

**Jamal Mohamed College (Autonomous) Tiruchirappalli -20.**

**Resume (as on 15.09.2023)**

**Post Graduate and Research Department of Mathematics (SF)**

1. Name : **J. SARTHAJ BANU**  
2. Gender : Female  
3. Designation : Assistant Professor  
4. Date of Birth : 25-05-1989  
5. Address :

**Residential**

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**Educational Qualifications :**

	Examination Passed	Year
Bachelor's Degree	B.Sc., (Mathematics)	2009
Master's Degree	M.Sc., (Mathematics)	2012
Research degree	M.Phil.,( Mathematics)	2013

7. Experience :

Under Graduate: 9 years

Post Graduate : 8 years

8. Languages Known : Tamil, English, Urdu

9. Area of Specialization : Fuzzy Graph Theory

10. Subjects taught :

Under Graduate:

1. Differential equations
2. Laplace transform and Fourier series
3. Differential Calculus and Trigonometry
4. Mathematical statistics
5. Sequences and Series
6. Real analysis
7. Complex Analysis

Post Graduate :

1. Real analysis
2. Stochastic process
3. Advanced operations research.
4. Complex Analysis

11. Conference / Seminar attended without presenting papers:

1. UGC Sponsored One Day National Seminar on “Applications of Mathematics”, Jamal Mohamed College, Trichy, 22nd February 2012.
2. UGC Sponsored one day National Seminar on “Discrete Mathematics and its applications”, Jamal Mohamed College, Trichy, 09th March 2013.
3. UGC Sponsored Two days National conference on “Graph Theory, Fuzzy Graph Theory and their Applications”, Jamal Mohamed College(Autonomous), Trichy, 10th & 11th February 2016.
4. One Day workshop on “The Role of a Teacher in the present Scenario”, Jamal Mohamed College(Autonomous), Tiruchirappalli, 03.12.2016.
5. One day International Conference on Mathematical methods and computation, Jamal Mohamed College(Autonomous), Trichy, 11<sup>th</sup> December 2017.
6. One day Orientation programme on “ Soft Skill Development” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 22<sup>nd</sup> June 2018.

7. One day work on “ Improving teaching practices – A Strategic Approach” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 23<sup>nd</sup> June 2018.
8. UGC Sponsored Two days Workshop on “Professional Development for academic leadership in curriculum design”, Jamal Mohamed College, Trichy, 18th & 19<sup>th</sup> January 2019.
9. Two days International Conference on Mathematical methods and computation, Jamal Mohamed College(Autonomous), Trichy, 20<sup>th</sup> & 21<sup>st</sup> February 2019.
10. One day Staff enrichment programme on ownership culture organized by ICOMAC, Jamal Mohamed College(Autonomous), Trichy, 14<sup>th</sup> June 2019.
11. One Day workshop on “Algebra and its Applications”, Jamal Mohamed College(Autonomous), Tiruchirappalli, 28.09.2019.
12. One day Orientation programme on “MOOC’s and e- Learning” organized by Department of Library, Jamal Mohamed College(Autonomous), Trichy, on 29<sup>th</sup> January 2020.
13. one day International Conference on Mathematical methods and computation, Jamal Mohamed College(Autonomous), Trichy, 18<sup>th</sup> February 2020
14. one day International Workshop on Python Programming, Jamal Mohamed College(Autonomous), Trichy, 19<sup>th</sup> February 2020.
15. International Conference on “Mathematical Methods and Computation” organized by the P.G. & Research Department of Mathematics, Jamal Mohamed College, Trichy on 19<sup>th</sup> February 2020.
16. A 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”, organized by the Teaching Learning Centre, Ramanujan College, University of Delhi from 20<sup>th</sup> December 2021 to 19<sup>th</sup> January 2022.
17. Two Week Online International Faculty Development Programme on “Current Trends in Applications of Mathematics”., Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-62 from 21-09-2022 to 04-10-2022.
18. Two days International Conference on “Mathematical Methods and Computation (ICOMAC 2022)”, Jamal Mohamed College, Trichy, 21<sup>st</sup> and 22<sup>nd</sup> December 2022.0020
19. One Day International Workshop on “Big Data Analytics using Distributed Computing”, Jamal Mohamed College, Trichy, 23<sup>rd</sup> December 2022.

## **12.Organizing Seminars/workshops/Comptitions :**

1. Organizing Two days intra- departmental competition “MATH - O – VISION” held on 10<sup>th</sup> and 11<sup>th</sup> January 2019, PG and Research Department of Mathematics , Jamal Mohamed College(Autonomous), Trichy.
2. Organizing one day workshop on Algebra and its Applications” held on 28<sup>th</sup> September 2019, PG and Research Department of Mathematics , Jamal Mohamed College(Autonomous), Trichy.
3. Organizing Two days intra- departmental competition “MATH - O – VISION” on 21<sup>th</sup> and 22<sup>th</sup> January 2020, PG and Research Department of Mathematics , Jamal Mohamed College(Autonomous), Trichy.