humanities And Sciences

<p>Name : Ms. RAJINI RAM .G</p>	
<p>Designation :</p>	<p>Associate Professor</p>
<p>Qualification :</p>	<p>M.SC., M.PHIL., DCA and SM., SET., LMISTE</p>
<p>Area of Specialisation :</p>	<p>MATHEMATICS</p>
<p>Experience :</p>	<p>Teaching : UG : 19 yrs 5 months 25 days PG : 15 yrs Industry : Nil</p>
<p>No. of Workshop / Conferences / FDP attended</p>	<p>3/3/4</p>
<p>Publication :</p>	<p>Journal National : 1 International : 4</p>
<p></p>	<p>Conference National : 1 International : 4</p>
<p>Patent :</p>	<p>2</p>
<p>Research Guidance :</p>	<p>Nil</p>
<p>General :</p>	<p>Nil</p>
<p>Staff Achievements</p>	<p>Nil</p>

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
U G	B.Sc.	Mathematics	1994	Mannar Thirumalai Naicker College	Madurai Kamaraj University	80%	I
P G	M.Sc.	Mathematics	1996	Mannar Thirumalai Naicker College	Madurai Kamaraj University	75%	I
	M.Phil.	Mathematics	2000	Madurai Kamaraj University	Madurai Kamaraj University	65%	I
Ph.D.	Ph.D.	Graph Theory	Doing	Vaishnav College, Chrompet	University of Madras		

Academic Experience: As on 10-03-2023

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College	Associate Professor	18-06-2018	Till date	4	8	19
	Assistant Professor	29.07.2009	17-6-2018	8	10	20
Jerusalem College of Engineering	Senior Lecturer	09.01.2006	03.03.2009	3	2	24
SKR Engineering College	Lecturer	05.07.2002	16.03.2005	2	8	-
Merit Engineering College	Lecturer	27.07.2001	21.12.2001	-	6	-
Total				20	01	03

PUBLICATIONS

Conferences:

1. D-lucky edge labeling of path families
Cite as: AIP Conference Proceedings 2282, 020032 (2020);
<https://doi.org/10.1063/5.0028309> (SCOPUS)
Published Online: 20 October 2020. G. Rajini Ram, S. Hemalatha, and K. Anitha.
2. D- Lucky Edge Labeling of Strong and Weak Human Chain Networks
ICRTAMS 2020 Journal of Physics: Conference Series 1724 (2021) 012031 IOP Publishing
- doi:10.1088/1742-6596/1724/1/012031 G. Rajini Ram¹, S. Hemalatha² , K. Anitha³
(SCOPUS)
3. D-lucky edge labeling of Y -tree graphs, Journal of Information and Computational Science
Volume 11 Issue 6 – 2021 ISSN: 1548-7741 G. Rajini Ram¹ , S. Hemalatha² , K. Anitha³.
4. D-lucky edge labeling of some path graphs, Participated and Presented a paper in
International Conference on “ADVANCEMENTS IN APPLICABLE
MATHEMATICS(ICAAM’22)” organised by department of mathematics ,S.I.V.E.T College
on 07/03/2022.
5. D- Lucky Edge Labeling of Human Chain and Circular Human Chain Networks, Participated
and Presented a paper in International Conference on “ 2022 INTERNATIONAL
CONFERENCE ON COMMUNICATION, COMPUTING AND INTERNET OF THINGS
(IC3IOT-2022)” from 10.3.2022 to 11.03.2022.(IEEE).(SCOPUS)

Presented in Conference:

1. 1. G. Rajini Ram, S. Hemalatha, K. Anitha, presented a paper entitled Proper
D-Lucky Edge Labeling of some graphs in the International conference on
Advancements in Applicable Mathematics on 7th March 2022, conducted by
S.I.V.E.T College, Chennai 73.
2. 2. G. Rajini Ram, S. Hemalatha, K. Anitha, presented a paper entitled Proper
D-Lucky edge labeling of path graphs at the International Conference on Recent
Developments in Pure and Applied Mathematics, during 19-21 July 2022,
organized by St. Xavier's College, Palayamkottai -627 002.
3. 3. G. Rajini Ram, S. Hemalatha, K. Anitha, presented a paper on the topic
Proper D-Lucky Edge Labeling of cycle-related graphs in International
conference on Applied Mathematical Sciences held during 21-22, December
2022, organized by JJ college of Arts and Science Pudukkottai- 622 422.

4. G. Rajini Ram, S. Hemalatha, K. Anitha, presented a paper on the topic D-Lucky Edge Labeling of Cycle related graphs in International Conference on Research Trends in Mathematics held during 22–23, December 2022, conducted by Vellore Institute of Technology, Chennai 600127.

Patents:

1. An AI based education training in Mathematics and number system, Computer science, Application Number 202241056883, Ordinary application type, filing date on 04/10/2022, Publication date (U/S 11A, 14/10/2022).
2. Embedded System Based Sensing of flow behaviour of biocompatible Titanium Alloy TI-6Al-7Nb at higher elevated temperature. Application no 202111042984 15/10/2021.
3. Multi - Rotor Horizontal Wind Turbine No.202141021169 A : 11/06/2021.

