

**Resume (as on 08.08.2022)**

1. Name : **Dr. S. ISMAIL MOHIDEEN**  
2. Father Name : I. Syed Mohamed Hussain  
3. Sex : Male  
4. Designation : Principal & Associate Professor of Mathematics  
5. Age & Date of Birth : 59; 10-06-1963  
6. Date of Appointment: 02.01.1986  
7. Religion : Muslim - Lebbai



8. Address:

*Residential*

*Office*

No. 6, Hussain Manzil  
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9. Educational Qualifications :

	<b>Examination Passed</b>	<b>College studied</b>	<b>Year</b>
Master's Degree	M.Sc., (Mathematics)	Jamal Mohamed College	1985
Research degree	M.Phil.,(Applied Mathematics)	National Institute of Technology	1989
	Ph.D.,	National Institute of Technology	2004
Any other degree/	PGDCA	Jamal Mohamed College	1991

10. Experience:

*Under Graduate: 36 Years*  
*Post Graduate: 36 Years*  
*M.Phil.: 20 Years*

11. Research Supervision :

M.Phil Degree – Completed – 67  
– Pursuing – 1  
Ph.D. Degree – Completed – 3  
– Pursuing - 1

**12. Administrative Position held in the College:**

- ❖ *Sub-Warden - Khajamian Hostel: June 1986 – May 1987*
- ❖ *Deputy Warden - Khajamian Hostel: June 1987 – May 1996*
- ❖ *Deputy Warden - PG New Hostel: January 2004 - May 2008*
- ❖ *Coordinator - Khajamian Hostel: June 2008 – May 2012*
- ❖ *Treasurer – Baithul Mal: June 2004 - May 2006*
- ❖ *Coordinator - Department of Fashion Technology and Costume Designing: June 2008 – May 2017.*
- ❖ *General Secretary – Alumni/Alumnae Association of Jamal Mohamed College: Jun 2011 – May 2017.*
- ❖ *Head of the Department of Mathematics, From June 2012.*
- ❖ *Bursar – Jamal Mohamed College – June 2013 – May 2017.*
- ❖ *Additional Vice Principal – Jamal Mohamed College – July 2014 – May 2017.*
- ❖ *UGC Nodal Officer – Jamal Mohamed College – June 2015- May 2017.*
- ❖ *Principal - Jamal Mohamed College from June 2017.*

**13. Membership in Autonomous Programme /Academic Activities / Special Assignments:**

- ❖ *Acted as Inspection Commission Member, Periyar University, Salem – 11, for granting the continuance of provisional affiliation of Alamelu Angappan College for Women, Natarajapuram, Komarapalayam, for the year 2003 – 2004 on 29-4-2003*
- ❖ *Member – Student Welfare Committee June 2004 – May 2017*
- ❖ *Member – Board of studies, Department of Mathematics June 2004 – Till date*
- ❖ *Member – Board of studies, Department of Fashion Technology and Costume Designing June 2007 – May 2017*
- ❖ *Member – Academic Council June 2010 – Till date*
- ❖ *Member – Planning & Evaluation June 2010 – May 2017*
- ❖ *Member – Admission June 2010 – May 2017*
- ❖ *Member – Anti Ragging June 2010 – May 2017*
- ❖ *Member Internal Quality Assurance cell and NAAC Re-accreditation – June 2009 – May 2016*

- ❖ Member- Board of studies, Department of Mathematics, SadakathullahAppa College, Tirunelveli, June 2009 – May 2012
- ❖ Member- Board of studies, Department of Mathematics(PG),Bharathidasan University, Tiruchirappalli-24 from 01.04.2012 to 31-03-2015.
- ❖ Coordinator- Curriculum development Cell- June 2012 – May 2016
- ❖ District Nodal Officer to Ragging Prevention Committees – From 29-08-2012 May 2017.
- ❖ Selection Committee Member for recommending a candidate for the appointment of Assistant professor in Mathematics at Vellalar College for Women (Autonomous), Erode on 08.08.2013.
- ❖ Acted as External Expert to assess the Department of Mathematics of Bishop Heber College (Autonomous), Tiruchirappalli-17 in the academic audit for 2012 – 2013 on 18-12-2013.
- ❖ Acted as Inspection Committee Member on 5th June 2014 for starting M.Sc., Mathematics Course during 2013 – 2014 at Cauvery College, Trichy by Bharathidasan University.
- ❖ Acted as Academic Audit Committee Member for Department of Mathematics at PSGR Krishnammal College for Women, Coimbatore on 25 Sept 2013.
- ❖ Selection Committee Member for recommending a candidate for the appointment of Assistant professor in Mathematics at Vellalar College for Women (Autonomous), Erode on 06.08.2014.
- ❖ Camp Officer – Central Valuation at Jamal Mohamed College – From Nov 2014 to till date.
- ❖ Member – Board of Studies, Department of Mathematics, St. Joseph’s College, Trichy, March 2015.
- ❖ Member – Board of Studies, Department of Mathematics, Periyar E.V.R College, Trichy, April 2015
- ❖ Coordinator – College Collaboration Scheme (C3 – Program) – From Feb 2015 to till date.
- ❖ Acted as Chief Invigilator for TNPSC- Assistant Jailor Examination at Jamal Mohamed College, Trichy on 24-07-2016.
- ❖ Acted as Chief Invigilator for TNPSC- Group IV Examination at Jamal Mohamed College, Trichy on 06-11-2016.

