


**Sri Sai Ram Engineering College**  
**Department Of Humanities And Sciences**

<p><i>Name :</i> <b>Ms. B. CECIL LUDA REENA</b></p>	
<p><i>Designation :</i></p>	<p><i>Assistant Professor</i></p>
<p><i>Qualification :</i></p>	<p><i>M. Sc., M. Phil., SET Qualified, LMISTE</i></p>
<p><i>Area of Specialisation</i></p>	<p><i>Graph theory</i></p>
<p><i>Experience :</i></p>	<p><i>Teaching : UG : 15yrs 4 months</i> <i>PG : 3 yrs</i></p>
	<p><i>Industry : Nil</i></p>
<p><i>No. of Workshop / Conferences / FDP attended</i></p>	<p><i>4/6/15</i></p>
<p><i>Publication :</i></p>	<p><i>Journal</i></p> <p style="text-align: right;"><i>National : Nil</i></p> <p style="text-align: right;"><i>International : 1</i></p>
	<p><i>Conference</i></p> <p style="text-align: right;"><i>National : 1</i></p> <p style="text-align: right;"><i>International : 1</i></p>
<p><i>Research Guidance :</i></p>	<p><i>Guided 4 M.Sc students.</i></p>
<p><i>General :</i></p>	<p><i>Nil</i></p>
<p><i>Staff Achievements :</i></p>	<p><i>Produced centum results consecutively</i></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
UG	B.Sc	Mathematics	2005	Stella Maris College	University of madras	90	I class
PG	M.Sc	Mathematics	2007	Loyola College	University of madras	91	I class with distinction
Ph.D.	M.phil	Graph theory	2008	Loyola College	University of madras	94	I class with distinction

## Academic Experience: As on 30-09-2022

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Loyola College	Lecturer	16.06.2008	30.10.2012	4	4	14
Sri Sairam Engg. College	Assistant Professor	10.01.2013	Till date	11	-	-
<b>Total</b>				<b>15</b>	<b>4</b>	<b>14</b>

## PUBLICATIONS

### Journals:

- On Equitable Irregular Coloring of Jelly Fish and Coconut Tree Graph ICRTAMS 2020  
Journal of Physics: Conference Series 1724 (2021) 012024 IOP Publishing.

### Patent

- 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).

### Conferences:

1. *Participated and presented a paper in a two day International Conference on Computational Engineering, (ICCE 2023) organized by SIMATS Engineering held on 8th and 9th December 2023.*
2. *Participated in the International Conference on Research Trends in Contemporary Mathematics held on 3rd and 4th February organized*
3. *Participated in Patrician College of Arts and Science, Chennai and PG & Research Department of Mathematics, Sacred Heart College, Tirupattur.*
4. *Participated in the National e-Conference on "Recent Advances for Innovative Research in Mathematics" held on 28th September, 2021, Organized by Department of Mathematics & IQAC, Indira Gandhi Kala Mahavidyalaya, Ralegaon, Dist. Yavatmalin Collaboration with Department of Mathematics & IQAC, R. A. Arts, Shri. M. K. Commerce & Shri. S. R. Rathi Science College, Washim, Dist.*
5. *International Conference in Engineering and Business Management, held at Stella Maris College, Chennai. – Participated (2012)*
6. *International conference on Mathematics and Computer Science held at Loyola College, Chennai. – Presented (2011)*
7. *International conference on Mathematics and Computer Science held at Loyola College, Chennai.- Participated(2010).*

### **Workshops:**

1. *Participated in an online workshop titled ""Emerging Trends in Academic Writing and Publication" held on January 11,2024 hosted by SHODH, Panjab University. Chandigarh.*
2. *Participated in a two week national level virtual workshop on "Advanced Research Methodology conducted by SRM Institute of Science and Technology, Ramapuram from 3rd July 2023 to 18th July 2023.*
3. *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,*
4. *Participated in 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. *Participated in the National Workshop on Networking and Multiprocessing System Design held during 04-06 March 2021 organized by the Department of Mathematics, Sri Sivasubramaniya Nadar College of Engineering, Chennai,*
6. *Participated in an online National Workshop on Linear Algebra on 05-06 August 2021 at SSN College of Engineering.*

