

Sri Sai Ram Engineering College

Department Of Humanities And Sciences

Name : Ms. SARALADEVY R



Designation :

Assistant Professor

Qualification :

MSc., M.Phil., SET Qualified, LMISTE

Area of Specialization

MATHEMATICS

Experience :

Teaching : UG : 15 yrs

PG : 2 yrs

Industry : Nil

No. of Workshop / Conferences / FDP/ Online courses attended/Webinar/ Seminar

8/4/11/22/14/1 (59)

Publication :

Journal

National : Nil

International : 1

Conference

National : Nil

International : 1

Patent:

4

<i>Research Guidance :</i>	<i>Nil</i>
<i>General :</i>	<i>Nil</i>
<i>Staff Achievements</i>	<i>100% Result - in TPDE</i> <i>PQT, Mathematics – I & II</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>1997</i>	<i>Bharathidasan Govt. College for Women</i>	<i>Pondicherry University</i>	<i>68%</i>	<i>I</i>
<i>PG</i>	<i>M.Sc.</i>	<i>Mathematics</i>	<i>2002</i>	<i>Madras Christian College</i>	<i>Madras University</i>	<i>71%</i>	<i>I</i>
<i>Ph.D.</i>	<i>M.Phil.</i>	<i>Mathematics</i>	<i>2009</i>	<i>Madras Christian College</i>	<i>Madras University</i>	<i>66%</i>	<i>I</i>

Academic Experience: As on 31-06-2023

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
<i>Sri Sairam Engineering College</i>	<i>Assistant Professor</i>	<i>01.06.2012</i>	<i>Till date</i>	<i>11</i>	<i>7</i>	<i>-</i>
<i>Dhaanish Ahmed college of Engineering</i>	<i>Lecturer</i>	<i>18.06.2007</i>	<i>29.05.2012</i>	<i>5</i>	<i>-</i>	<i>-</i>
Total				16	7	-

PUBLICATIONS

Journals:

1. *DESIGN AND DEVELOPMENT OF SURFACE WATER TREATMENT AND PLANT* this chapter has been published in edited book titled *Cutting Edge Technologies in Health and Allied Sciences* Published by ESN PUBLICATIONS with ISBN 978-93-95196-81-9.
2. *Irregular set coloring of certain graphs*, *Journal of Physics conference series*, doi:10.1088/1742-6596/1724/1/012032(2021)
3. *Irregular set coloring of Star families*, *AIP Conference Proceedings*, 2261, 030102(2020)/1.1063/5.0017033.

Conferences:

1. *e-Conference on "Recent Advances for Innovative Research in Mathematics"* held on 28th September, 2021 at Department of Mathematics & IQAC, Indira Gandhi Kala Mahavidyalaya, Ralegaon, Dist. Yavatmal in Collaboration with Department of Mathematics & IQAC, R. A. Arts, Shri. M. K. Commerce & Shri. S. R. Rathi Science College, Washim, Dist.
2. *Irregular set coloring of certain graphs*, *Advancements in Applied Mathematics on 22nd November 2019* at S.I.V.E.T. College, Chennai-73.
3. *"Applied Mathematics"* (28&29 Jan 2010) at B.S. Abdur Rahman University.
4. *Cryptography, Automata and Learning Theory in April 2009* at MCC.

Workshops:

1. Participated in the online workshop titled "Emerging Trends in Academic Writing and Publication" hosted by SHODH, Panjab University, Chandigarh, on January 11, 2024.
2. Participated in A One day online National Level Workshop on "Role of Mathematics in Research" held on June 18, 2022 organized by Vaagdevi College of Engineering, Bollikunta,

