

RESUME



1. Name : **A.MOHAMED ISMAYIL**
2. Sex : *Male*
3. Designation : *ASSOCIATE PROFESSOR IN MATHEMATICS*
4. Date of Birth : *04-06-1973*
5. Address:

Residential

*Abdul Rahim Manzil
63 TSN Avenue
Airport
Tiruchirappalli – 620 007
Tamil Nadu, India.*

Office

*P.G & Research Department of Mathematics
Jamal Mohamed College (Autonomous)
Tiruchirappalli – 620 020
Tamil Nadu
India.
Tel: 0431 2331235*

6. Educational Qualifications :

	Examination Passed	Year
Master's Degree	M.Sc., (Mathematics)	1996
Research degree	M.Phil.,(Mathematics)	2003
Any other degree	PGDCA	1996

State Level Eligibility Test (SLET) 1999

7. Experience:

*Under Graduate: 16 Years
Post Graduate: 14 Years
M.Phil.: 9 Years*

8. Language known: *Tamil and English*
9. Area of Specialization: *Graph, Fuzzy Graph and Intuitionistic Fuzzy Graph Theory*

10. Subjects Taught :

Under Graduate:

- 1. Mechanics*
- 2. Allied Mathematics*

Post Graduate:

- 1. Differential Geometry*
- 2. Functional Analysis*

M.Phil.:

- 1. Functional Analysis*
- 2. MATLAB*

11. Research Supervision:

M.Phil Degree – Dissertation Completed – 25

Pursuing – 3

(List given in Annexure- I)

12. Conference / Seminar attended without Presenting Papers:

- 1. UGC Sponsored State Level Seminar On “Mathematical Methods In Social Sciences”, on 8th And 9th September 2004, At Jamal Mohamed College, Trichy.*
- 2. UGC Sponsored National Seminar On “Mathematical Modelling To Social And Managerial Problems” On 24th And 25th September 2004 At ADM College For Women, Nagapattinam*
- 3. 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.*

4. Participated in the UGC Sponsored one day State Level Seminar on Recent Trends in IT, Organized by UGC-Academic Staff College, Bharathidasan University, Conducted at Jamal Mohamed College, (Autonomous), Tiruchirappalli-20, during 2 - 4 March 2006.
5. DST-FIST, UGC Sponsored Workshop On Matlab Organized By Department Of Mathematics And Offered By The Cranes Software International Limited Bangalore On 22nd February 2008 At Bishop Heber College, Trichy.
6. 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.
7. 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.
8. UGC sponsored state level seminar on **Examination Reforms**, Organized by Jamal Mohamed College, Tiruchirappalli, March 12, 2010.
9. International workshop on **Graph coloring and its Application** Sponsored by DST, NBHM and CSIR Organized by Bharathidasan University, Tiruchirappalli, August 7-9, 2010.
10. A Seminar on **Creating Competitiveness to excel in higher education – a TQM approach** organized by IQAC, Jamal Mohamed College, Trichy, on Dec-8, 2010.
11. Workshop on **LATEX**, organized by ISTE Chapter and Department of I.T, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on November 15, 2011
12. Diamond Jubilee Celebrations Workshop on **Mathematical Modelling** Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20, under Autonomous grant from January 19 to 25, 2011

13. Paper Presented in Seminars / Conferences :

1. *“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.*
2. *“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.*
3. *“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.*
4. *“Perfect and Complete Matching in a Fuzzy Graph” At National Seminar on Fuzzy Mathematics and its Applications, School of Mathematics, Alagappa University, Karaikudi, March 09, 2009.*
5. *“Neighbourhood Number of a Fuzzy Graph”, At UGC sponsored National Seminar on Application Of Algebra, Department of Mathematics, National College, Tiruchirappalli.*
6. *Neighborhood number of a fuzzy graph, National Seminar on Application of Algebra and Number Theory, National College, Tiruchirappalli, Dec.4-5, 2009.*
7. *Neighborhood critical vertex in an M-strong fuzzy graph, UGC Sponsored one day national Seminar on Application of Mathematics(Autonomous grand), Jamal Mohamed College, Feb. 22, 2012.*