- ❖ Acted as Chief Invigilator for TNPSC- Departmental Examination at Jamal Mohamed College, Trichy on December 28 -31, 2016.
- ❖ Acted as Member – Selection Committee – Principal, National College, Trichy on 07.08.2017.
- ❖ Selection Committee Member for recommending a candidate for the appointment of Principal at Government Arts College Thiruvaiyaru, Tanjore on 08.12.2017.
- ❖ Bharathidasan University Representative for the College Committee – Member – Vivekananda College of Arts and Science for Women, Sirkali for a period of Three years from 25.01.2017 to 24.01.2020.
- ❖ Member – Executive Committee, Bharathidasan University Business Development Centre (BDU-BDC) from 26.10.2017 to 12.05.2020.
- ❖ Member, Ph.D Programme Doctoral Committee for Mr. M.Premkumar, Bharathidasan University from 15.02.2018
- ❖ **Acted as UGC Nominee** – Member on the Advisory Committee of Vivekanda College of Arts, Science & Commerce, Puttur (Karnataka) under the scheme Colleges with Potential for Excellence on 1<sup>st</sup> October 2018
- ❖ Selection Committee Member for recommending a candidate for the appointment of Principal at Urumu Dhanalakshmi College, Trichy on 23.04.2018.
- ❖ Acted as Governing Body Nominee – Selection Committee – Assistant Professor of Mathematics, Erode Arts and Science College, Erode on 04.02.2019.
- ❖ Acted as **Bharathidasan University Nominee** – onsite visit for conferring Autonomous Status by UGC to Cauvery College for Women, Trichy on 08th & 09th February 2019.
- ❖ Acted as **UGC Nominee (Member)** – onsite visit for conferring Extension of Autonomous Status by UGC to Chaitanya Post Graduate College, Telangana on 19<sup>th</sup> and 20<sup>th</sup> July 2019.
- ❖ Executive Board Member. Organization of Muslim Educational Institutions and Associations of Tamil Nadu (OMEIAT) for a 3 year term from 2019-2022
- ❖ Acted as **UGC Expert Committee Member** for grant the Extension of Autonomous Status, Chaitanya Post Graduate College, Wrangal from 18<sup>th</sup> July 2019 to 20<sup>th</sup> July 2019.
- ❖ Acted as **UGC Nominee (Member)** – onsite visit for conferring Autonomous Status by UGC to Bharathi College, Karnataka on 12<sup>th</sup> and 13<sup>th</sup> September 2019.
- ❖ Nominated as Member of Academic Advisory Committee of the UGC-HRDC of Bharathidasan University, Trichy on 17<sup>th</sup> February 2020

- ❖ Acted as National Advisory Committee Member, National Conference on Mathematics: Pure, Applied and Computation at Kongunadu College of Engineering & Technology, Trichy on 4<sup>th</sup> March 2020
- ❖ Acted as **Member Expert Committee** for On the Spot Inspection for grant of fresh Autonomous Status to Abeda Inamdar Senior College, Pune on 12<sup>th</sup> December 2020 and 13<sup>th</sup> December 2020.
- ❖ Acted as **NAAC Peer Team Member** to Marwari College, Ranchi on 19<sup>th</sup> January 2021 and 20<sup>th</sup> January 2021
- ❖ Acted as **UGC Nominee (Member)** onsite visit for conferring Extension of Autonomous Status by UGC to Pioneer Institute of Professional Studies, Indore, Madhya Pradesh on 12<sup>th</sup> & 13<sup>th</sup> August 2021.
- ❖ Bharathidasan University Representative for the College Committee – Member – Meenakshi Chandrasekaran College of Arts and Science, Thanjavur for a period of Three years from 20.03.2022.

