

Dr. VEENA MATHAD, PROFESSOR, DOS in Mathematics, University of Mysore

1.	Personal details.	
	Name :	Dr.VEENA MATHAD
	Father's Name	NEELAKANTHAYYA MATHAD
	Permanent address	--
	Address for Correspondence :	Department of Studies in Mathematics University of Mysore, Manasagangotri, Mysuru – 570 006.
	Phone :	0821-2419835
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	E-mail :	Veena_mathad@rediffmail.com
	Date of Birth :	22.07.1972
	Place of Birth	Dharwad
	Sex :	Female
	Nationality :	Indian
	Marital Status :	Married
2.	Educational Details.	
2.1.	Professional.	M.Sc., M.Phil., Ph.D.
2.2	Additional	B.Ed., PGDCA
3.	Professional Experience	Teaching : <ul style="list-style-type: none">• At Post Graduate level, Professor from 19.07.2022 to till today.• At Post Graduate level, as Associate Professor from 19.07.2019 to 18.07.2022.• At Post Graduate level, as Assistant Professor from 19.07.2007 to 18.07.2019.• At Secondary School level as Assistant Teacher from 12.01.2004 to 18.07.2007.• At Under Graduate level as Junior Merit Associate from 17.10.1998 to 16.10.1999 And from 21.10.1999 to 10.01.2000.

		Technical : <ul style="list-style-type: none"> • Technician, UGC-Academic Staff College, Karnatak University, Dharwad, from 10.01.2000 to 10.01.2004
4.	Professional Recognition.	<ul style="list-style-type: none"> • Professor, DOS in Mathematics, University of Mysore, from 19.07.2022 to till todate • Associate Professor, DOS in Mathematics, University of Mysore, from 19.07.2019 to 18.07.2022. • Assistant Professor, DOS in Mathematics, University of Mysore, from 19.07.2007 to 18.07.2019. • Assistant Teacher, Government High School, Tidigol, 12.01.2004 to 18.07.2007 • Junior Merit Associate, College of Agriculture, University of Agricultural Sciences, Dharwad, from 17.10.1998 to 16.10.1999 And from 21.10.1999 to 10.01.2000
5.	Research Recognition and Supervision	No. of Students with Ph.D awarded : 04 No. of students with M.Phil awarded : 10 No. of Students pursuing Ph.D : 08
6.	Abroad Visit	--
7.	Awards Received	<ol style="list-style-type: none"> 1. Best Paper presentation award at 10th Annual Conference of ADMA and Graph Theory Day, REVA Institute of Technology and Management, Bangalore, 10-13 Jun 2014. Title of the paper : Co-complete k-partite graphs 2. Awarded Best Paper at the National Conference on Recent Trends in Physics, Mathematics and Engineering (RTPME 2015), Sarada Vilas College, Mysore, 20-21 Feb 2015. Title of the paper : On Lict Sidigraphs
8.	Member of Professional / Academic bodies.	<ul style="list-style-type: none"> • Member of Department Council, DOS in Mathematics, Univeristy of Mysore, Mysuru. • Member of Faculty of Science and Technology, Univeristy of Mysore, Mysuru. • Member of Academy of Discrete Mathematics and Applications • Member of Indian Science Congress Association • Member of BOS in Mathematics, JSS College for Women, Mysuru. • Member of BOS in Mathematics, JSS Arts, Commerce and Science College, Ooty Road, Mysuru. • Member of BOS in Mathematics, Government (Autonomous) College, Mandya.

