

**Jamal Mohamed College (Autonomous), Tiruchirappalli – 20
Resume (as on 15.09.2023)**

Post Graduate and Research Department of Mathematics (SF)



1. Name : Dr. S. Shajitha Begum
2. Sex : Female
3. Designation : Associate Professor of Mathematics
4. Address :

Residence

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E.Pudur, Trichy – 620 012.

Office

Jamal Mohamed College (Autonomous)
Race Course Road, TVS Tolgate
Trichy – 20.

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5. Educational qualifications:

Examination Passed:	Year
B.Sc.	1995
M.Sc.	2000
M.Phil.	2002
PGDCA	2009
Ph.D.	2016
SET	

Certificate course in Oracle , Visual Basic and Power Builder.
Certificate Course in Advanced Java.

6. Experience:

Under graduate : 19 years
Post graduate : 18 years
M. Phil. : 15 years

7. Languages known : Tamil, English, Hindi, Urdu

8. Areas of Specialization : Intuitionistic Fuzzy Graphs

9. Subjects Taught :

Under Graduate : Graph Theory, Mathematical Statistics,
C Programming, Algebra, MATLab, SPSS

Post Graduate : Graph Theory, Statistical Inference and
Stochastic Processes, C++ Programming,
Fuzzy Analysis and its applications.

M.Phil. : Research Methodology, Algebraic Topology

10. Research Supervision :

M. Phil. Degree - Completed 15

11. Seminars / Conferences / Workshops Attended:

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 State level seminar on “Mathematical methods & Fuzzy Applications”, Jamal Mohamed College (Autonomous), Tiruchirappalli, 27th February 2006.
3. TANSHE and UGC sponsored three day workshop on Curriculum Development and Evaluation organized by UGC academic staff college, Bharathidasan University at Jamal Mohamed College from 02.03.2006 – 04.03.2006.

4. State Level Seminar on Computer Oriented Mathematical Techniques 2007, Shrimati Indira Gandhi College, Tiruchirappalli, Tamilnadu, 10 & 11 August, 2007.
5. National Conference on “Fuzzy Mathematics & Graph Theory”, Jamal Mohamed College (Autonomous), Tiruchirappalli, 27th 28th March 2008
6. Five Days workshop on “Software Tools”, Jamal Mohamed College (Autonomous), Tiruchirappalli, from 28.02.2009 to 04.03.2009.
7. UGC Sponsored International Conference on “Mathematical Methods and Computation”, Jamal Mohamed College (Autonomous), Tiruchirappalli, 24th & 25th July 2009.
8. NAAC sponsored National level seminar on “Quality enhancement in Teaching, Research and Extension in Higher Education Institutions – Prospects and Problems”, Jamal Mohamed College, Trichy, April 15-16, 2010.
9. Seminar on “Creating Competitiveness to excel in Higher education” organized by IQAC, Jamal Mohamed College on 08.12.2010
10. Workshop on Mathematical Modeling organized by PG and Research Department of Mathematics, Jamal Mohamed College, Trichy between 19th to 25th January 2011.
11. UGC Sponsored One Day National Seminar on “Applications of Mathematics”, Jamal Mohamed College, Trichy, 22nd February 2012.
12. UGC Sponsored National Seminar on “Examination Reforms”, Jamal Mohamed College, Trichy, 24th February 2012.
13. UGC Sponsored one day seminar on “Teaching, Learning and Research in Higher Education-Excellence and beyond excellence”, Jamal Mohamed College, Trichy, 07th March 2012.
14. Workshop on Leadership Training organized by Jamal Mohamed College on 25.02.2013.
15. A four day Workshop on “Latex and SPSS” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, from 26.09.2014 to 01.10.2014.
16. International Conference on “Mathematical Methods and Computation(ICOMAC 2015)” organized by PG & Research

- Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 22.01.2015 & 23.01.2015.
17. One day Workshop on “The Role of a Teacher in the Present Scenario” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 03.12.2016.
 18. Three day NLP-Based Faculty Empowerment Programme organized by IQAC, Jamal Mohamed College on 17th, 19th and 20.06.2017.
 19. One day workshop on Writing Winnable Project Proposals organized by IQAC, Jamal Mohamed College on 17th, 19th and 23.06.2018.
 20. UGC CPE Sponsored two day Workshop on “Professional Development for Academic Leadership in Curriculum Design” organized by Curriculum Development Cell, Jamal Mohamed College(Autonomous), Trichy, on 18.01.2019 & 19.01.2019.
 21. National Colloquium on Draft National Educational Policy 2019 at St. Joseph College, Trichy on 25th July 2019.
 22. Staff Enrichment Programme on Ownership Culture, organized by IQAC, Jamal Mohamed College on 14th June 2019.
 23. Judge in the event NUTRI QUIZ during National Nutrition week Celebration Nutrizone 19 organized by Association of Nutrition and Dietetics and B.Voc. Food Processing and Safety, Jamal Mohamed College (Autonomous), Trichy on 03.09.2019.
 24. One day workshop on Algebra and its applications at PG and Research Department of Mathematics, held on 28.09.2019.
 25. International Workshop on Python Programming organized by the PG & Research Department of Mathematics, Jamal Mohamed College, Trichy on 18.02.2020
 26. A three day workshop of Fundamentals of Probability Theory and Detection Estimation Theory organized by the Department of Mathematics with Pentagram Technologies, India and Pentagram Research UK Ltd., Birmingham, UK from 06.10.2022 to 08.10.2022.

12.List of Papers presented in National and International Conferences

1. Presented a paper entitled “Degrees, Order and Size in Intuitionistic Fuzzy Graphs” in the one day National level Seminar on ‘Graph theory, Algorithms and Modelling’ held at Jamal Mohamed College, Trichy, 19 March 2010.
2. Presented a paper entitled “Status in Intuitionistic Fuzzy Graphs” in the ‘International Conference on emerging trends in Mathematics and Computer Applications’ held at Mepco Schlenk Engineering College, Sivakasi, December 16 – 18, 2010.
3. Presented a paper entitled “Busy Nodes and Free Nodes in Intuitionistic Fuzzy Graphs” in the National Conference on ‘Recent Developments in Mathematics and its Applications’ NCRDMA – 2011 held at SRM University, Chennai, 31 January – 1 February, 2011.
4. Presented a paper entitled “On Antipodal Intuitionistic Fuzzy Graphs” in the International Conference on Heber International Conference on Applications of Mathematics and Statistics, Bishop Heber College, Trichy, January 5-7, 2012.
5. Presented a paper entitled “Predecessor and Successor in Fuzzy Graphs” in the National Conference in Holy Cross College, Trichy 2013.
6. Presented a paper entitled “Labeling in Fuzzy Graphs” in the National Conference in Holy Cross College, Trichy 2013.
7. Presented a paper entitled “On Duplicate Intuitionistic Fuzzy Graphs” in the UGC Sponsored National Conference on “Graph Theory, Fuzzy Graph Theory and their Applications” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 10.02.2016 & 11.02.2016.

13.List of Publications in National and International Journals

1. Nagoor Gani, A. and Shajitha Begum, S., Degree, Order and Size in Intuitionistic Fuzzy Graphs, “International Journal of Algorithms, Computing and Mathematics”, Vol. 3, No.3, p.11-16, 2010.