#### **14. Conference / Seminar attended without Presenting Papers:**

1. Participated In the One-Day Workshop On Artificial Neural Networks: Fundamentals To Diverse Applications, Conducted By IEEE, REC, Tiruchirappalli, April 10, 1999.
2. Participated in the Conference: IT for MS Applications, Conducted by the Operations Research Society of India, Bangalore Chapter, Bangalore, July 27-28, 1999.
3. Participated in the School on Algorithmic Techniques for Hard problems and Workshop on Parameterized Complexity, Conducted by Institute of Mathematical Sciences, Chennai, December 4-6 and 7-9, 2000.
4. Participated in the Preparatory School and Workshop on Automata, Concurrency and Logic, Conducted by Institute of Mathematical Sciences, Chennai, 26-28 and 29-31, January 2001.
5. Participated in the one day state level seminar on Quality Enhancement and Sustenance in higher Education Organized by Jamal Mohamed College and Sponsored by national Assessment and Accreditation Council, Bangalore, held on 27 March 2002 at Jamal Mohamed College, Trichy
6. Participated in the National Workshop on Emerging Frontiers in Combinatorial Optimization, Conducted by Department of Mathematics, University of Pune, Pune, 21-28, June 2002.

7. Participated in the UGC Sponsored State Level Seminar on Mathematical Methods and Fuzzy Applications organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 27 February, 2006.
8. Participated in the TANSCHHE and UGC Sponsored Three Day Workshop on Curriculum Development and Evaluation, Organized by UGC-Academic Staff College, Bharathidasan University, Conducted at Jamal Mohamed College, (Autonomous), Tiruchirappalli-20, during 2 - 4 March 2006.
9. Participated in the UGC Sponsored one day State Level Seminar on Recent Trends in IT, Organized by Jamal Mohamed College, (Autonomous), Tiruchirappalli-20, on 28 March 2006.
10. Participated in the National Seminar on Changing Paradigms in Services Marketing Organized by Jamal Institute of Management, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 and Sponsored by AICTE during March 23-24, 2007.
11. Participated in the Workshop on Software Tools in Mathematical Modeling, Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20, under Autonomous grant, 28.02.2009 to 04.03.2009.
12. Participated in the National conference on Advanced Computing Organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 and Sponsored by University Grants Commission, New Delhi during March 27-28, 2009.
13. Participated in the UGC Sponsored International conference on Mathematical Methods and Computation Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 during July 24-25, 2009.
14. Participated in the UGC Sponsored National Seminar on Applications of Algebra and Number Theory Organized by Department of Mathematics, National College, Tiruchirappalli-01, during December 4-5, 2009.
15. Participated in the UGC Sponsored State level seminar on Examination Reforms Organized by Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on March 12, 2010.

16. Participated in the NAAC Sponsored National level seminar on Quality enhancement in Teaching, Research and extension in Higher education Institutions-Prospects and problems Organized by Internal Quality Assurance cell, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on April 15 & 16, 2010.
17. Participated in the UGC Sponsored National seminar on Examination Reforms Organized by Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on February 24, 2012.
18. Participated in the UGC Sponsored “All India Workshop Research Methodology & Technology Management in Higher education”, Organized by Pondicherry University, Puduchery, during March 14-15, 2013.
19. Participated and Shared expertise in the exclusive Workshop for members of Studies on “Reform of Undergraduate and Postgraduate Curriculum For Enhancing Employability”, Organized by Curriculum Development Cell on 22<sup>nd</sup> March 2013 at Bharathidasan University, Tiruchirappalli-620 024.
20. Participated in the A One Day Inter-Collegiate Workshop on E- Content Development For Teaching – Learning, Organized by Internal Quality Assurance Cell and JMC Alumni Association (Singapore Chapter), 22<sup>nd</sup> Dec 2015 at Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020.
21. Participated in the UGC Sponsored Six days Workshop on Research Methodology and SPSS Organised by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 during October 20-25, 2016.
22. Participated in the One Day Workshop on The Role of a Teacher in the Present Scenario, Organized by IQAC, Jamal Mohamed College, Trichy-20 on 03.12.2016
23. Participated in the Three Days NLP – Based Faculty Empowerment Programme Organized by IQAC, Jamal Mohamed College, Trichy-20 on 17th,19th and 20th June 2017.
24. Participated in the International Conference on Mathematical Methods and Computation, Department of Mathematics, Jamal Mohamed College, Trichy on 11-12-2017.
25. Attended the Conference “Startup Policy and Skill Development for Employment – An initiative by State Universities” held on 10.07.2018 at Anna University, Chennai.

26. Participated in the DST- FIST Presentation Meet 2018, organised by Sanatana Dharma College on 28<sup>th</sup> October 2018 at Alleppey.
27. Participated in the UGC CPE Sponsored Two-Day workshop on Professional Development for Academic Leadership in Curriculum Design- organized by Curriculum Development Cell, Jamal Mohamed College, Tiruchirappalli on 18-01-2019 to 19-01-2019.
28. Participated in the Panel Discussion on Paradigm Shift in Pedagogical Practices – Quality Enhancement in Higher Education at National College, Trichy on 24<sup>th</sup> August 2019.