8. Different neighborhood numbers in an M-strong fuzzy graph, Heber International Conference on Application of Mathematics and Statistics, Bishop heber College, Tiruchirappalli, 5-7 Jan, 2012.
9. Critical neighbourhood edge in an M-strong fuzzy graph, UGC Autonomous Funded international conference on Mathematics and its applications, Islamia college, Vaniyambadi, Aug. 29, 2012.
10. M-domination in an M-strong fuzzy graph, UGC Autonomous Funded international conference on Discrete Mathematics and its application, Mar. 9, 2013.
11. Complementary Nil Domination in a fuzzy graph, International Conference on Mathematical Methods and Computing, 13-14 Feb. 2014

14. Publications :

1. 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.
2. S. Ismail Mohideen and A. Mohamed Ismayil, *The vertex neighborhood number of a fuzzy graph*, *Int. Jour. Mathematics Research*, vol.2, Number 3(2010), pp. 71-76
3. S. Ismail Mohideen and A. Mohamed Ismayil, *Domination in fuzzy graph: a new approach*, *Int. Jour. Of Computational Science and Math.* Vol. 2, Number 3 (Dec.2010), pp. 101-107.
4. S. Ismail Mohideen and A. Mohamed Ismayil, *The edge neighborhood number of an M-strong fuzzy graph*, *Advances in Fuzzy sets and Systems*, accepted.
5. Ismail Mohideen, S and Mohamed Ismayil, A, Independent, perfect and connected neighborhood number of an M-strong fuzzy graph, *Discrete Mathematics, Elixir Dis. Math.* 41(2011) pp:5816-5820.
6. Ismail Mohideen, S and Mohamed Ismayil, A, Neighborhood critical edges of an M-strong fuzzy graph, *International Journal of Scientific and Engineering Research*, Vol.3, issue 11, Nov.2012, pp:47-51.
7. Ismail Mohideen, S and Mohamed Ismayil, A, Neighborhood critical vertices of an M-strong fuzzy graph, *Advances in Fuzzy Mathematics*, Vol.8, No.1, (2013), pp:35-39.

8. Mohamed Ismayil,A, and Ismail Mohideen,S, Complementary nil domination in a fuzzy graph, Annals of Fuzzy Mathematics and Informatics, Vol.8, No.5(Nov.2014),pp. 785-792.
9. Mohamed Ismayil. A and Mohamed Ali.A, On Strong Interval-Valued Intuitionistic Fuzzy Graph, Int. Jour. Of Fuzzy Mathematics and Systems, Vol.4, No.2(2014), pp. 161-168.
10. Mohamed Ismayil. A and Mohamed Ali.A, On Complete interval-valued Intuitionistic fuzzy graph, Advances in Fuzzy sets and Systems, Vol.18, No.1,Sept.2014, pp. 71-86.
11. Mohamed Ismayil,A, and Ismail Mohideen,S, Mixed Domination in an M-strong fuzzy graph, accepted to publication in Malaya Journal of Matematik.

15. Membership in Autonomous Programme:
Member- Board of studies, Department of Mathematics June 2004 – Till date
Member – Autonomous Examination Committee

16. Orientation/Refresher courses attended:
 1. *UGC Sponsored orientation course from 16-08-2002 to 12-09-2002 and Obtained the grade 'a' at UGC Academic Staff College, Bharathidasan University, Trichy*

 2. *UGC Sponsored Refresher Course In Applicable Mathematics from 05-11-2003 to 25-11-2003 at obtained the grade 'a' at ugc refresher course centre, Gandhigram Rural institute Deemed University, trichy.*

 3. *UGC Sponsored Refresher Course In Mathematical Sciences From 22-11-2007 To 12-11-2007 And Obtained The Grade 'A' At Ugc Academic Staff College, Bharathidasan University Trichy*

