| Name:<br>**Ms. B. CECIL LUDA REENA** | **Photo**<br> | | |
|---|---|---|---|
| **Designation:** | **Assistant Professor** | | |
| **Qualification:** | M. Sc., M. Phil.,(Ph.D) SET Qualified, LMISTE | | |
| **Area of specialization:** | Graph Theory | | |
| **Experience:** | **Industrial Experience** | | **Teaching Experience** |
| | - | | **16 yrs 2months** |
| **Number of workshops / FDP attended:** | **Number of Workshops** | | **Number of FDPs** |
| | **5** | | **26** |
| **Publications:** | **Conference** | | **Journal** |
| | **National** | **International** | **National** | **International** |
| | - | 1 | - | 1 |
| **Books / Book Chapters** | - | | |
| **Patents:** | **National** | | **International** |
| | - | | 1 |
| **Professional Body Membership** | ISTE, IEEE | | |
| **Staff Achievements** | | | |

## Educational Qualifications:

| 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 |
| | M.phil | Graph theory | 2008 | Loyola College | University of madras | 94 | I class with distinction |
| | Ph.D. | Graph Theory | Pursuing | Bharathi Women's College | University of madras | | |

## Academic Experience:

| Name of the College | Designation | Joining Date | Relieving Date | Experience | | |
|---|---|---|---|---|---|---|
| | | | | Years | Months | Days |
| Loyola College | Assistant Professor | 16.06.2008 | 30.10.2012 | 4 | 4 | 14 |
| Sri Sairam Engg. College | Assistant Professor | 10.01.2013 | Till date | 11 | 10 | 0 |
| | | | | **16** | **2** | **14** |

Workshops/Seminars attended:
1. Participated in online National Workshop on Linear Algebra on 05-06 August 2021 at SSN College of Engineering.
2. 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.
3. 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.
4. 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.
5. Participated in the one day workshop on "Introduction to LaTeX" organized by Department of Mathematics, Bharathi Women's college held on 01.02.2024.
6. Participated in the Online workshop on "Topological Indices and Domination in Graphs " organized by the Department of Mathematics & Actuarial Science, B. S. Abdur Rahman Cresent Institute of Science & Technology, Vandalur, Chennai -48 from


FDP/STTP Attended:
1. Participated in "BRIDGE COURSE" conducted by Centre for Faculty development, Anna University, Chennai during 23-24 June 2014.

2. "Applications of Transforms in Engineering" held at Rajalakshmi Institute of Engineering on 22$^{nd}$ July 2016.
3. NPTEL – AICTE FACULTY DEVELOPMENT PROGRAMME funded by ministry of HRD "Introduction to Abstract and Linear Algebra".
4. FDP on "Entrepreneurship career Development Program" on 8$^{th}$ -12$^{th}$ April 2019 at Sri Sairam Institute of Management Studies, Chennai.
5. 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.
6. Participated in the Online FDP on "Probability and Queuing Theory" 30$^{th}$ Nov – 4$^{th}$ Dec 2020 organized by Rajalakshmi Institute of Technology, Chennai.
7. 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.
8. Five Days online Faculty Development Programme on "Role of Mathematics in Engineering Disciples" held during 3rd August to 7th August 2020 organized by Stella Mary's College of Engineering.
9. 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.
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. 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.
13. FDP on "Number theory and its Applications" on 14$^{th}$- 19$^{th}$ June 2021 at Gates Institute of Technology.
14. 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, Bengalaru.
15. Participated in the FDP on "Advanced Latex" on June 27 - 29 2022 at Vellore Institute of Technology.
16. Participated in the International FDP on " Innovative Mathematical Techniques in Research" held during 1st August - 6th August 2022 organized by Vellore Institute of Technology.
17. 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.
18. Participated in "Recent trends in Graph Theory" organized by Division on Mathematics, School of Advanced Sciences during 8 - 12 May 2023.
19. Five days Online FDP on  "Empowering Educators: Strategies for holistic teaching and professional growth" organised by Sri Malolan College of Arts and Science during 13th to 18th December 2023.
20. Five days Online FDP on  "E- Content development organised by Sri G.V.G Visalakshi college for Women during 12th to 16th February 2024.

21. NPTEL – AICTE Faculty development programme funded by Ministry of HRD organised by Indian Institute of Technology Madras "Teaching And Learning in Engineering (TALE)" Jan-Mar 2024 (4 Weeks).