**15. Paper Presented in Seminars / Conferences :**

1. “An Algorithm For Multi-Objective Network Optimization Problem Using Graph Theoretic Approach”, At One Day Symposium on Mathematical Methods and Applications, Department of Mathematics, IIT, Madras, 22<sup>nd</sup> December 1998.
2. “An Over View Of Multi-Objective Network Optimization Problems” At International Conference On Operations Research In Small And Medium Enterprises, Sri Venkateshwara University, Tirupathi, December 20-22, 1999.
3. “A New Algorithm For Multi-Objective Network Optimization Problem” At International Conference On Number Theory And Discrete Mathematics in Honor of Srinivasa Ramanujan”, Panjab University, Chandigarh, October 2-6, 2000.
4. “Modification of Dijkstra’s Algorithm for Multi-Objective Network Optimization Problem” At The International Conference On Recent Advances in Mathematical Sciences, Department of Mathematics, IIT, Kharapur, December 20 - 22, 2000.
5. “Polynomial Time Algorithm To Find Best Compromise Path Of A Multi-Objective Network Optimization Problem Using Different Types Of Mean” At UGC Sponsored National Seminar On Recent Developments In Mathematical Applications, Department Of Mathematics Sri G.V.C. Visslakchi College Of Women, Udumalpet, February, 1-2, 2002.
6. “Matching in a fuzzy graph”, At Tamilnadu State Council for Science and Technology sponsored National Conference on Fuzzy Mathematics and Graph Theory, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 27– 28, 2008.



7. "On Odd and Even Supper Edge Magic Labelling of Graphs", At Tamilnadu State Council for Science and Technology sponsored National Conference on Fuzzy Mathematics and Graph Theory, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 27 – 28, 2008.
8. "Aggregation of opinions for system selection using Triangular fuzzy Number", At Tamilnadu State Council for Science and Technology sponsored National Conference on Fuzzy Mathematics and Graph Theory, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 27 – 28, 2008.
9. "Genetic Algorithmic Approach for Multi Objective Weight Spanning Tree", At International Conference on Operations Research Applications in Engineering and Management Organized by Department of Management Studies, Anna University, Tiruchirappalli, May 27-29, 2009.
10. "Domination, Independent Domination and its parameters in Fuzzy Graph", At UGC sponsored International Conference on Mathematical Methods and Computation, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, July 24-25, 2009.
11. "A Study On time Complexities", At UGC sponsored International Conference on Mathematical Methods and Computation, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, July 24-25, 2009.
12. "Triangular Form of Fuzzy Context Free Grammer", At UGC sponsored International Conference on Mathematical Methods and Computation, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, July 24-25, 2009.
13. "Mathematical Applications of fuzzy logic using Algorithms", At One day National level seminar on Graph Theory, Algorithms and modelling (GAM-2010), PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 19, 2010.
14. "Physical Problems of Children with Special needs with special references from mental retardation", At State level seminar on Health issues of Youth in India: Problems and prospects, PG Department of Social work & Red Ribben Club, Jamal Mohamed College, Tiruchirappalli, December 20, 2010.

15. "Different Nighborhood Numbers in an M-strong Fuzzy Graph", At Heber International Conference on Applications of Mathematics and Statistics, PG and Research Department of Mathematics, Bishop Heber College, Tiruchirappalli, January 5-7, 2012.
16. "Neighbourhood Critical Vertex In An M-strong Fuzzy Graph", At UGC Sponsored One Day National seminar on Application of Mathematics, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, February 22, 2012.
17. "Critical neighbourhood edge in an M-strong fuzzy graph", At UGC Autonomous funded International conference on Mathematics and its Applications, Department of Mathematics, Islamiah College, Vaniyambadi, August 29, 2012.
18. "A Correlation and regression on the Ground Water of Vaiyampatty Viillage", At One Day National Seminar on Algebra and Graph Theory, Organized by The Department of Mathematics, Srinivasan College of Arts and Science, Perambalur, September 9, 2012.
19. "Path with Maximum Flow in a Network", At UGC Sponsored One Day National seminar on Discrete Mathematics and its Applications, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 9, 2013.
20. "N-Triangular form of Fuzzy Regular Grammar", At UGC Sponsored One Day National seminar on Discrete Mathematics and its Applications, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 9, 2013.
21. "M-Domination in an M-Strong Fuzzy Graph", At UGC Sponsored One Day National seminar on Discrete Mathematics and its Applications, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 9, 2013.
22. "Complementary Nil Dominating set in a Fuzzy graph", International Conference on Mathematical Methods and Computation – ICOMAC 2014, PG & Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, February 13 – 14, 2014.
23. "Determination of second minimum weight spanning Tree of a network in Fuzzy environment", International Conference on Mathematical Methods and Computation – ICOMAC 2014, PG & Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, February 13 – 14, 2014.