		<ul style="list-style-type: none"> • Member of BOE in Mathematics, University of Mysore, Mysuru • Member of BOS in Mathematics (PG), University of Mysore, Mysuru. • Chairperson of BOE in Mathematics(PG), Karnataka State Open University, Mysuru. • Chairperson of BOE in Mathematics, University of Mysore, Mysuru
9.	Areas of interest.	
9.1	Academic interest	Mathematics
9.2	Research Interest	Graph Theory
10.	Post Doctoral Research Activities	--
11.	Workshops/ Symposiums / Conferences attended.	<ol style="list-style-type: none"> 1. Group Discussion on Energy of a Graph, Karnatak University, Dharwad 07-15 Jul 2003 (Participation) 2. International Conference on “Advances in Applied Mathematics”, Gulbarga University, Gulbarga, 24-26 Feb, 2005 (Paper presentation on “Graph Equations for line graphs, list graphs, and list graphs”) 3. Workshop on “Vijnana Samvahana”, Kvenpu Kannada Adhyayana Samsthe, Kuppali, 09-12, May 2006 (Participation) 4. Group Discussion on Perfect Graphs and their applications, Regional Institute of Education (NCERT), Mysore, 15-24 Nov 2007 (Participation) 5. Pre Conference Instructional Workshop on “Discrete Mathematics”, University of Mysore, Mysore, 02-05 Jun 2008 (Participation) 6. International Conference on “Discrete Mathematics” (ICDM-2008), University of Mysore, Mysore, 06-10 Jun 2008 (Participation) 7. Instructional Workshop on Differential Geometry, University of Mysore, Mysore, 16-25 Jun 2008 (Participation) 8. Orientation Programme at UGC-Academic Staff College, University of Mysore, Mysore, from 17.07.2008 to 13.08.2008 (Participation) 9. Two day National Conference on “Behaviour Modification skills for teachers of Higher Education”, UGC-Academic

		<p>Staff College, University of Mysore, Mysore, 08-09 Aug 2008 (Participation)</p> <ol style="list-style-type: none"> 10. International Conference on Graph Theory and its Applications, Amrita Vishwa Vidyapeetham University, Ettimadai, Coimbatore, 11-13 Dec 2008 (Paper presentation on “Traversability, Covering Invariants, k-trees of Line Splitting Graph of a Graph”) 11. The First Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 21st March 2009, DOS in Mathematics, University of Mysore, Mysore (Participation) 12. Fifth Annual Instructional Conference of ADMA and Graph Theory Day V, Periyar University, Salem, 08-10 Jun 2009 (Participation) 13. National Conference on “Emerging trends in Fluid Mechanics and Graph Theory”, Christ University, Bangalore, 25-26, Feb 2010 (Paper Presentation on “Graph Equations for line graphs, jump graphs, middle graphs, splitting graphs and line splitting graphs”) 14. The Second Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 24th March 2010, DOS in Mathematics, University of Mysore, Mysore (Participation) 15. National Workshop on Semigraphs, College of Engineering, Pune, 04-07 Jun 2010 (Participation) 16. Sixth Annual Instructional Conference of ADMA and Graph Theory Day VI, College of Engineering, Pune, 08-10, Jun 2010 (Paper presentation on “Connectivity of line splitting graphs”) 17. Refresher Course Programme at UGC-Academic Staff College, University of Mysore, Mysore, from 10.06.2010 to 30.06.2010 (Participation) 18. The National Conference on the Works of Srinivasa Ramanujan, University of Mysore, Mysore, 3rd July 2010 (Participation) 19. International Conference on Recent Trends in Graph Theory and Combinatorics, ICRTGC-2010, 12-15, Aug 2010 (Paper presentation on “On the neighbourhood subdivision number of trees”) 20. The Third Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 7th March 2011, DOS in Mathematics, University of Mysore, Mysore (Participation) 21. National Conference on Applications of Mathematics and Statistics, Yuvaraja College, University of Mysore, Mysore, 25-26, Mar 2011 (Paper presentation on ““Neighborhood