2. Nagoor Gani, A. and Shajitha Begum, S., Status in Intuitionistic Fuzzy Graphs, Proceedings of “International Conference on emerging trends in Mathematics and Computer Applications” December 16 – 18, 2010.
3. Nagoor Gani, A. and Shajitha Begum, S., Busy Nodes and Free Nodes in Intuitionistic Fuzzy Graphs, Proceedings of the National Conference on “Recent Developments in Mathematics and its Applications” NCRDMA – 2011, 31 January – 1 February, 2011.
4. Nagoor Gani, A. and Shajitha Begum, S., Busy Nodes and Free Nodes in Intuitionistic Fuzzy Graphs, “CiiT International Journal of Fuzzy Systems”, Vol. 3, No 3, April 2011.
5. Nagoor Gani, A. and Shajitha Begum, S., Isomorphism properties on Strong Intuitionistic Fuzzy Graphs, “International Journal of Ultrascientist of Physical Sciences”, Volume 3, December, 2011.
6. Nagoor Gani, A. and Shajitha Begum, S., Perfect Intuitionistic Fuzzy Graphs, “Bulletin of Pure and Applied Sciences”, Vol. 30, 2011
7. Nagoor Gani, A. and Shajitha Begum, S., On Antipodal Intuitionistic Fuzzy Graphs, Proceedings of “Heber International Conference on Applications of Mathematics and Statistics” January 5 – 7, 2012.
8. Nagoor Gani, A., Shajitha Begum, S., and Dhanalakshmi, R., Domination in Intuitionistic Fuzzy Graphs, Proceedings of “Heber International Conference on Applications of Mathematics and Statistics” January 5 – 7, 2012.
9. Ponnammal, K., Shajitha Begum, S., On Duplicate Intuitionistic Fuzzy graphs, “Jamal Academic Research Journal – An interdisciplinary Special Issue”, 131-134, 2016.
10. Nandhini S, Shajitha Begum. S., Sanjay M, Routing Algorithm for Fastest Path – a Queuing Approach, International Journal of Engineering & Technology, 7 (4.10) , 753-754, 2018.
11. Shajitha Begum, S., and Nandhini, S., Fuzzy conservative and fuzzy strongy conservative labeling, “International Journal of Civil Engineering and Technoogy” 9(13)859-863, 2018.
12. Nandhini, S., Shajitha Begum, S., and B. Arun Subramanian, A statistical exploration on effects of anxiety faced by engineering students, “International Journal of Advanced Science and Technology”, Vol. 28, 2019.

14.Resource Person:

1. One day Seminar in Holy Cross College on topic “Intuitionistic Fuzzy Graphs” on 09.04.2012.
2. Chairperson in the National Conference on Emerging Trends in Engineering Mathematics organized by Department of Science and Humanities, M. Kumarasamy College of Engineering, Karur on 05.04.2013.
3. Executive Committee Member in the International Conference on Mathematical Methods and Computation 2017 organized by PG and Research Department of Mathematics, Jamal Mohamed College on 11th December 2017.
4. Executive Committee Member in the International Conference on Mathematical Methods and Computation 2019 organized by PG and Research Department of Mathematics, Jamal Mohamed College on 20th and 21st February 2019.
5. Judge for the event MIME of COM FEMME – 2k19, a state level Inter Collegiate Commerce Meet on 01.03.2019.
6. Judge in the event NUTRI QUIZ during National Nutrition Week Celebration Nutrizone 19 organized by Association of Nutrition and Dietetics and B.Voc. Food Processign and Safety, Jamal Mohamed College (Autonomous), held on 03.09. 2019.
7. Organizer in one day workshop on Algebra and its applications at PG and Research Department of Mathematics, held on 28.09.2019.
8. Judge in the event Rangoli in the “World Cotton day Celebrations” organized by PG Department of Fashion Technology and Costume Designing, Jamal Mohamed College (Autonomous), held on 14.10. 2019.
9. Organizer in Two days Intra Departmental Competition by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), held on 21 & 22.01. 2020.
- 10.Jury in the event MATH ENTREPRENEUR in the “Math O Vision” organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), held on 22.01. 2020.
- 11.Executive Committee Member in the International Conference on Mathematical Methods and Computation 2020 organized by PG and Research Department of Mathematics, Jamal Mohamed College on 19.02.2020.

12. Jury in the event Science Model Exhibition on the National Science Day Celebrations 2022, Jamal Mohamed College, Trichy from 25.02.2022 to 28.02.2022.
13. Judge in the event Talenta in the CHEM-FIESTA 2022 – Interdepartmental Science Extravaganza organized by Department of Chemistry, Jamal Mohamed College, Trichy on 15th and 16th March 2022.
14. Executive Member in organizing a three days Intra Departmental Competition organized by PG and Research Department of Mathematics (Women) from 17.5.2022 to 19.05.2022.

15. Details of Other Positions:

Programme Officer, Youth Red Cross, JMC, 2008-2015.

Programme Officer, Consumer Club, JMC, 2008-2015.

Dean of Science, SF Women, JMC, Dec 2017- Apr 2022.

Member, Sports Development Committee & Fitness Club

Member In-charge, Mathematics Department (SF Women) June 2023 – Till date