24. "Order Fuzzy Logical Relationship and applied to futures constant Prices and Gold", UGC Sponsored National Conference on Fuzzy Logic and its Application to Computer Science, Department of Mathematics, Baselios Poulouse II Catholicos college, Piravom, Ernakulam District, Kerala, February 20-22, 2014.
25. "Flow Distribution Network in Fuzzy Environment", International Conference on Mathematical Methods and Computation – ICOMAC 2015, PG & Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, January 22 – 23, 2015.
26. "Determination of Root Mean Square Error Using Different Mean Techniques", International Conference on Mathematical Methods and Computation – ICOMAC 2015, PG & Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, January 22 – 23, 2015.
27. Hesitancy Fuzzy Graph Coloring, International Conference on Mathematical Methods and Computation, Department of Mathematics, Jamal Mohamed College, Trichy on 11-12-2017.
28. Split and Non-Split Domination Number in Bipolar Fuzzy Graphs, International Conference on Mathematical Methods and Computation, Department of Mathematics, Jamal Mohamed College, Trichy on 11-12-2017.
29. M.Premkumar, A.Prasanna, Dharendra Kumar Shukla, S.Ismail Mohideen, On Characteristics of K-Q- Fuzzy Translation and K-Q- Multiplication in T-Ideal in T-Algebras, 6th International Conference on Information and Communication Technology for Intelligent Systems (through Digital Platform), Ahmedabad on 22.04.2022 and 23.04.2022.
30. A.Mohamed Ismail, M.Premkumar, A.Prasanna, S.Ismail Mohideen, Dharendra Kumar Shukla, On Product of Doubt  $\psi$ -Q-Fuzzy Subgroup, 6th International Conference on Information and Communication Technology for Intelligent Systems (through Digital Platform), Ahmedabad on 22.04.2022 and 23.04.2022.

## 16. Publications

1. Sastry, V.N., and Ismail Mohideen, S., "A Modified Algorithm To Compute Pareto - Optimal Vectors", Journal Of Optimization Theory And Applications, 103, 9(1), 241-244, October 1999.
2. Sastry, V.N., Janakiraman, T.N. and Ismail Mohideen, S., "New Algorithms for Multi Objective Shortest Path Problem", OPSEARCH, Vol. 40, No. 4, PP. 278 – 298, 2003.

3. Ismail Mohideen, S., Sastry, V.N., and Janakiraman, T.N. “Modified and Generalized Dijkstra’s Algorithm For Multi Objective Shortest Path Problem”, Jamal Academic Research Journal: An Interdisciplinary, Vol. 1, No. 2, 85 – 92, January – June 2004.
4. Ismail Mohideen, S., Janakiraman, T.N. and Sastry, V.N., “Maximum Possible Number of Pareto Optimum Paths in a Multi Objective Shortest Path Problem” Bulletin of Pure and Applied Sciences, Vol. 23E, No. 1, PP 181- 185, June 2004.
5. Ismail Mohideen, S., Janakiraman, T.N. and Sastry, V.N., “New Polynomial Time Algorithms For Multi Objective Shortest Path Problem Using first k Shortest paths”, Jamal Academic Research Journal: An Interdisciplinary, Vol. 1, No. 2, 55 – 62, July – December 2004.
6. Sastry, V.N., Janakiraman, T.N. and Ismail Mohideen, S., “New Polynomial Time Algorithm to Compute a Set of Pareto Optimal Paths for Multi Objective Shortest Path Problem”, International Journal of Computer Mathematics, Vol. 82, No. 3, 289 – 300, March 2005.
7. Ismail Mohideen, S., and Mohamed Ismayil, A., “On Khobragade and Khot’s Alternative Approach to the simplex Method-I”, Jamal Academic Research Journal: An Interdisciplinary, Vol. 3, No. 2, 83 – 89, July – December 2006.
8. Ismail Mohideen, S., Mohamed Ismayil, A., Parvathy, G., and Rajalaxmi (@)Subahashini, D., “Super Edge Magic Labeling of Graphs”, Jamal academic Research Journal: An Interdisciplinary, Vol.4, No.2, 69-76, 2007.
9. Ismail Mohideen, S. and Rajesh, B., “An Analysis of Finding the Order of Time Complexities”, International Journal of Computational and Applied Mathematics, Vol.5, No.1, 47-51, 2010.
10. Ismail Mohideen, S. and Mohamed Ismayil, A., “Neighborhood Number of a Fuzzy Graph”, International Journal of Mathematics Research, Vol.2, No.3, 71-76, 2010.
11. Ismail Mohideen, S. and Mohamed Ismayil, A., “Domination in Fuzzy Graph: A New Approach”, International Journal of Computational Science and Mathematics, Vol.2, No.3, 101-107, 2010.