22. NPTEL – AICTE Faculty development programme funded by Ministry of HRD organised by Institute of Technology Madras. "Patent Drafting for Beginners" Jan 2024(4 Weeks).

23. NPTEL – AICTE Faculty development programme funded by Ministry of HRD organised by Indian Institute of Technology Madras. "Data Science for Engineers" Jan-Mar 2024(8 Weeks).

24. Participated in a five-day Online FDP on "Cutting Edge Developments in Graph Theory and its Applications" organised by School of Advanced Sciences, Vellore Institute of Technology (VIT), Chennai from 24th June 2024 to 28th June 2024.

25. NPTEL – AICTE Faculty development programme funded by Ministry of HRD organised by Indian Institute of Technology Roorkee. "Technical Communication for Engineers Jul-Aug 2024(4 Weeks).

26. NPTEL – AICTE Faculty development programme funded by Ministry of HRD organised by Indian Institute of Technology Madras. "Python for Data Science" Jul-Aug 2024 (4 Weeks).

27. NPTEL – AICTE Faculty development programme funded by Ministry of HRD organised by Indian Institute of Technology Madras. "Development Research Methods" Aug-Oct 2024(8 Weeks).

28. Participated in 5 -Day Faculty Development Programme on " Advances in Graph Theory and Linear Algebra(AGTLA) organised by School of Advanced Sciences(SAS), VIT -AP University from 1st To 5th October 2024.


Symposium Attended: Nil


Conference Attended:
1. International conference on Mathematics and Computer Science held at Loyola College, Chennai.- Participated(2010).
2. International conference on Mathematics and Computer Science held at Loyola College, Chennai. – Presented (2011)
3. International Conference in Engineering and Business Management, held at Stella Maris College, Chennai. – Participated (2012)
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. Presented a paper titled "Distance and degree based topological indices of certain chemical structures" in the International conference on Computing Engineering ICCE-2023 held on 8th and 9th December 2023 organized by Division of Mathematics, SIMATS Engineering, Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai.

Completed / Ongoing Projects: -

Patent:
1. An AI based education training in Mathematics and Number System on 14/12/2022. Application no: 202241056883.

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

Books / Book Chapters:

Awards: NPTEL BELIEVERS, NPTEL ENTHUSIAST

Startup: Nil

Webinar:
1. 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.

2. 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.

3. Participated in the webinar on "Intellectual Property Rights with Focus on Patents in Mathematics" held on 3rd February 2021 in Sri Sairam Engineering, Chennai.

4. Participated in the One day Webinar on the Topic "Stochastic Model of Call Centers" by Sri Sairam Engineering College, Chennai 44.

Resource Person: -

Online Courses:
1. 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.
2. 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.
3. Successfully completed Spreadsheet for Beginners using Google Sheets conducted by Coursera on 16/5/2020.
4. Successfully completed Data Science and Math Skills conducted by Duke University, 16/5/2020.
5. Successfully completed Coursera Online Certificate course on Python for Data Science and

Machine Learning Bootcamp, Udemy, 31.3.2020.

6. 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.

7. Online course on Module - 1 - Orientation towards Technical Education and Curriculum Aspects conducted by NITTTR. Score: 89%

8. Successfully completed Module 7: Creative Problem Solving, Innovation and Meaningful R & D of National Initiative for Technical Teachers Training by AICTE in July 2022.

9. Successfully completed Module 6: Student Assessment and Evaluation of National Initiative for Technical Teachers Training by AICTE in July 2022.

10. Successfully completed Module 5: Technology Enabled Learning and LifeLong Self Learning of National Initiative for Technical Teachers Training by AICTE in July 2022.

11. Successfully completed Module 8 - Institutional Management & Administrative Procedures by NITTTR in March 2023.

12. Successfully completed Module 2 -Professional Ethics and Sustainability conducted Instructional Planning and Delivery by NITTTR in March 2023.

13. Successfully completed Module 4 - Instructional Planning and Delivery by NITTTR in March 2023.

14. Successfully completed Module 3: Communication skills, Modes & Knowledge Dissemination by NITTTR in March 2023.

15. Participated in an online National Workshop on Linear Algebra on 05-06 August 2021 at SSN College of Engineering.