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		<p>Connected Neighborhood Number of Graphs”)</p> <ol style="list-style-type: none"> 22. Inter-university subject based conference on Mathematics and Computer Science, Rani Channamma University, Belagavi, 21-22 May 2011 (Participation) 23. Annual Conference of Academy of Discrete Mathematics and Applications (ADMA) and Graph Theory day VII, National Institute of Technology, Calicut, 9 -11, Jun 2011 (Paper presentation on “Graph Equations for Line graphs, Middle graphs, Total closed neighborhood graphs and Total closed line neighborhood graphs”) 24. National Conference on Graph Theory and its applications, Tumkur University, Tumkur, 5th Dec 2011 (Paper presentation on “Block Signed Graphs”) 25. National Conference on Theoretical Computer Science and Discrete Mathematics, Kalasalingam University, Krishnankoil, 9-11, Jan 2012 (Paper presentation on “Lict Sigraphs and Lict Sidigraphs”) 26. National Conference on Fuctional Analysis and its Applications (FAA-2012), PES College of Science, Arts and Commerce, Mandya, 17-18, Feb 2012 (Participation) 27. The Fourth Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 12th March 2012, DOS in Mathematics, University of Mysore, Mysore (Participation) 28. National Conference on Graph Theory and Number Theory- NCGTNT-2012, University of Mysore, Mysore, 21-22, Mar 2012 (Paper presentation on “k-trees, k-ctrees and line splitting graphs”) 29. Three day Workshop on Algebra and its Applications, University of Mysore, Mysore, 30th Jul - 1st Aug 2012 (Participation) 30. One-Day Seminar on Curriculum Development in Mathematics, JSS College for Women, Saraswathipuram, Mysore, 29th Sept 2012 (Participation) 31. International Conference on The Works of Srinivasa Ramanujan and Related Topics, University of Mysore, Mysore, 12-14 Dec 2012 (Participation) 32. Three day workshop on field theory via Geometry and Number Theory, University of Mysore, Mysore, 04-06 Feb 2013 (Participation) 33. The Fifth Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 9th March 2013, DOS in Mathematics, University of Mysore, Mysore (Participation) 34. ICDM-2013, Karnatak University, Dharwad, 10-14, Jun 2013 (Paper presentation on “The transformation graph G^{xy} when
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xy=+-)

35. International Seminar on “Recent Trends in Mathematics”, JSS College of Arts, Commerce and Science, Ooty Road, Mysore, 6th Aug 2013 (Participation)
36. Three day workshop on an introduction to Algebraic Number Theory via Quadratic fields, University of Mysore, Mysore, 22-24 Aug 2013 (Participation)
37. Three Day Special Lecture Series in Mathematics, University of Mysore, Mysore, 21-23 Nov 2013 (Participation)
38. Refresher Course, at UGC-Academic Staff College, University of Mysore, Mysore, from 04.12.2013 to 24.12.2013 (Participation)
39. One Day National Conference on Recent Advances in Mathematics (NCRAM-2014), JSS College of Arts, Commerce and Science, Ooty Road, Mysore, 24th Jan 2014 (Chaired a session)
40. Two Day Workshop on Multimedia teaching-learning resource creation for on-line access, University of Mysore, Mysore, 06-07 Mar 2014 (Participation)
41. The Sixth Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 14th March 2014, DOS in Mathematics, University of Mysore, Mysore (Participation)