12. Ismail Mohideen. S. and Senthil Kumar, P., “A Comparative Study on Transportation Problem in Fuzzy Environment”, International Journal of Mathematics Research, Vol.2, No.1, 151-158, 2010.
13. Ismail Mohideen. S. and Satheesh V., “N-Triangular Form of Fuzzy Context Free Grammar”, Advances in Fuzzy Mathematics, Vol.5, No.1, 77-80, 2010.
14. Ismail Mohideen, S. and Rajesh B., “A Comparative Analysis Of Multi Objective Shortest Path Problem”, International Journal of Engineering Science and Technology, Vol.2(7), 3241-3243, 2010.
15. Ismail Mohideen. S. and Satheesh V., “Theorem on N-Triangular Form of Fuzzy Context Free Grammar”, Elixir Dist. Math, Vol.36, 3094-3096, 2011.
16. Ismail Mohideen. S. and Satheesh V., “N-Triangular Form of Fuzzy Regular Grammar”, International Journal of Mathematics Research, Vol. 3, No : 2, pp 105 – 112, 2011.
17. Ismail Mohideen, S. and Rajesh B., “Second Minimum Weight Spanning Tree in a Network”, Elixir Application Mathematics 40, 5103-5104, 2011.
18. Ismail Mohideen, S, and Mohamed Ismayil, A., “The Edge neighbourhood Number of an M- Strong Fuzzy Graph”, Advances in Fuzzy Sets and Systems, Vol.8, No. 2, pp 89-96, 2011.
19. Ismail Mohideen, S. and Mohamed Ismayil, A., “Independent, perfect and connected neighborhood Number of an M- Strong Fuzzy Graph”, Elixir Dist. Math, Vol.41, 5816-35820, 2011.
20. Ismail Mohideen, S., Masoothu. S., Prasanna. A., and Sivanesan. R., “Analysis of Diabetics using R- Software”, Elixir Statistics 37A, pp 4141 – 4142, 2011.
21. Ismail Mohideen, S. and Mohamed Ismayil, A., “Neighbourhood Critical Edges of an M-Strong Fuzzy Graph”, International Journal of Scientific & Engineering Research, Vol.3, Issue11, pp47-51, November- 2012.

22. Ismail Mohideen, S., Hidhayaathullah. A., and Abutahir. U., “An Overview of Stochastic Assumption Violation Problems in Econometric Models”, Proceedings of the Second International Conference on Stochastic Modelling and Simulation (ICSMS – 2012), pp 149 – 151, Dec 2012.
23. Ismail Mohideen, S. and Mohamed Ismayil, A., “Neighbourhood Critical Vertex of an M-Strong Fuzzy Graph ”, Advances in Fuzzy Mathematics, Vol.8, No. 1, pp35-39, 2013.
24. Ismail Mohideen, S. and Mohamed Ismayil, A., “Complementary nil Domination in Fuzzy Graphs”, Annals of Fuzzy Mathematics and Informatics, Vol.8, No.5, pp:785-792, 2014.
25. Ismail Mohideen, S., Rajesh. B., and Prasanna. J., “Flow Distribution Network with Triangular Intuitionistic Fuzzy Number as Edge Weight”, International Journal of Engg., Research & Technology., (IJERT) pp 4 – 6, 2014.
26. Ismail Mohideen, S., and Abuthahir. U., “A Modified Method for Forecasting Problems Based on Higher order Fuzzy Logical Relationship”, Advances in fuzzy sets and systems, vol.19,(1), pp.45-61, 2015.
27. Ismail Mohideen, S., Rajesh. B., and Prasanna. J., “Flow distribution network in Fuzzy environment”, Jamal Academic Research Journal (Special Issue), pp.238-243, 2015.
28. Ismail Mohideen, S., and Abuthahir. U., “Determination of root mean square error using different mean techniques”, Jamal Academic Research Journal (Special Issue), pp.238-243, 2015.
29. Ismail Mohideen, S, and Mohamed Ismayil, A., “Mixed Domination in an M-strong fuzzy graph”, Malaya Journal of Matematik, 3(2), pp.153-160, 2015.
30. Ismail Mohideen, S., Prasanna, A., and Rajasekar. K., “Matrix based Cryptography VB.NET approach”, International Research Journal of Mathematics, Engineering & IT, vol.2, pp. 42-49, 2015.

