

## Dr. R. Lenin

*Assistant Professor*

*Department of Mathematics*

*St. Joseph's College(Autonomous)*

*Tiruchirappalli, Tamilnadu, India -620002.*

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### EDUCATIONAL QUALIFICATION

- **Undergraduate Studies** with 88.53 CWAM First Class with Distinction in Mathematics at Ayya Nadar Janaki Ammal College, Sivakasi in the year 2006-2009.
- **Postgraduate Studies** with 8.21778 CGPA First Class with Distinction in Mathematics at Ayya Nadar Janaki Ammal College, Sivakasi in the year 2009-2011.
- **Master of Philosophy** with 8.95 CGPA First Class with Distinction in Mathematics at Ayya Nadar Janaki Ammal College, Sivakasi in the year 2011-2012.
- **Doctor of Philosophy** (Full Time) in Mathematics (Graph Theory) at Ayya Nadar Janaki Ammal College, Sivakasi in the year 2012-2016.
- **Research Advisor** in Mathematics, Bharathidasan University, Tiruchirappalli, Tamilnadu from 12th January 2021.

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### RESEARCH DETAILS

- **Broad area of Research** : Metric Graph Theory, Algebraic Graph Theory
- **Research Title** : A Study on Some Distance Related Concepts in Graph Theory\*.

(\*Research funded by **Tamilnadu State Council for Science and Technology**)

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### TEACHING EXPERIENCE

- Working as an Assistant Professor in Department of Mathematics at St. Joseph's College(Autonomous), Tiruchirappalli, Tamilnadu, India since 19.06.2018
  - Working as an Assistant Professor of Mathematics in the Department of Science and Humanities at National Engineering College, Kovilpatti from 04.07.2016 to 01.06.2018.
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## AWARDS/ACHIEVEMENTS

- Passed SET in 2012
  - Research funded by Tamilnadu State Council for Science and Technology - RFRS Scheme
  - II Place in M.Phil Mathematics
  - 100 Percentage Attendance for the year 2019.
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## PUBLICATIONS

1. KM.Kathiresan and R. Lenin, *Some Results on adjacency dimension of a graph*, Journal of Graph Labelling, 2(2) 2016, 177-182.
  2. KM.Kathiresan, R. Lenin, Martin Baca, *The forcing strong metric dimension of a graph*, Contributions to Discrete Mathematics, 12(2) 2017,1-10.
  3. KM. Kathiresan and R. Lenin, *The near geodetic number of a graph*, Journal of Discrete Mathematical Sciences and Cryptography, 20(5) 2017, 1091-1100.
  4. R. Lenin, *A short note on: There is no graph  $G$  with  $GSR \cong K_{r,s}$ ,  $r,s \geq 2$* , Discrete Applied Mathematics, 2019, Vol. 265, Pages 204-205 ISSN-0166-218X.
  5. R. Lenin, *The forcing near geodetic number of a graph*, Discrete Mathematics Algorithm and Applications, 2020, Vol. 12(2), pages 2050029, ISSN-1793-8309.
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## REFRESHER/FIP ATTENDED

1. 5th Faculty Induction Programme(on-line), UGC- HRDC, Pondicherry University, from 01.10.2021 to 31.10.2021.
  2. Refresher Course in Mathematics and Statistics(on-line), UGC- HRDC, Sardar Patel University, Gujarat from 14.11.2022 to 27.11.2022.
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## ACADEMIC ORIENTED PROGRAMMES ATTENDED

1. International Conference on Discrete Mathematics (ICDM-2019), organized by Department of Mathematics, St. Joseph's College, Trichy from 07.01.2019 to 09.01.2019.
2. Two Day Intercollegiate Training Programme in Soft Skill Modules organized by JASS, St. Joseph's College Trichy from 20.09.2019 to 21.09.2019.