Warangal Urban, Telangana,

3. A One day online National Level Workshop on “Graph theory using open source software held on 5/march/2022 by Vellore Institute of Technology, Chennai
4. *One Week Virtual International Lecture Workshop on "New Advances in Mathematical and Computational Sciences " (NAMCS-2021) Organized by Department of Applied Mathematics, Yogi Vemana University, Kadapa - 516005, A.P., INDIA during 13.09.2021 to 18.09.2021.*
5. *Attended an online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” during 24-28 August 2020 as organized by AICTE.*
6. *“Graph-A String that cuts across all disciplines” in July 2010 at Jeppiaar Engineering College.*
7. *Theory of computation and Graph theory in March 2009 at MCC.*
8. *“New trend in applied mathematics and its applications” in 2009 at Anand Institute of higher technology.*

PATENT:

1. Application No.202111042984 A. Date of filing of Application :22/09/2021 Publication Date : 15/10/2021 Title of the invention : EMBEDDED SYSTEM BASED SENSING OF FLOW BEHAVIOUR OF BIOCOMPATIBLE TITANIUM ALLOY TI-6AI-7NB AT HIGHER ELEVATED TEMPERATURE.
2. Application No.202141034051 A. Date of filing of Application :29/07/2021 Publication Date : 06/08/2021 Title of the invention : A device for Turning operation in Monel K-500 with a Tungsten Carbide Tool Thereof
3. Application No.202041042185 A, Date of filing of Application :29/09/2020, Publication Date: 09/10/2020, Title of the invention : A Pedal Powered Foldable Bicycle For Enhanced Mobility
4. Application No.202141021169 A. Date of filing of Application :10/05/2021, Publication Date : 11/06/2021, Title of the invention : Multi-Rotor Horizontal Wind Turbine.

FDP:

1. *Attended FDP on “EMPOWERING EDUCATORS: STRATEGIES FOR HOLISTIC TEACHING AND PROFESSIONAL GROWTH” held from **18-12-2023 to 22-12-2023** organized by SRI MALOLAN COLLEGE OF ARTS AND SCIENCE, IQAC.*
2. *Participating in the one Week International Faculty Development Programme on “Applicability of Mathematical Sciences in Emerging World” organized by the Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai from **7 to 12 August, 2023.***
3. *Participated in the Faculty Development Programme on “Recent Trends In Graph Theory” organized by Division of Mathematics, School of Advanced Sciences during **8 – 12 May 2023** at Vellore Institute of Technology, Chennai.*
4. *Participated and successfully completed the 6-day Online UHV-II FDP organized by All India Council for Technical Education (AICTE) from 20th **March to 25th March 2023.***

5. *Participated in the International FDP on “ Innovative Mathematical Techniques in Research” held during 1st August - 6th August 2022 organized by Vellore Institute of Technology.*
6. *Participated in the FDP on “Advanced Latex” on June 27 - 29 2022 at Vellore Institute of Technology*
7. *Attended AICTE Training And Learning (ATAL) Academy online FDP on “Learning Management System” from 15/3/2021 to 19/3/2021 at National Institute of Technical Teachers Training and Research.*
8. *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.*
9. *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*
10. *“Queuing Theory” was held at KCG college of Technology on 15th October 2014.*
11. *“Mathematical application in Biomedical signal processing” on 16-18 Feb 2012 at Karpagam College of engineering Coimbatore.*

Online Courses:

1. *NPTEL Online Certification course on “Accreditation And Outcome Based Learning” with **ELITE SILVER** funded by the Ministry of HRD, Government of India.*
2. *Successfully completed Module 8: Institutional Management and Administrative Procedure of National Initiative for Technical Teachers Training by AICTE on September 2023.*
3. *Successfully completed Module 3: Communication skills, mode and knowledge dissemination for Technical Teachers Training by AICTE in February 2023.*
4. *Successfully completed Module 4: Instruction Planning and delivery of National Initiative for Technical Teachers Training by AICTE in February 2023.*
5. *Successfully completed Module 5: Technology Enabled Learning and LifeLong Self Learning of National Initiative for Technical Teachers Training by AICTE in July 2022.*
6. *Successfully completed Module 6 : Student Assessment and Evaluation of National Initiative for Technical Teachers Training by AICTE in July 2022.*
7. *Successfully completed Module 7: Creative Problem Solving, Innovation and Meaningful R & D of National Initiative for Technical Teachers Training by AICTE in July 2022.*
8. *Successfully completed Module 2: Professional Ethics and Sustainability of National Initiative for Technical Teachers Training by AICTE in September 2022.*
9. *Successfully completed Module 1: Orientation Towards Technical Education and Curriculum Aspects of National Initiative for Technical Teachers Training by AICTE in July 2021*

