| Sri Sai Ram Engineering College | |
|---|---|
| **Department Of Humanities And Sciences** | |
| Name : Dr. P. Nataraj |  |
| Designation : | Assistant Professor |
| Qualification : | M.Sc., M.Phil., Ph.D., |
| Area of Specialization : | Mathematics |
| Experience : | Teaching : UG : 12 years<br><br>PG : 2 yrs |
| | Industry : Nil |
| No. of Workshop / Conferences / FDP attended | Workshop – 2 / Conferences – 5 / FDP – 3 |
| Publications : | Journals<br><br>National : 1<br>International : 8 |
| | Conferences<br><br>National : -<br>International : - |
| Research Guidance : | Nil |
| General : | Nil |
| Staff Achievements: | |

**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 | 2007 | Sree Sevugan Annamalai College, Devakottai. | Alagappa University | 69.67 | First |
| PG | M.Sc., | Mathematics | 2009 | Saraswathi Narayanan College, Madurai | Madurai Kamaraj University | 79.05 | First |
| | M.Phil., | Mathematics | 2010 | Saraswathi Narayanan College, Madurai | Madurai Kamaraj University | 81 | First |
| Ph.D. | Ph.D. | Graph Theory | 2022 | Ramanujan Research Center in Mathematics, Saraswathi Narayanan College, Madurai | Madurai Kamaraj University | - | - |

## Academic Experience: (as on 28.02.2023)

| Name of the College | Designation | Joining Date | Relieving Date | Experience | | |
|---|---|---|---|---|---|---|
| | | | | Years | Months | Days |
| VSB Engineering College, Karur | Lecturer | 01.12.2010 | 30.06.2012 | 1 | 6 | 30 |
| SSM Institute of Engineering and Technology, Dindigul | Assistant Professor | 13.08.2012 | 06.05.2019 | 6 | 8 | 25 |
| The Madura College (Autonomous), Madurai | Assistant Professor | 17.06.2019 | 07.07.2022 | 3 | 0 | 22 |
| Sri Sairam Engineering College, Chennai | Assistant Professor | 18.07.2022 | Till date | 0 | 7 | 13 |
| **Total** | | | | **12** | **0** | **0** |

## PUBLICATIONS

**Journals:**

1. P. Nataraj, A. Wilson Baskar, V. Swaminathan, Outer connected equitable dominating sets in a graph, South East Asian J. of Mathematics and Mathematical Sciences Vol. 17, No. 2 (2021), pp. 215 – 224.

2. P. Nataraj, A. Wilson Baskar, V. Swaminathan, Equitable Common Neighbour Equitable Domination in Graphs, Indian Journal of Natural Sciences Vol. 12, Issue. 67 (2021), pp. 32970 – 32975.

3. P. Nataraj, Sundareswaran Raman, V. Swaminathan, Equitably strong non-split equitable domination in graphs, Proyecciones Journal of Mathematics, Vol 40, No.4 (2021). https://doi.org/10.22199/issn.0717-6279-4497.

4. V. Swaminathan, R. Sundareswaran, D. Lakshmanaraj, P. Nataraj, L. Muthusubramanian, Equitable fair domination in graphs, Discrete Mathematics, Algorithms and Applications, Vol.13, No.6 (2021) 2150083. https://doi.org/10.1142/S179383092150083X.

5. P. Nataraj, R. Sundareswaran, V. Swaminathan, Complementary equitably totally disconnected equitable domination in graphs, Discrete Mathematics, Algorithms and Applications. (2021) 2150043. https://doi.org/10.1142/S1793830921500439.

6. J. Sivakumar, A. Wilson Baskar, R. Sundareswaran, P. Nataraj, and V. Swaminathan, Outer Connected Resolving Sets in a graph, Advances in Mathematics: Scientific Journal 10 (2021), no.3, 1367 – 1376. https://doi.org/10.37418/amsj.10.3.25

7. P. Nataraj, A. Wilson Baskar, V. Swaminathan, $\gamma_e$ - graphs of graphs, South East Asian J. of Mathematics and Mathematical Sciences Vol. 16, No. 2 (2020), pp. 263 – 270.

8. P. Nataraj, A. Wilson Baskar, V. Swaminathan, Super equitable domination in graphs, Advances in Mathematics: Scientific Journal 9 (2020), No.7, 4923 – 4928. https://doi.org/10.37418/amsj.9.7.57

9. A. Wilson Baskar, P. Nataraj, A note on average domination and independent domination numbers in graphs, Bulletin of IMVI, Vol. 8 (3) (2018), 423 – 430.

   DOI: 10.7251/BIMVI1803423N

**Conferences/Seminars/Webinars:**

1. A Three-Day National Level Webinar - Dr. V. Swaminathan Endowment Lecture series on Recent Trends in Graph Theory during 22nd – 24th June 2020 organized by P.G. & Research Department of Mathematics Government Arts College, Paramakudi - 623 701.

2. Webinar on 'NP-Completeness' organized by Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai 127 on 17th June 2020.

3. "One Day National Webinar on Graph Theory" on 12.06.2020 organized by the PG & Research Department of Mathematics, Government Arts College (Grade-1), C.Mutur, Chidambaram - 608 102.

4. International Conference in Mathematical Methods and Computation, ICOMAC 2020, 19th February 2020, organized by PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli.

5. International Conference on Graph Theory and its Applications, ICGTA-2019, November 20 – 21, 2019 organized by Department of Mathematics, SSN College of Engineering, Chennai, Tamilnadu.

6. International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM-2019, 27th & 28th August 2019, organized by Raja Doraisingam Government Arts College, Sivagangai.

7. 13th Annual ADMA Conference and Graph Theory Day–XIII during 08–10, June–2017 held at SSN College of Engineering, Kalavakkam - 603110.

8. TEQIP sponsored A two-day National Conference on "Current Trends in Graph Theory and Computation" organized by the Department of Mathematics, Thiagarajar College of Engineering, Madurai held during February 23 – 24, 2017.

9. One day State Level Seminar on "Domination and Labelling in Graphs", conducted by Department of Mathematics, Syed Ammal Arts and Science College on 20th September 2014.

**Workshops:**

1. Virtual National Workshop on "Invitation to the Theory of NP – Completeness" organized by the Department of Mathematics, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Tamil Nadu, India during 25-26, March 2022.

2. Two days workshop on Graph Theory and its Applications, organized by Department of Mathematics, The Madura College, Madurai, during 27 – 28 November 2014.

**FDP:**

1. One-week Faculty Development Programme on "Probability and Statistics (with hands on training using virtual MATLAB & R)" organized by School of Advanced Sciences, Department of Mathematics, Kalasalingam Academy of Research and Education, Krishnankoil during May 16-22, 2020.

2. One-week Faculty Development Training Programme on "MA6151 – Mathematics I", conducted by Department of Mathematics, SSMIET from $16^{th}$ to $22^{nd}$ June 2015.

3. One-week Faculty Development Training Programme on "MA6351 – Transforms and Partial Differential Equations", conducted by Department of Mathematics, SSMIET, Dindigul from $23^{rd}$ to $29^{th}$ June 2014.