Workshops:

1. IIT madras(Nptel) conducted two days workshop on Linear Algebra for computer science and Machine Learning , on November, 19-20, 2022.
2. One day workshop on “ Graph theory using python”, conducted by division of mathematics, School of advanced science (SAS), on 3/09/2022 at Vellore insitute of Technology, Chennai.
3. Two days National Workshop on “Computational Fluid Dynamics” at SSN College of Engineering on 06th & 07th Feb 2015.
4. Two days National Workshop on “Recent trends in Artificial Intelligence and Robotics” Sponsored by TNSCST at Sri Sairam Engineering College, Chennai on 10th and 11th June 2019.
5. Two days Workshop on “ Research Methodology” through “SAMZODHANA NAIPUNYAM” organised by Research cell of SDNB VAISHNAV COLLEGE FOR WOMEN from 28.10.2022-29.1.2022.

Webinar

1. One day webinar on the Topic “ Innovative Domination and Coloring in Graphs" by Department of Mathematics for Excellence SIMATS School of Engineering, Chennai on 16/9/2022.
2. One day webinar on the Topic “ Algebraic Graph Theory”, by Government Arts College for Men, Nandanam, Chennai on 1/6/2020.
3. One day Webinar on the Topic “Stochastic Model of Call Centers” by Sri Sairam Engineering College, Chennai 44.

National Seminar

1. “Graph theory and its combinatorial applications” attended in Meenakshi College for Women (Autonomous), on 26th & 27th July 2016 Chennai.

FDP:

1. Five-Day Faculty Development Programme on "Mathematical Foundations for Data Science" conducted by Mathematics Division, Department of Science & Humanities, JERUSALEM COLLEGE OF ENGINEERING, from 31.10.2022 to 04.11.2022
- 2.
3. Faculty Development Programme on Current Trends in Application of Mathematics” Conducted by Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-62, Tamil Nadu, India from 21-09-2022 to 04-10-2022.
- 4.
2. Faculty Development Programme Conducted by Center for Faculty Development, Anna University , Chennai from 11/7/22 to 16/7/22 on the topics “LINEAR ALGEBRA AND PARTIAL DIFFERENTIAL EQUATIONS”.
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. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Sustainability Engineering" from 2020-8-17 to 2020-8-21 at Gaya College of Engineering, Gaya.
6. Faculty Development Programme Conducted by Karunya Institute of Technology and Sciences, Coimbatore from 27/7/2020 to 31/7/2020 on the topics “Recent Trends in Applicable Mathematics “.
7. Sponsored By MHRD Online One Week FDP on Open Source Tools for Research, conducted by Ramanujam College, University Of Delhi from 8/06/2020 to 14/06/2020.
8. Five days Faculty Development program on “Entrepreneurship career development program” from 8/4/2019 to 12/4/2019 in Sri Sairam Institute of Management Studies, Chennai-44.
9. ICT Academy conducted 2 days FDP on “Goal setting” 26th & 27th Feb 2019. Jan – Apr 2018 (12weeks).
10. NPTEL – AICTE Faculty development programme funded by Ministry of HRD. “Introduction to abstract and linear algebra “on Aug – Oct 2018 (8weeks).

Online Courses:

1. Successfully completed NPTEL Online Certification course on “Stochastic Processes” funded by the Ministry of HRD, Government of India.
2. Python for Data Science and Machine Learning Boot camp Conducted by Udemy on 31/03/2020
3. Python for Everybody Conducted by University of Michigan on 2/6/2020.
4. Introduction to Google Docs Conducted by Coursera on 7/6/2020.
5. Build Data Analysis tools using R and DPLYR Conducted by Coursera on 1/6/2020.
6. Covid-19 what you Need to Know Conducted by Coursera 7/4/2020.
7. The Sustainable Development Goals- A global, transdisciplinary vision for the future Conducted by University Of Copenhagen on 7/4/2020.
8. Machine learning pipelines with Azure ML Studio Conducted by Coursera on 28/5/2020. Create your First python program Conducted by Coursera on 25/5/2020.
9. Mathematics for Machine Learning--Linear Algebra Conducted by Imperial College London, 23/5/2020
10. Build a Linear Layout App In Android Studio Conducted by Coursera, 14/5/2020.
11. Data Science and Math Skills Conducted by Duke University, 14/5/2020.
12. Covid-19 Contact Tracing Conducted by Johns Hopkins University, 14/5/2020
13. Spread Sheet for Beginners using Google Sheets Conducted by Coursera on 13/5/2020.
14. Statistics and R conducted by edX-HarvardX, 21/7/2020.

National Institute of Technical Teachers Training and Research

1. Online course on Module - 1 - Orientation towards Technical Education and Curriculum Aspects conducted by NITTTR.
2. Online course on Module - 2- Professional ethics and sustainable development in July 2022.
3. Successfully completed Module 5: Technology Enabled Learning and LifeLong Self Learning of National Initiative for Technical Teachers Training by AICTE in July 2022.
4. Successfully completed Module 6 : Student Assessment and Evaluation of National Initiative for Technical Teachers Training by AICTE in July 2022.
5. Successfully completed Module 7: Creative Problem Solving, Innovation and Meaningful R & D of National Initiative for Technical Teachers Training by AICTE in July 2022.

Others:

- Creative Management Consultant given Certificate “Internal Auditor” ISO 9001:2015. Quality Management System and Audit Training Program.