31. Ismail Mohideen, S., Solairaju. A., Prasanna. A., and Kalaivani. T., “Intuitionistic Fuzzy B-ideal on B-Algebra’s”, International Research Journal of Mathematics, Engineering & IT, vol.2 (Issue 2), pp. 35-46, Dec 2015.
32. Ismail Mohideen, S., and Rifayathali, M.A, “Coloring of Intuitionistic Fuzzy Graph using  $(\alpha, \beta)$ -cuts”, International Research Journal of Mathematics, Engineering and IT, Vol. 2, Issue 12, Dec 2015, IF- 2.868, ISSN: (2349-0322), PP: 14-26.
33. Ismail Mohideen, S., Solairaju. A., Prasanna, A., and Jaibunisha, K., “Homomorphism and Cartesian Product of Anti Q- Fuzzy BG-Ideals in BG-Algebra”, International Research Journal of Mathematics, Engineering & IT, vol.3 (Issue 1), pp. 09-21, Jan 2016.
34. Ismail Mohideen, S., Nagoor Gani, A., Fathima Kani, B., Yasmin, C., “Properties of Operations on Regular Intuitionistic Fuzzy Graphs”, International Journal of Engineering Science and Computing, pp: 3779-3783, April 2016.
35. Ismail Mohideen, S., Hidhayaathullah. A., and Abutahir. U., “Algebraic functions to counter improper model specification and assumption violation problem”, Bulletin of Pure and Applied Sciences, Vol. 35 E, Issue 1, pp: 13- 18, 2016.
36. Ismail Mohideen, S., and Abuthahir. U., “Fuzzy Linear Regression to Overcome Assumption Violation Problems in Relationship between Rupee Exchange Rate and Gold Reserve with RBI”, International Journal of Fuzzy Mathematical Archive, vol.11, pp:17-23, August 2016.
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71. Prasanna A, Premkumar M , Ismail Mohideen S, Algebraic Properties on  $\omega$  – Fuzzy Translation and Multiplication in **BH**– Algebras, AIP Conference Proceedings, October 2020.
72. A. Prasanna, M. Premkumar, S. Ismail Mohideen, Dhirendra Kumar Shukla,  $\kappa - Q$  –Fuzzy Orders Relative to  $\kappa - Q$  –Fuzzy Subgroups and Cyclic group Fundamental Various Aspect, Materials Today: Proceedings, December, 2020.

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76. U.Abuthahir and Dr.S.Ismail Mohideen, A Modified Method for Forecast Gross Domestic Capital of India Using Fuzzy Time Series, Malaya Journal of Matematic, July 2020.
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#### **17. Seminars / Conferences Organized:**

1. Organized UGC Sponsored State Level Seminar on “Mathematical Methods In Social Sciences” at PG and Research Department of Mathematics, Jamal Mohamed College, On September 8 – 9, 2004.
2. Organizer- UGC Sponsored State Level Seminar on “Mathematical Methods and Fuzzy Applications” at PG and Research Department of Mathematics, Jamal Mohamed College, On February 27, 2006.

3. Coordinator – Tamilnadu State Council for Science and Technology Sponsored National Conference on “Fuzzy Mathematics And Graph Theory” at PG and Research Department of Mathematics, Jamal Mohamed College, On March 27 – 28, 2008.
4. Coordinator - UGC sponsored International Conference on Mathematical Methods and Computation, at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, July 24-25, 2009.
5. Organizer – UGC Sponsored Seminar on “Creating Competitiveness to Excel in Higher Education – A TQM Approach” Organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli on December 08, 2010.
6. Organizer – UGC-HEPSN Sponsored One day Seminar on “Empowerment of Persons With Special Needs” on Decemeber 22, 2010.
7. Organizer – State-level Quiz Competition, PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on February 17, 2011.
8. Organizer – UGC Sponsored Seminar on “Teaching, Learning and Research in Higher Education- Excellence and Beyond Excellence” Organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli on March 07, 2012.
9. Organizer – UGC-HEPSN Sponsored “Special meet for Special Children” at Jamal Mohamed College, Tiruchirappalli on March 10, 2012.
10. Organizer - Workshop on “Aari Work” at Department of Fashion Technology and Costume Designing, Jamal Mohamed College, Tiruchirappalli, on September 20-21, 2012.
11. Organizer – UGC Sponsored “Two Day Faculty Development Programme on Soft Skills” Organized by the Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 4<sup>th</sup> and 5<sup>th</sup> January 2013.
12. Organizer - “DESTYLIO 2013- Mega Exhibition cum Sale Programme” at Department of Fashion Technology and Costume Designing, Jamal Mohamed College(Autonomous), Tiruchirappalli, on February 15-16, 2013.