 4. *UGC sponsored refresher course in mathematical modeling and advanced computing from 22-1-2010 to 11-2-2010 and obtained grade 'a' at ugc academic staff college, Madurai Kamaraj University, Madurai.*

17. Study Materials / Books written & Published:

Study Material written:

1. *Classical and Fluid Mechanics* for Bharathidasan University –Center for Distance Education.
2. *Business Mathematics(English)* for Bharathidasan University –Center for Distance Education.
3. *Business Mathematics(Tamil)* for Bharathidasan University –Center for Distance Education.
4. *Business Mathematics and Statistics – Dr. Ismail Mohideen, A. Mohamed Ismayil and A. Prasanna-Raja Publication, Trichy(Dec. 2013) ISBN:978-93-80243-84-9.*

(A. MOHAMED ISMAYIL)

ANNEXURE I

SI. No.	Register No.	Name of the Student	Year of submission	Project Title
1.	06CD 30691	A.BRINDHA	Aug. 2007	A Gradient Pivotal Solution Algorithm
2.	06CD 30753	R.THILAGAVATHI	Aug. 2007	Graphoidal Covering Number of a Graph
3.	06CD 30744	M.SUBHASREE	Aug. 2007	Push and Pull Algorithm
4.	06MFMA18	A.PADMA	Aug. 2007	A Study on variational inequalities
5.	A656301	M.SULTHANA RAJIA	Sep. 2007	Post-Optimal Analysis
4.	07MFM11	G.PARVATHY	Aug. 2008	Graceful and Nearly Graceful Labeling of some standard Graphs
6.	07MFM22	H.SHAGITHA PARVEEN	Aug. 2008	A Study on Fuzzy Metric Spaces
7.	08MFM06	M.MOHAMED RIYAZUDEEN	Aug. 2009	Bondage Number and Efficient Domination of Vertex Transitive Graph
8.	08UFM23	A.SATHYA	Aug. 2009	Odd and Even Super Edge Magic Graph
9.	09UFM06	P.SUDHA	FEB. 2011	(T1,T2)* SG Continuous MAPPS in a Bitopological spaces.
10	09MFMA08	K.RAJIV GANDHI	Aug. 2010	A study on total domination in complements of graphs containing no $K_{4,4}$ and least domination in tree
11.	09MFMA17	S. SHAMIRA BEGUM	Aug. 2010	A study on Roman domination in graphs
12.	09MFMA26	K. MALATHI	Aug. 2010	A study on M-normed fuzzy matrices
13.	10MFMA05	T.DINESH KUMAR	Aug. 2011	A Study on vertex magic Total Labeling Graphs
14.	10MFMA14	K.RAJENDRAN	Aug. 2011	A Study on Distance domination in Graphs.
15.	10MFMA31	A.NAFIUNISHA	Aug. 2011	A Study on M strong, product and M strong product Fuzzy Graphs
16.	10MPMA14	A.VINOTH	-	A study on Weak and Strong Domination in a Graph.
17.	11MPFMA037	S. SAHISTHA BANU	Aug. 2012	A Study on Semi total and Total Block graph of a graph.

18.	11MPFMA038	S.SAMEERA FARHATH	Aug. 2012	A Study on Global domination Number, Global set domination number and Total global domination number.
19.	11MPFMA043	M. THAHIRA BANU	Aug. 2012	A Study on α - Domination
20.	12MPFMA020	R. AARTHEE	Aug. 2013	Domination in product Intuitionistic fuzzy graph
21.	12MPFMA021	S. AMEENA BANU	Aug. 2013	Vertex-colouring edge-weights of garphs
22.	12MPFMA029	K.S. KANSUL FATHIMA	Aug. 2013	Different Domination number in graph.
23.	13MPFMA013	M.A. RIFAYATHALI	Aug. 2014	A Study on fuzzy sub group and fuzzy ideal of a ring.
24.	13MPFMA015	G. VINOTH	Aug. 2014	A Study on complement isomorphism for fuzzygraph.
25.	13MPFMA032	A.S. TAMILSELVI	Aug. 2014	A Study on Domatic number of Regular and planar graph.