3. Two Day National Webinar on LINEAR ALGEBRA AND COMPLEX ANALYSIS organized by Ayya Nadar Janaki Ammal College, Sivakasi, from 18.06.2020 to 19.06.2020.
4. A webinar on The Journey within - know yourself and know the world, organized by St. Joseph's College, Trichy on 06.07.2020.
5. Three day National Level Faculty Development Programmme on Making e- Content organized by St. Joseph's College, Trichy from 09.07.2020 to 11.07.2020.
6. Two day Writing Research project proposal, quality of research articles, training for online teaching and evaluation organized by Department of Mathematics, St. Joseph's College, Trichy from 06.08.2020 to 07.08.2020.
7. A webinar on Research Ethics organized by Research Advisory Committee, St. Joseph College, Trichy on 16.10.202.
8. A webinar on Research grants and Funds organized by Research Advisory Committee, St. Joseph College, Trichy on 23.11.2020.
9. Two Day Workshop on Developing Online Courses in LMS organized by IQAC, St. Joseph's College, Trichy from 22.11.2021 to 23.11.2021.
10. A FDP on Hybrid Teaching and Learning organized by St. Joseph's College, Trichy on 02.12.2021.
11. A FDP on Nurturing Educational Leadership organized by St. Joseph's College, Trichy on 18.12.2021.
12. Three days International Conference on Mathematical Sciences and Applications ICMSA 2022 organized by St. Joseph's College(Autonomous), Trichy from 09.03.2022 to 11.03.2022.
13. Two days In-Service Teacher Training Programme organized by Tamilnadu State Council for Higher Education at Thanthai Periyar Government Arts and Science College, Trichy from 05.05.2022 to 06.05.2022.
14. FDP on Course Design Matrix organized by IQAC, St. Joseph's College, Trichy on 25.01.2023.
15. FDP on LOCF- A Reformative Roadmap towards Excellence organized by IQAC, St. Joseph's College, Trichy on 20.02.2023.
16. Attended a FDP on Mathematics organized by Department of Mathematics, St. Joseph's College, Trichy on 11.03.2023.
17. Five Day VIRTUAL Hands on Faculty Development Programme on Creation of e-content organized by St. Joseph's College (Autonomous), Trichy from 13.07.2023 to 19.07.2023.
18. One day FDP on Intricacies of writing for Research publications and projects organized by IQAC, St. Joseph's College (Autonomous), Trichy on 27.10.2023.

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## VALUED ADDED COURSES CONDUCTED

Conducted a Value Added Course on LaTeX for Beginners in the years 2020 and 2021.

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## ACADEMIC MEMBER

MQC Member (From 2018-2024)

Inventory Audit Member in the Year 2023

Sports Committee Member from 2024

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## COMPUTER SKILLS

**Languages** : C++

**Packages** : MS-Office, LATEX, Matlab

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## INVITED TALK

- Deliver an inaugural address to Mathematics Association of UG Mathematics on the topic Graph Theory and its Application at Ayya Nadar Janaki Ammal College, Sivakasi, TamilNadu on 06.07.2017.
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## CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

1. Participated and won prizes in Inter collegiate Competitions: Quiz, Paper Presentation, Model Presentation, Dumb-C.
  2. Attended 10 days NSS Camp.
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## RESEARCH PAPERS PRESENTED ON NATIONAL/INTERNATIONAL CONFERENCES

- (1) Participated and Presented a Paper **Uniform Convexity Number of a Graph** in the State Level Seminar on New Trends in Graph Theory organized by Centre for Graph Theory (Department of Mathematics), sponsored by UGC and the Management of Ayya Nadar Janaki Ammal College, Sivakasi, TamilNadu, during 13th September 2013.

- (2) Participated and Presented a Paper **“The near Geodetic Number of a Graph”** in the National Conference on Recent Advances in Graph Theory NCragt-2014 organized by Department of Mathematics, Periyar University, Salem, TamilNadu-636011, sponsored by UGC and DST during March 06-07, 2014.
- (3) Participated and Presented a Paper **Convexity in Graph** in the State Level Conference on Mathematical Analysis organized by Centre for Research and Post Graduate Studies in Mathematics, sponsored by Management of Ayya Nadar Janaki Ammal College, Sivakasi, TamilNadu, during 27th September 2014.
- (4) Participated and Presented a Paper **Some Results on Strong Metric Dimension of a Graph** in the UGC Sponsored National Seminar on Recent Advancements in Graph Theory and Applied Mathematics organized by Department of Mathematics, The Standard Fireworks Rajarantnam College for Women and in Collaboration with Kalasalingam University, Krishnankoil, TamilNadu on 2 and 3rd March 2015.
- (5) Participated and Presented a Paper **Some Results on Adjacency Metric Dimension of a Graph** in the NBHM and DST, New Delhi Sponsored National Seminar on Recent Advancements on Distance, Domination and Labeling in Graphs organized by Department of Mathematics, The Madura College, Madurai, TamilNadu on 21st and 22rd January 2016.
- (6) Participated and Presented a Paper **The degree monotone geodetic number of a graph** in the International Conference on Discrete Mathematics (ICDM-2019), Department of Mathematics, St. Joseph’s College, Trichy, TamilNadu, sponsored by NBHM, CSIR and SERB during 07th to 09th July 2019.