13. Convener- UGC Sponsored One Day National seminar on Discrete Mathematics and its Applications (Autonomous Grant), PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, March 9, 2013.
14. Convener- A four day Workshop on LaTeX & SPSS at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, September 26 to October 1, 2014.
15. Convener- International conference on Mathematical Methods and Computation (ICOMAC 2015) organized by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, January 22<sup>nd</sup> and 23<sup>rd</sup>, 2015.
16. Organizer - “DESTYLIO 2015” at Department of Fashion Technology and Costume Designing, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 2015.
17. Co-ordinator – One Day State Level Seminar & Workshop on Personality Development & Fashion Portfolio in Association with FDI Footwear Design & Development Institute, Ministry of Commerce & Industry, Govt. Of India, PG and Research Department Fashion Technology and Costume Designing, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 4<sup>th</sup> March, 2015.
18. Convener – A One Day Workshop on “Free Open Source Software” at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, 12<sup>th</sup> Oct 2015.
19. Co-ordinator- “DESTYLIO 2017” at Department of Fashion Technology and Costume Designing, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 27<sup>th</sup> February to 1<sup>st</sup> March 2017.
20. Chairman - International conference on Mathematical Methods and Computation (ICOMAC 2017) organized by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, 11<sup>th</sup> December 2017.

**18. UGC grants received for Research project:**

*Two years UGC Minor research Project titled “Approximated Polynomial Time Algorithm and Genetic Algorithms for Multi Objective Network Optimization Problem”, During March 2003 – April 2005.*

## **19. Resource Person/ Chairperson**

1. Algorithm and Complexity, Thanthai Hans Rover College, Perambalur. Fuzzy Applications, 17 – 08 -2005.
2. Non –Conventional Algorithm, Ponnaiah Ramajayam Engineering College, Vallam, 27- 09 - 2005.
3. Numerical Ability, Center for Youth Development and studies, Bharathidasan University, Trichy- 24, Nov - 2003, Nov – 2004.
4. Chair Person, Heber International Conference on Applications of Mathematics and Statistics, PG and Research Department of Mathematics, Bishop Heber College, Tiruchirappalli, January 5-7, 2012.
5. Inaugural and Key note address in a “State Level seminar On Cellular Automata”, Organized by Department of Mathematics, Sadakathullah Appa College, Palaymkottai, on March 1, 2013.
6. Optimization Techniques, UGC state level seminar on Recent trends in Application of Mathematics, PG and Research Department of Mathematics, Periyar EVR College, Tiruchirappalli, September 23-24, 2014.
7. Resource Person – “One Day U.G.C Sponsored Seminar” by PG Department of Mathematics, The New College on 29.01.2015.
8. Resource Person – A One Day Orientation Programme for Staff on “Implementation of Autonomy Programme – An Introspection Conducted by IQAC, Hajee Karutha Rowthar Howdia College, Uthamapalayam on 29<sup>th</sup> Aug 2015.
9. Optimization in Operation Research, PG and Research Department of Mathematics, Srimad Andavan College of Arts and Science, Tiruchirappalli-05, September 22, 2015.
10. Chair Person, Heber International Conference on Applications of Actuarial Science, Mathematics, Management and Computer Science, PG and Research Department of Mathematics, Bishop Heber College, Tiruchirappalli, November 28-30, 2016.

11. Chief Guest – Master Mind 2018 – 07.02.2018.
12. Chief Guest – Alumni Get-together, Sadakathullah Appa College, Tirunelveli on 24<sup>th</sup> February 2018.
13. Inaugural Address in the International Seminar organised by PG and Research Department of Mathematics, Holy Cross College, Trichy on 18<sup>th</sup> December 2018.
14. Chief Guest – Annual Day Celebration of Alhudha Group of Institutions, Trichy on 26.01.2019.
15. Inaugural Address in the National Level Inter-Collegiate Meet organised by Department of Commerce, Christu Raj College, Trichy on 06.02.2019.

**20. Membership in Academic Bodies:**

*Life member in Operational Research Society of India*

**21. Orientation/Refresher courses attended:**

- 29.04.1993 to 26.05.1993, Academic Staff College, Pondicherry. (Orientation).
- 10.02.1994 to 09.03.1994, Academic Staff College, Trichy, (Refresher).
- 04.03.1998 to 31.03.1998, Academic Staff College, Trichy, (Refresher).

**22. Study Materials / Books written & Published:**

*Study Material written:*

*B.Sc., Mathematics - OPERATIONS RESEARCH*

*B.Sc. – Computer Computer Science - OPERATIONS RESEARCH*

*MCA - DISCRETE MATHEMATICS*

*Books Published:*

*Dr. S.IsmailMohideen, “A Textbook of Network Optimization Problems”, Golden Publishers, Trichy, 2011.*

*Dr. S.IsmailMohideen, A. Mohamed Ismayil and A.Prasanna, “Business Mathematics and Statistics”, Raja Publications, Trichy-20, 2012.*

**23. Awards :**

- ❖ Award of Excellence by Association of Muslim Professionals, Mumbai.
- ❖ Dr. A.P.J. Abdul Kalam Achievement Award by Uyir Kakkum Karangal, Trichy.

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