10. NPTEL Online Certification course on "Computational Mathematics with sage math" with ELITE funded by the Ministry of HRD, Government of India.
11. NPTEL Online Certification course on "Abstract Linear Algebra" with ELITE funded by the Ministry of HRD, Government of India.
12. Successfully completed edX-HarvardX Online Certification course on "Statistics and R" on 24/7/2020.
13. Successfully Completed Coursera Online Certificate course on The Sustainable Development Goals- A global, transdisciplinary vision for the future, University Of Copenhagen, 4/7/20.
14. Successfully Completed Coursera Online Certificate course on Covid-19 Contact Tracing, Johns Hopkins University, 31/5/2020
15. Successfully Completed Coursera Online Certificate course on Machine learning pipelines with Azure ML Studio, 29/5/2020.
16. Successfully Completed Coursera Online Certificate course on Mathematics for Machine Learning--Linear Algebra, Imperial College London, 23/5/2020.
17. Successfully Completed Coursera Online Certificate course on Leadership and Emotional intelligence Indian School of Business, 15/5/2020.
18. Successfully Completed Coursera Online Certificate course on Build a Linear Layout App In Android Studio, 14/5/2020
19. Successfully Completed Coursera Online Certificate Course on Create your First python program, 14/5/2020.
20. Successfully Completed Coursera Online Certificate course on SpreadSheet For Beginners using Google Sheets, 14/5/2020
21. Successfully Completed Coursera Online Certificate course on Data Science and Math Skills, 14/5/2020.
22. Successfully Completed Coursera Online Certificate course on Python for Data Science and Machine Learning Bootcamp, Udemy, 31.03.20.

Seminar:

- International Seminar on Research Trends in Applied Mathematics organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai on 7/1/2020.

Webinar:

1. One day International Webinar on "Neoteric Development of Cosmology and Gravitational Theories" organized by Dept. of Mathematics and IQAC MMM, Darwha and Dept. of Mathematics, GCOEN, Nagpur on Dated 29th September, 2021.
2. "Fuzzy systems and Graph theory" on 17/6/2020 & 18/6/2020 at Holy cross College, Trichy.

3. *“Residue theorem and its application” on 12/6/2020 at G. Venkataswamy Naidu College, Kovilpatti*
4. *Applications of Mathematics in Mechanical Engineering on 11/6/2020 & 12/6/2020 at KPR Institute of Engineering and Technology.*
5. *Mathematical methods in soft computing on 11/6/2020 at Hindustan College of Arts and Science.*
6. *Graphs from Commutative rings on 10/6/2020 at Presidency College, Chennai*
7. *Graph theory and fuzzy Models on 8/6/20 & 9/6/20 at Sridevi Arts and Science College, Ponneri*
8. *Recent Advancement of Fuzzy Theory on 9/6/2020 at Vel's University, Chennai.*
9. *Glancing Ramunujam's Mathematics on 8/6/2020 at Sir Thiyagaraya College, Chennai.*
10. *Innovation and research opportunities for faculty in new normal on 5/6/2020 at Women's Christian college, Chennai.*
11. *Graph Networks and Its Applications on 4.6.20 & 5.6.20 at Hindusthan College of Arts and Science.*
12. *Graph theory and Human factors in aviation on 3/6/2020 to 5/6/2020 at G. Venkataswamy Naidu College, Kovilpatti.*
13. *Key Issues in Research Methodology on 3/6/2020 at G.T.N Arts College.*
14. *Government Arts College for Men on 1/62020 at Nandanam, Chennai.*