## RESEARCH WORKSHOP ATTENDED

- (1) Participated in the **Interactive Group Discussion on Domination Theory** organized by Department of Mathematics, E.M.G Yadava Womens College, Madurai, TamilNadu sponsored by UGC Autonomous Grant during 21-22 October 2013.
- (2) Participated in the Instructional Workshop on **Domination in Graphs** organized by National Centre for Advanced Research and Discrete Mathematics (n-CARDMATH) Kalasalingam University, Krishnankovil, Virudhunagar, TamilNadu-626126, sponsored by Department of Science and Technology, New Delhi during 27th January to 1st February 2014.
- (3) Participated in the UGC sponsored National Level Workshop on **Analytical Tools for Researchers in Commerce and Computer Science** jointly organized by Department of Mathematics, Commerce and Computer Science, V.V.Vanniya perumal College for Women, Virudhunagar, TamilNadu from 3th to 5th July 2014.
- (4) Participated in the **Eighth International Workshop on Graph Labelings (IWOGL2014)** organized by National Centre for Advanced Research and Discrete Mathematics (n-CARDMATH) Kalasalingam University, Krishnankovil,

Virudhunagar, TamilNadu -626126, sponsored by Department of Science and Technology, New Delhi and INSA, New Delhi during 03rd to 06th December 2014.

- (5) Participated in the National Level Faculty Development Programme on Making e-Content at St. Joseph's College(Autonomous), Trichy, TamilNadu, sponsored by NBHM, CSIR and SERB during 09th to 11th July 2020.
- (6) Attended a Refresher Course in Mathematics and Statistics conducted by UGC-HRDC at Sardar Patel University, Gujarat from 14th to 27th November 2022.

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## RESEARCH SEMINARS/CONFERENCES ATTENDED

- (1) Participated in the **Indo-Slovenian Conference on Graph Theory and Applications (Indo-Slov-2013)** jointly organized by the research groups in Discrete Mathematics of University of Kerala and Cochin University of Science and Technology from India and the Maribor research group from Slovenia during February 22-24, 2013 at Thiruvananthapuram , India.
- (2) Participated in the **Two Day National Seminar on Algebra, Topology and their Applications** organized by Centre for Research and Post Graduate Studies in Mathematics jointly with Kerala Mathematical Association during March 11-12, 2013.
- (3) Participated in the National Seminar On **Current Trends in Mathematics** organized by Department of Mathematics, Saiva Bhanu Kshatriya College, Aruppukottai, TamilNadu sponsored by National Board for Higher Mathematics during 7-8 February 2014.
- (4) Participated in the National Seminar on **International Year of Mathematics for Planet Earth 2013** organized by Department of Mathematics, St.Marys College, Thoothukudi, TamilNadu, sponsored by UGC from 17-7-14 to 18-7-2014.
- (5) Participated in the **International Conference on Mathematical Sciences and Applications (ICMSA 2022)** conducted by Department of Mathematics, St. Joseph's College, Trichy, TamilNadu, during 09th to 11th March 2022.
- (6) Participated a **Two Day National Webinar on LINEAR ALGEBRA AND COMPLEX ANALYSIS** at Ayya Nadar Janaki Ammal College, Sivakasi, TamilNadu, during 18th-19th September 2020.
- (7) Participated Fifth Faculty Induction Programme organized by UGC-HRDC at Pondicherry University from 1st October 2021 to 31st October 2021.
- (8) Participated a State level Program In-Service Teacher Training Programme conducted by Tamilnadu State Council for Higher Education at Thanthai Periyar Government Arts and Science College, Tiruchirappalli, TamilNadu from 5th to 6th May 2022.

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## PERSONAL DETAILS

Name : R.LENIN

Address for Communication : Department of Mathematics,  
St. Joseph's College (Autonomous), Tiruchirappalli,  
Tamilnadu - 620002.

Permanent Address : 66/4, Thillai Vilas, Officer's Colony  
Puthur, Trichy - 620017.

Date of Birth : Apr 23, 1989.

Nationality : Indian

Marital Status : Married

Languages Known : Tamil & English