RESUME (as on 25.10.2019)

Department of Mathematics (Aided)

1. **Name** : Dr.C.JAISANKAR

2. **Designation:** Assistant Professor of Mathematics

3. **Date of birth:** 23-06-1971

4. **Address :(including Mail ID and Telephone Number)**

Residential:	Office:
No.11, Simson Block,	P.G & Research Department of Mathematics
Ruby complex,	AVC College (Autonomous),
Koranad,	Mannampandal-609305,
Mayiladuthurai,	Tamil Nadu,
Tamil Nadu,	India.
India.	Email: jaiavcc@gmail.com
Mobile: +91-9843274852	

5. **Educational Qualifications:**

S.No.	Examination Passed	University / College	Year of Passing
1.	B.Sc Mathematics	Govt. College (men), Kumbakonam	1991
2.	M.Sc Mathematics	Govt. College (men), Kumbakonam	1993
3.	M.Phil Mathematics	A.V.V.M. S.P.C	1995
4.	P.G.D.O.R	Pondicherry University	1997
5.	M.B.A	BARD	2001
6.	Ph.D Mathematics	BHARATHIDASAN UNIVERSITY	2015

6. **Experience:** Undergraduate: 23Years
   Postgraduate: 20 Years
   M.Phil.: 08 Years

7. **Areas of Specialization:** Fuzzy Mathematics, Numerical Methods & OR.

8. **Languages known** : Tamil & English

9. Subjects Taught:

      Undergraduate : 1. Real Analysis
                    2. Discrete Mathematics
                    3. Numerical Methods

                    4. Basic Mathematics
                    5. Complex Analysis
                    6. Sequences and

Series

                    7. Differential

Equations

      Postgraduate : 1. Object Oriented Programming – C++

                    2. Functional
              analysis
                  3. Topology

                    4. Complex Analysis
                    5. Stochastic process
                    6. Probability and

statistics

                    7. Differential

equations

      M.Phil   : Fuzzy Analysis and applications

10. Research Supervision:
                M.Phil. Degree – Completed - 04

11. Orientations/ Refresher courses attended -

Sl. No.	O/R	Title of the course	From	To	Name of the Institution and Place
1		Orientation	01.11.2008	28.11.2008	ASC,BARD,Tiruchy
2		Refresher Course in Mathematics	10.11.2010	30.11.2010	ASC,BARD,Tiruchy
3		Refresher Course in Mathematics	03.07.2013	23.07.2013	ASC,BARD,Tiruchy
4		Refresher Course in Mathematics& Statistics	05.09.2018	25.09.2018	UGC-HRDC, Pondicherry University

12. Other Positions Held in AVC College:

Sl. No.	Positions held	From	To	Nature of work
1	NSS Programme Officer	19.06.2008	30.06.2011	
2	PEKAK co-ordinator	July2011	30.06.2014	
3	Examination Committee	July 2017	July 2018	

13. Details of Seminars / Conferences / Workshops Attended:

1. Mathematical Methods for Research, A.V.C.College(Autonomous)Feb2008.
2. Recent Trends in Mathematics & its applications, A.V.V.M.SPC, Poondi Aug 2008.
3. Seminar on Enhancing the Utility of Library Resources, A.V.C.College (Autonomous)Feb 2009.
4. Workshop on Mathematical Software, SRM University Oct 2009.
5. Faculty Development Programme, College of Engineering ,Guindy,Dec 2003.
6. Faculty Development Programme, Bharathiyar College Eng & Technology, Karaikal,June 2006.
7. Mathematical Modelling in Mathematics, A.V.C.College(Autonomous) Mar 2012.
8. one day workshop on "Soft computing" at organized by Department of Science and Humanities, A. V. C College of Engineering, Mannampandal on may 2012.
9. Recent initiatives in Higher education and their impact on equity & excellence, AIFUCTO & S.T.Hindu college, Nagerkoil. Oct 2011.
10. Workshop on "Setting question bank for Part-A questions", A.V.C.College(Autonomous) Dec 2011.
11. State level Seminar on "Recent Developments in Mathematics", A.V. C College (autonomous) from Mar 2010.
12. Mathematical Modeling" , A.V. C.College (autonomous) on Mar 2012.
13. "Recent Trends in Mathematics", A. V. C College (Autonomous), Mannampandal on Feb 2013.
14. "Modern Trends in Mathematics", A. V. C College (autonomous), Mannampandal on Oct 2014.

14. Details of Publications: (International & National Journal)

1. On Hessenberg of Triangular Fuzzy Number Matrices, International journal of scientific research engineering and technology (IJSRET),586-591, Volume 5, Issue:12, Dec-2016.
2. Some Properties of Determinant of Trapezoidal Fuzzy Number Matrices, International Journal of Modern Engineering Research (IJMER), 70-78,Volume 7, Issue:1,Jan-2017.
3. An Approach to relate the Triangular and Hessenberg TFNM, Bulletin of Mathematics and Statistics Research (BOMSR), 64-74,Volume 5, Issue:1,Jan-Mar-2017.
4. A note on Hessenberg of Trapezoidal Fuzzy Number Matrices, (IOSR) Journal of Mathematics, 50-56, Volume 15, Issue:1,Jan - Feb 2017.
5. On Tridiagonal of Trapezoidal Fuzzy Number Matrices, Bulletin of Mathematics and Statistics Research (BOMSR), 28-36, Volume 5, Issue:2, 2017.
6. On JAM of Triangular Fuzzy Matrices, International Journal of Scientific Research Engineering and Technology (IJSRET), Volume 6, Issue 2, Feb 2017.
7. Solving Fully Fuzzy linear system for ST Decomposition Method Using Gauss Jordan for Triangular Fuzzy Matrices, Bulletin of Mathematics and Statistics Research (BOMSR), 22-27, Volume (5), Issue 2,2017.
8. Solving Fully Fuzzy Linear System with Triangular Fuzzy Number Matrices by Partitioning, International Journal of Scientific Research Engineering and Technology (IJSRET), 319-322, Volume – 6, Issue:4, April 2017.
9. Rank and Nullity of Triangular Fuzzy Number Matrices, International Journal of Mathematical Archieve (IJMA), 173 -180,Volume 8, Issue:6, Jun-2017.

10. Numerical Solution for Fredholm Integro Differential Equations of the second Kind via Single-Term Haar Wavelet Series Method, European Journal of Scientific Research (EJSR), 38-42, Vol. 96, Issue 1, Feb-2013.
11. Numerical Solution for the Integro-Differential Equations using Single Term Haar Wavelet Series Technique, International Journal of Mathematical Archive (IJMA), 97-103, Vol. 4, Issue 11, 2013.
12. Numerical Analysis of the Fuzzy Integro-Differential Equations using Single-Term Haar Wavelet Series, International Journal of Mathematics Trends and Technology (IJMTT), 168-175,Vol. 5, Issue 1, 2014.
13. Numerical Investigation of Fredholm Integro-Differential Equations by STHWS Method, International Journal of Scientific & Engineering Research (IJSER), 288-292, Vol. 5, Issue 3, March-2014.
14. On Single Term Haar Wavelet Series method for Volterra Integro-Differential Equations, International Journal of Mathematical Archive (IJMA), 52-58, Vol. 5, Issue 3, 2014.
15. Numerical Strategies for the nonlinear Integro-Differential Equations using Single-Term Haar Wavelet Series", **Applied Mathematical Sciences.**
16. Comparison of Single Term Haar Wavelet Series Technique and Euler method to Solve One Dimensional Fuzzy Differential Inclusions", Journal of Applied Sciences Research (JASR), 73-79,Vol. 9, Issue 9, 2013.