


Name: Dr.P.Nataraj			
Designation:	<i>Assistant Professor</i>		
Qualification:	<i>M.Sc., M.Phil., TNSET(2018), PhD.,</i>		
Area of specialization:	<i>Graph Theory</i>		
Experience:	Industrial Experience		Teaching Experience
	-		13 Y 9 M
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs
	5		10
Publications:	Conference		Journal
	National	International	National
	International	-	
Books / Book Chapters	-		
Patents:	National		International
	-		-
Professional Body Membership	<i>IEEE, ISTE</i>		
Staff Achievements	<ul style="list-style-type: none"> ● <i>Completed NPTEL course “Foundations of R software” with Elite + Silver certificate(July - Oct 2023).</i> ● <i>Completed NPTEL course “Graph Theory” with Elite + Gold certificate(Jan - Apr 24).</i> ● <i>Completed NPTEL course “Discrete Mathematics” with Elite+Silver(Jan - Apr 24).</i> ● <i>Completed NPTEL course “Modern Algebra” with Elite+Silver(Jul - Dec 24).</i> ● <i>Completed NPTEL course “Linear Algebra Through</i> 		

Geometry” with Elite+Silver(Jul - Dec 24).

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 30.11.2024)

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	7	0
SSM Institute of Engineering and Technology, Dindigul	Assistant Professor	13.08.2012	06.05.2019	6	8	24
The Madura College (Autonomous), Madurai	Assistant Professor	17.06.2019	07.07.2022	3	0	21
Sri Sairam Engineering College, Chennai	Assistant Professor	18.07.2022	Till date	2	4	13
Total				13	8	28

PUBLICATIONS

Journals:

- P. Nataraj, A. Wilson Baskar, V. Swaminathan, Accurate Equitable Domination in Graphs, Indian Journal of Natural Sciences Vol. 15, Issue. 83 (2024), pp. 72743 - 72746.
- 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.

3. 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.
4. 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>.
5. 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>.
6. 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>.
7. 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>
8. P. Nataraj, A. Wilson Baskar, V. Swaminathan, *γ_e - graphs of graphs*, *South East Asian J. of Mathematics and Mathematical Sciences* Vol. 16, No. 2 (2020), pp. 263 – 270.
9. 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>
10. 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.

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, Tamil Nadu.*
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. *Three Days Online Workshop on "Mathematical Python" from 7th - 9th March 2024, organized by the Department of Mathematics, under the aegis of IQAC, Atma Ram Sanatan Dharma College, University of Delhi.*
2. *Three Days Online Workshop on "LaTeX and R" from 20 -22 October 2023, organized by the Department of Mathematics under the aegis of IQAC, Atma Ram Sanatan Dharma College, University of Delhi.*
3. *One day Workshop on "Graph Theory using Python", conducted by Division of Mathematics, School of Advanced Sciences (SAS), on 3rd September 2022 at Vellore Institute of Technology, Chennai.*
4. *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.*
5. *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. *NPTEL - AICTE FDP for successfully completing the course “Linear Algebra through Geometry” with a consolidated score of 86%, during Jul - Dec 2024.*
2. *NPTEL - AICTE FDP for successfully completing the course “Modern Algebra” with a consolidated score of 75%, during Jul - Dec 2024.*
3. *NPTEL - AICTE FDP for successfully completing the course “Graph Theory” with a consolidated score of 90%, during Jan - Mar 2024.*

4. NPTEL - AICTE FDP for successfully completing the course "Foundations of R Software" with a consolidated score of 84%, during July - Oct 2023.
5. One-week online FDP on "Recent Research Area and in Application in Mathematics" from 10th to 15th October 2022.
6. Tamil Nadu State Government Sponsored Five Day Faculty Development Programme on "Computational Mathematics Using R and MATLAB" from 10.10.2022 - 14.10.2022 organized by the Faculty Development Training Centre in association with Department of Mathematics, Thiagarajar College of Engineering, Madurai through Online Mode.
7. Two Week Online International Faculty Development Programme on "Current Trends in Applications of Mathematics", organized by the Department of Mathematics, School of Sciences and Humanities, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai - 62, Tamil Nadu, India from 21-09-2022 to 04-10-2022.
8. 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.
9. One-week Faculty Development Training Programme on "MA6151 - Mathematics I", conducted by Department of Mathematics, SSMIET from 16th to 22nd June 2015.
10. One-week Faculty Development Training Programme on "MA6351 - Transforms and Partial Differential Equations", conducted by Department of Mathematics, SSMIET, Dindigul from 23rd to 29th June 2014.