

Jamal Mohamed College (Autonomous), Tiruchirappalli – 20
Resume (as on 01.04.2023)

1. Name : S. Sharmila Banu
2. Sex : Female
3. Date of Birth : 14.07.1987
4. Designation : Assistant Professor
5. Date of Entry in the Service :
Assistant Professor in Mathematics (SF) from 14-06-2011 at Jamal Mohamed College, Tiruchirappalli - 620020, Tamilnadu
6. Address :

Residence	Office
25/7second floor, Samaspiran Street, Trichy – 8.	Jamal Mohamed College(Autonomous) Race Course Road, TVS Tollgate, Trichy – 20.

Email : sharmilasheik0408@gmail.com
Mobile : 9942072519
7. Educational qualifications :

S.No.	Examination Passed	University / College	Year of Passing
1.	B.Sc., (Mathematics)	Jamal Mohamed College, Trichy.	2008
2.	M.Sc.,(Mathematics)	Jamal Mohamed College, Trichy.	2010
3.	M.Phil., (Mathematics)	Jamal Mohamed College, Trichy.	2011

8. Languages known : Tamil, English.
9. Teaching Experience : Under Graduate 10 years
Post Graduate 10 years
10. Area of specialization : Fuzzy Optimization Techniques

11. Subjects Taught:

Undergraduate: Mathematical Statistics
Numerical Methods
Vector Analysis
SPSS
Postgraduate : Classical Dynamics
Numerical Analysis
Fluid Dynamics
Operations Research

12. Seminars / Conferences / Workshops Attended:

- ❖ Workshop on Mathematical Modeling held at Jamal Mohamed College (Autonomous), Tiruchirappalli-20 from 19th to 25th January 2011.
- ❖ U.G.C sponsored one day national seminar on Applications of Mathematics held at Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 22nd February 2012.
- ❖ National seminar on Examination Reforms held at Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 24th February 2012.
- ❖ One day seminar on Internal Quality Assurance Cell held at Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 7th March 2012.
- ❖ U.G.C sponsored one day national seminar on Discrete Mathematics and its Applications held at Jamal Mohamed College (Autonomous), Tiruchirappalli-20 on 09th March 2013.
- ❖ International Conference on Mathematical Methods and Computation (ICOMAC 2014), held at Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 13th & 14th February 2014.
- ❖ One day workshop on Data Analysis using SPSS held at Bharathidasan University, Tiruchirappalli on 6th January 2014.
- ❖ International Conference on Mathematical Methods and Computation (ICOMAC 2015), held at Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 22nd & 23rd January 2015.
- ❖ UGC and RMS sponsored National Conference on Graph Theory and Operations Research held at Holy Cross College (Autonomous), Tiruchirappalli on 4th March 2014.
- ❖ A Four day Workshop on LATEX and SPSS held at Jamal Mohamed College (Autonomous), Tiruchirappalli-20 from 20.09.2014 to 25.09.2014.
- ❖ Two days International Conference on Mathematical methods and computation, Jamal Mohamed College (Autonomous), Trichy, 22nd & 23rd January 2015.
- ❖ One Day workshop on “The Role of a Teacher in the present Scenario”, Jamal Mohamed College (Autonomous), Tiruchirappalli, 03.12.2016.
- ❖ UGC Sponsored Two days Workshop on “Professional Development for academic leadership in curriculum design”, Jamal Mohamed College, Trichy, 18th & 19th January 2019.
- ❖ Two days International Conference on Mathematical methods and computation, Jamal Mohamed College (Autonomous), Trichy, 20th & 21st February 2019.
- ❖ One day Staff enrichment programme on ownership culture organized by IQAC, Jamal Mohamed College (Autonomous), Trichy, 14th June 2019.