42. Annual Conference of ADMA and Graph Theory Day, REVA Institute of Technology and Management, Bangalore, 10-13, Jun 2014 (Paper presentation on “Co-complete k-partite graphs”)
43. National Conference on Recent Developments in Mathematics and their applications (NCRDMA-2014), Tumkur University, Tumkur, 17-18 Oct 2014 (Paper presentation on “Minimal Hubgraph and Common Minimal Hubgraph of a graph”)
44. Two Day International Conference on Mathematics – Yesterday and Today (ICMYT-2014), JSS College of Arts, Commerce and Science, Ooty Road, Mysore, 26-27 Dec 2014 (Chaired a session)
45. Two Day National Conference on “Recent Advances in Applied Mathematics”, St.Philomena’s College, Mysuru, 22-23 Jan 2015 (Participation)
46. National Conference on Recent Trends in Physics, Mathematics and Engineering (RTPME-2015), Sarada Vilas College, Mysuru, 20-21 Feb 2015 (Paper presentation on “On Lict Sidigraph”)
47. UGC Sponsored One Day National Conference on Mathematics and its Applications, University of Mysore, Mysuru, 21st Feb 2015 (Paper presentation on

		<p>“Neighborhood Number of Graphs”)</p> <p>48. The Seventh Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 24th March 2015, DOS in Mathematics, University of Mysore, Mysore (Participation)</p> <p>49. IoE, UOM Sponsored Two Days National Workshop on Algebra, University of Mysore, Mysuru, 22-23 Aug 2015 (Participation)</p> <p>50. UGC SAP DRS-1 Sponsored One Day National Conference on Graph Theory and Number Theory, University of Mysore, Mysuru, 24th Aug 2015 (Paper presentation on “Domination Integrity of Some Graph Valued Functions”)</p> <p>51. Golden Jubilee Celebrations of JSS College of Arts, Commerce and Science, Mysore, 21st Nov 2015 (Delivered a lecture on “Basics in Graph Theory”)</p> <p>52. The 103rd Indian Science Congress, University of Mysore, Mysore, 03-07 Jan 2016 (Participation)</p> <p>53. Refresher Course at UGC- Human Resource Development Centre, University of Mysore, Mysuru, from 15.02.2016 to 06.03.2016 (Participation)</p> <p>54. Two Days National Workshop on Number Theory and Works of Srinivasa Ramanujan, University of Mysore, Mysuru, 26-27 Feb 2016 (Participation)</p> <p>55. One Day National Symposium on “Interfaith Dialogue”, UGC-Human Resource Development Centre, University of Mysore, Mysuru, 29th Feb 2016 (Participation)</p> <p>56. The Eighth Professor S.V. Keshava Hegde Memorial Endowment Lecture in Mathematics on 10th March 2016, DOS in Mathematics, University of Mysore, Mysore (Participation)</p> <p>57. UGC sponsored Two Day National Conference on “Energy of Graphs (NCEG-2016), Maharani’s Science College for Women, Mysuru, 11-12 Mar 2016 (Chaired a Session)</p> <p>58. Pi Day Celebration at MMK and SDM Mahila Maha Vidyalaya, Mysore, 14th Mar 2016 (Delivered a lecture on Pi Day)</p> <p>59. National Conference on "Ramanujan's Contribution and Emerging Trends in Graph Theory in the field of Mathematics" at Shri Sakthikailash Women's College, Salem, 23rd Dec 2016 (delivered an invited talk on “Cocomplete Bipartite Graphs”)</p> <p>60. Workshop on AISHE at KSHEC, Bangalore, on 11.01.2017 (Participation)</p> <p>61. UGC Sponsored 1-Week Workshop on ICT at UGC- Human Resource Development Centre, University of Mysore, Mysuru, from 07.03.2017 to 13.03.2017 (Participation)</p>