## **Webinar:**

1. *Participated in the One day Webinar on the Topic "Stochastic Model of Call Centers" by Sri Sairam Engineering College, Chennai 44.*
2. *Participated in the webinar on "Intellectual Property Rights with Focus on Patents in Mathematics" held on 3<sup>rd</sup> February 2021 in Sri Sairam Engineering, Chennai.*
3. *Participated in the online webinar on "An Introduction to Deep Learning for processing and Analysis of X-ray imaging data held on 14.07.2021 by Sri Sairam Engineering College, Chennai -44.*
4. *Participated in the National webinar on "Inverse Problems Related to certain Graph parameters" held on 19.08.2021 organized by the Department of Mathematics in association with the Internal quality assurance cell of Guru Nanak College, Chennai.*

## **FDP:**

1. *Participated in the online Faculty development Programme on ""EMPOWERING EDUCATORS: STRATEGIES FOR HOLISTIC TEACHING AND PROFESSIONAL GROWTH" organized by Sri Malolan College of Arts and Science, Madurantakam held during 18.12.2023 to 22.12.23.*
2. *Participated in the Faculty Development Programme on "Recent Trends in Graph Theory" organized by VIT, Chennai during 8 - 12 May 2023.*
3. *Participated and successfully completed the 6 day Online UHV -II FDP organized by AICTE from 20th March to 25th March 2023.*
4. *Participated in Five day faculty development programme on Mathematical Foundations for Data Science conducted by Mathematics Division, Department of Science & Humanities from 31.10.2022 to 4.11.2022.*
5. *Participated in the six-day Faculty development Training Programme on MA8352 - Linear Algebra & Partial Differential Equations conducted by Sri Sairam Engineering College from 11.09.2022 to 16.09.2022.*
6. *Participated in the International FDP on " Innovative Mathematical Techniques in Research" held during 1st August - 6th August 2022 organized by Vellore Institute of Technology.*
7. *Participated in the FDP on "Advanced Latex" on June 27 - 29 2022 at Vellore Institute of Technology.*
8. *Participated in the FDP on "Technical Writing with LaTeX for Beginners-Hands on Training "(TWLBHT2022 )" 7th March 2022-11th March 2022 conducted online by Bangalore Institute of Technology, Bengaluru.*
9. *FDP on "Number theory and its Applications" on 14<sup>th</sup> - 19<sup>th</sup> June 2021 at Gates Institute of Technology.*

10. *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.*
11. *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.*
12. *Five Days online Faculty Development Programme on "Role of Mathematics in Engineering Disciplines" held during 3rd August to 7th August 2020 organized by Stella Mary's College of Engineering.*
13. *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.*
14. *Participated in the Online FDP on "Probability and Queuing Theory" 30<sup>th</sup> Nov – 4<sup>th</sup> Dec 2020 organized by Rajalakshmi Institute of Technology, Chennai.*
15. *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.*
16. *FDP on "Entrepreneurship career Development Program" on 8<sup>th</sup> -12<sup>th</sup> April 2019 at Sri Sairam Institute of Management Studies, Chennai.*
17. *NPTEL – AICTE FACULTY DEVELOPMENT PROGRAMME funded by ministry of HRD "Introduction to Abstract and Linear Algebra".*
18. *"Applications of Transforms in Engineering" held at Rajalakshmi Institute of Engineering on 22<sup>nd</sup> July 2016.*
19. *Participated in "BRIDGE COURSE" conducted by Centre for Faculty development, Anna University, Chennai during 23-24 June 2014.*

### **Online Courses:**

1. *Successfully completed Module 5: Technology Enabled Learning and LifeLong Self Learning of National Initiative for Technical Teachers Training by AICTE in July 2022.*
2. *Successfully completed Module 6 : Student Assessment and Evaluation of National Initiative for Technical Teachers Training by AICTE in July 2022.*
3. *Successfully completed Module 7: Creative Problem Solving, Innovation and Meaningful R & D of National Initiative for Technical Teachers Training by AICTE in July 2022.*
4. *Online course on Module - 1 - Orientation towards Technical Education and Curriculum Aspects conducted by NITTTR. Score: 89%*

5. *Successfully completed and got an Elite certificate in NPTEL Online certification course (8 weeks) on “Graph Theory” during Jan – March(2021) funded by the Ministry of HRD, Government of India.*
6. *Successfully completed Coursera Online Certificate course on Python for Data Science and Machine Learning Bootcamp, Udemy, 31.3.2020.*
7. *Successfully completed Data Science and Math Skills conducted by Duke University, 16/5/2020.*
8. *Successfully completed Spreadsheet for Beginners using Google Sheets conducted by Coursera on 16/5/2020.*
9. *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.*
10. *Got an Elite certificate in NPTEL Online Certification course on “Numerical methods using finite difference approach” funded by the Ministry of HRD, Government of India.*