- ❖ One Day workshop on “Algebra and its Applications”, Jamal Mohamed College (Autonomous), Tiruchirappalli, 28.09.2019.
- ❖ Two days International Workshop on Python Programming, Jamal Mohamed College (Autonomous), Trichy, 18th & 19th February 2020.
- ❖ International conference on Applied science mathematics and Statistics”, Kongunadu college of Engineering & Technology, April 09 , 2021
- ❖ Two days International Conference on “ Advances in Science, Engineering and Management (ICASEM)”, Lords Institute of Engineering and Technology, Hyderabad, Telangana, India 18th & 19th November ,2022
- ❖ Two days International Conference on “Mathematical Methods and Computation (ICOMAC 2022)”, Jamal Mohamed College, Trichy, 21st and 22nd December 2022.
- ❖ Two Days Science Academies’ Lecture Workshop on “Differential Equations and Their Applications in Mathematical Modelling” Jamal Mohamed College, Trichy, 6th and 7th January 2023.
- ❖ Three days International Conference on “ Discrete Mathematics and Mathematical Modelling in Digital ERA (ICDM³DE – 2023)”, The Gandhigram Rural Institute – Deemed to be University, Dindigul, Tamilnadu, India . 23rd – 25th March 2023.

13. Faculty Development Programme Attended

- ❖ International online FDP on “Recent Trends in Mathematics” SNS College of Technology (Autonomous), Coimbatore, 02.06.2020 – 05.06.2020
- ❖ Online FDP in “Pure and Applied Mathematics”, Jamal Mohamed College (Autonomous), Trichy –20, 11.06.2020 – 17.06.2020.
- ❖ Online FDP on “E-Content Development”, Jamal Mohamed College (Autonomous), Trichy-20, 30.06.2020 - 04.07.2020
- ❖ Five Days Online International FDP on “New Epoch on Software Learning”, Holy Cross College (Autonomous), Trichy, 16.08.2021- 20.08.2021.

14. List of Papers presented in National and International Conferences

- ❖ Presented a paper entitled “ Intuitionistic Fuzzy second minimum spanning tree for solving Transportation Problem with Optimal solution” in the International conference on Applied science mathematics and Statistics” , Kongunadu college of Engineering & Technology, April 09 , 2021 .
- ❖ Presented a paper entitled “ To solve fuzzy Assignment problem using bipartite graph with optimal solution”, in the International Conference on “ Advances in Science, Engineering and Management (ICASEM)”, Lords Institute of Engineering and Technology, Hyderabad, Telangana, India 18th & 19th November .
- ❖ Presented a paper entitled “ A Study On Fundamental of Hexagonal fuzzy transportation problem with optimal solution”, in the International Conference on “ Advances in Science, Engineering and Management (ICASEM)”, Lords

Institute of Engineering and Technology, Hyderabad, Telangana, India 18th & 19th November .

- ❖ Presented a paper entitled “ To Solve Pythagorean Fuzzy Transportation Problem Using Bipartite Graph with Optimal Solution” , in the International Conference on “ Discrete Mathematics and Mathematical Modelling in Digital ERA (ICDM³DE – 2023)”, The Gandhigram Rural Institute – Deemed to be University, Dindigul, Tamilnadu, India . 23rd – 25th March 2023.
- ❖ Presented a paper entitled “ To Solve Fuzzy Congruence Modulo Transportation Problem Using Bipartite Graph with Optimal Solution” , in the International Conference on “ Discrete Mathematics and Mathematical Modelling in Digital ERA (ICDM³DE – 2023)”, The Gandhigram Rural Institute – Deemed to be University, Dindigul, Tamilnadu, India . 23rd – 25th March 2023.

15. List of Publications in National and International Journals

- ❖ Prasanna .A, Sharmila Banu .S, and Ismail Mohideen .S “ Second small value for solving fuzzy transportation problem with optimal solution “volume 7, 2020.
- ❖ Prasanna .A, Sharmila Banu .S, and Ismail Mohideen .S “ Fuzzy Optimal Assignment Problem by zero suffix method using Arithmetic Mean Ranking Technique “ volume 7 , 2020.
- ❖ Prasanna .A, Sharmila Banu .S, and Ismail Mohideen .S “Intuitionistic Fuzzy second minimum spanning tree for solving Transportation Problem with Optimal solution” advances in Mechanics , Volume 9 , Issue 3,2021,p 1016-1026

16. Details of Online Certification Course Completed

8 weeks Online NPTEL – AICTE Faculty Development Programme on “Operations Research” on the SWAYAM platform during Jan – Apr 2020.

17. Details of Other Position

- ❖ Sports House Incharge, Department of Mathematics (SF-Women), JMC, 2015 onwards
- ❖ Curriculum Development Cell , Department of Mathematics (SF-Women), JMC, 2020 onwards
- ❖ Department Library Incharge, Department of Mathematics (SF-Women), JMC, 2021 onwards