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		<p>Mysore, Mysuru, 9th December, 2020 to 5th January, 2021 (Resource Person for Participant’s Seminars)</p> <p>75. International Conference on Present Scenario of Mathematical Sciences (ICPSMS 2020 – Virtual), Department of Mathematics, Karnatak University’s Karnatak Arts College, Dharwad, 12-13, September, 2020 (Chaired a session)</p> <p>76. Three day National level Virtual FDP on “Graph Theory”, Vellalar College for Women (Autonomous), Erode, 21-23 December, 2021 Delivered invited talk on the topic “Hub Parameters of Graphs” (Invited talk)</p> <p>77. International Workshop on Graphs from Algebraic Structures, Department of Mathematics, Manonmaniam Sundarnar University, Tirunelveli, Tamilnadu, in association with ADMA, 7-9 October, 2021 in Virtual Mode (Participation).</p> <p>78. Annual Conference of ADMA and Graph Theory Day, Vellalar College for Women (Autonomous), Erode, June 9-11, 2022, Delivered an invited talk on “Hub Parameters of Graphs” (Invited Talk)</p> <p>79. International Conference on Graphs and Combinatorics- ICGC 2022 1-3 December, Mangalore University, Mangalore, Delivered invited talk on “Co-complete Bipartite Graphs” (Invited Talk).</p> <p>80. One-Day National Level Seminar on ‘Recent Trends in Mathematical Physics’, 27th November 2023, SBRR Mahajana First Grade College (A), Mysuru, (Chaired a session)</p> <p>81. International Conference on ‘Advances in Applied Mathematics’ (ICAAM-2024), 10-11 January 2024, Department of Mathematics, University College of Science, Tumkur University, Tumakuru, Delivered an invited talk on “Eccentric Weight of Graphs” (Invited Talk)</p>
13.	Research Publications	
13.1	In International Journals	<ol style="list-style-type: none"> 1. Connectivity of Smarandachely Line Splitting Graphs, International J.Math. Combin , Vol.4 (2010), 08-12 (with B.Basavanagoud) 2. Graph equations for line graphs, middle graphs, semi-splitting block graphs and semi-line splitting block graphs, Proceedings of the Jangjeon Mathematical Society, 14 (2011) No. 2, pp.209-214. 3. Cocomplete Bipartite Graphs, Proceedings of the Jangjeon Mathematical Society, 15 No.4,2012,pp.395-401 (with Ali Sahal).

		<ol style="list-style-type: none"> 4. Hosoya Polynomial of Hanoi Graphs, Kragujevac Journal of Mathematics, 36 (1), 2012, pp.51-57, (with Kishori P.N. Lokesh S.B.,and Ivan Gutman). 5. Further Results on Cocomplete Bipartite Graphs, Asian Journal of Mathematics and Applications, Asian Journal of Mathematics and Applications, Article ID ama0010, 9 pages, 2013, (with Ali Sahal). 6. Two-out degree equitable domination in graphs, Transactions on Combinatorics, 2 (No.3), 2013 pp.13-19, (with Ali Sahal). 7. Connected Near Equitable Domination in Graphs, Bulletin of the International Mathematical Virtual Institute, Vol.3, 2013, pp.139-148, (With Ali Sahal). 8. On Near Equitable Domination in Graphs, Asian Journal of Current Engineering and Mathematics, 3(2), 2014, pp.39-46, (With Ali Mohammed Sahal). 9. Total Near Equitable Domination in Graphs, International Journal of Mathematical Combinatorics, 3, 2014, pp.104-110, (with Ali Mohammed Sahal). 10. On Lict Sigraphs, Transactions on Combinatorics, 3(No.4), 2014, pp.11-18, (with Kishori P. Narayankar) 11. Cocomplete k-partite Graphs, International Journal of Computer Applications, 91(9), 2014, pp.1-4, (with Ali Mohammed Sahal). 12. Strong Total Near Equitable Domination in Graphs, International Journal of Mathematical Archive, 5(3), 2014, pp.183-188, (with Ali Mohammed Sahal). 13. The Total hub number of graphs, Bull. Of the International Mathematical Virtual Institute, Vol.4, 2014, pp.61-67, (with Ali Sahal and Kiran S.). 14. The Minimum Hub Distance energy of a Graph, International Journal of Computer Applications, 125(13), 2015, pp.1-6, (with Sultan Mahde). 15. Hub-Integrity of Graphs, Bulletin of the International Mathematical Virtual Institute, 5, 2015, pp.57-64, (with Sultan Mahde and Ali Sahal). 16. Vulnerability : Vertex Neighbor Integrity of Middle Graphs, Journal of Computer and Mathematical Sciences, 6(1), 2015, 43-48, (with Sultan Mahde and Ali Sahal) 17. Vertex-to-Edge-set Distance Neighborhood Pattern Matrices, International Journal of Mathematical Combinatorics, Vol.3, 2015, 105-115 (with Kishori P.N. and Lokesh) 18. Transformation Graph G^{xy} with $xy=+-$, International Journal of Mathematical Combinatorics, Vo.4, 2015, 25-32 (with Ali Mohammed Sahal) 19. Some Operations in Hub-Integrity of Graphs, Asia Pacific
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		<p>49. Hub Edge integrity of Graphs, Online Journal of Analytic Combinatorics, Issue 15, 2020, 1-12 (with Sultan Senan Mahde).</p> <p>50. Hub Integrity Polynomial of Graphs, TWMS J. App.and Eng. Math. V.10, (2020) N.2 434-442 (with Sultan Senan Mahde).</p> <p>51. Hub Integrity Graph of Graphs, Al-Bayda University Journal, Vol.2, Issue 2, August 2020, 60-66 (with Sultan Senan Mahde).</p> <p>52. Some topological indices of Phosphorous containing dendrimers, Palestine Journal of Mathematics, Vol.10, Special Issue II, 2021, 151-160, (with Padmapriya P. and Sangamesha M. A.)</p> <p>53. Accessibility Integrity of Graphs, Advanced Studies in Contemporary Mathematics, 31 (2021), No. 1, pp. 33 – 47 (With Sultan Senan Mahde and Ismail Naci Cangul)</p> <p>54. Topological indices of Sierpinski gasket and Sierpinski gasket rhombus graphs, TWMS J. App. And Eng. Math. V.12, N.1, 2022, pp.136-148 (With Padmapriya P)</p> <p>55. k^{th}-Eccentricity Index of Graphs, Veena Mathad, Proceedings of the Jangjeon Mathematical Society 25 (2022), No. 2, pp. 211 – 225 (With Parvathi and Ismail Naci Cangul)</p> <p>56. The Pivot Number of a Graph, Proceedings of the Jangjeon Mathematical Society 25 (2022), No. 2, pp. 173 – 182 (With Shadi Ibrahim Khalaf, Sultan Senan Mahde and Ismail Naci Cangul)</p> <p>57. <i>Amplified Eccentric Connectivity index of graphs, TWMS J. App. And Eng. Math., Isik University, Turkey V.12, No.4 (2022) pp.1469-1479 (With Sujatha H.N. and Puneeth S.).</i></p> <p>58. <i>Accurate Hub Number of Graphs, International Journal of Applied Engineering Research, Research India Publications V.17, No.5 (2022) pp.455-457 (With Shadi Ibrahim Khalaf and Sujathe H. N.).</i></p> <p>59. <i>Neighborhub Number of Graphs, TWMS J. App. And Eng. Math, Isik University, Turkey V.12, No.4 (2022) pp.1349-1355 (With S. I. Khalaf and V. Raikar)</i></p> <p>60. <i>k^{th}-Zagreb Degree Eccentricity index of graphs, International Journal of Applied Engineering Research, Research India Publications V.17, No.6 (2022) pp.604-609 (With Vidya Raikar, A. R. Desai and Shailaja S. Shirkol).</i></p> <p>61. <i>The Maximum Hub Degree Energy of Graphs, International Journal of Applied Engineering Research, Research India Publications V.18, No.1 (2023) pp.47-51 (With Anand).</i></p> <p>62. <i>On Gamma Domination Zagreb Indices of Graphs and Some Graph Operations, Proceedings of the Jangjeon Mathematical Society, Jangjeon Mathematical Society, South</i></p>
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14.	Other Responsibilities	<ol style="list-style-type: none"> 1. Served as Nodal Officer, Statistical Cell, University of Mysore, Mysuru. 2. Served as Implementation Officer, State Scholarship Portal, University of Mysore, Mysuru. 3. Deputy Coordinator of UGC-SAP, DOS in Mathematics, University of Mysore, Mysuru. 4. Chairperson, DOS in Mathematics, University of Mysore, Mysuru.