

Faculty Profile



1. **Name** : Dr.G.SUDHA
2. **Designation** : Assistant Professor of Mathematics
3. **Department** : Mathematics
4. **Age & DOB** : 21.05.1976 & 45 yrs
5. **Date of first appointment** : 04.07.2005
6. **Date of joining in govt. servic** : 25.06.2018
7. **Educational Qualification**

Degree / Diploma / Certificate	Subject	Name Of The Institution	Year Of Passing	Remarks
Ph'D	Mathematics	Bharathidasan University	2016	Commended
M.Phil	Mathematics	Madurai Kamaraj University	2002	First Class with 72%
M.Sc	Mathematics	Bharathidasan University	1998	First Clss with 74%
B.Ed	Mathematics	Pondicherry University	2012	Distinction with 82%
B.Sc	Mathematics	Bharathidasan University	1996	First Class with 68%

8. **Academic/Teaching Experience**

S. NO.	INSTITUTION	FROM – TO
1.	A.V.C.College(Autonomous), Mannampandal, Mayiladuthurai	04.07.2005 to 17.06.2009 & 16.12.2008 to 8.05.2018
2.	A.D.M.College for Women(Autonomous), Nagapattinam	From 25.06.2018 to till date

9. **Area of specialization** : Differential Calculus, Analytical Geometry, Numerical Analysis

10. **Area of Research Interest** : Fuzzy Mathematics, Network Optimization, Intuitionistic fuzzy Mathematics

11. **Research Projects** : Ph.D. Title : A Study on Intuitionistic fuzzy Optimization Problems

12. **Research Guidance** : Guiding M.Sc and M.Phil Students. (Guided 35 M.Sc Students and 9 M.Phil Students)

13. **Seminars/Conferences/Workshops Organized**

S. NO.	PROGRAMMES	ORGANIZED BY	DATE
1.	Organized Online Workshop on "Intellectual Property Rights"	Dr.M.Sundararaman, IPR Cell Co-Ordinator, Bharathidasan University, Trichirappalli.	07.04.2021

14. Membership in Academic/Professional Bodies : Member in Board of Studies

15. Campus Leadership: IQAC Member (2018-2019)

Placement Co ordinator- 2019-2020

IPR Cell Co ordinator – (From 2021)

Class Incharge(From 2018)

Student Mentor (From 2018)

Speaker Forum, Journal Club Co-ordinator (2021-22)

16. Seminars/Conferences/Workshops attended

S.NO.	PROGRAMMES	ORGANIZED BY	DATE
1.	Importance of Graph Theory,Fuzzy,Algebra&Cryptography	Holy Cross College, Trichy	24.01.2007 to 25.01.2007
2.	National Seminar on Mathematical Methods for Research	Sponsored by UGC at A.V.C College (Autonomous), Mannampandal,Mayiladuthurai	8.2.2008 to 9.2.2008
3.	National Seminar on “Recent Development in Mathematics”	A.V.C College(Autonomous), Mannampandal	2.3.2010 to 3.3.2010
4.	Faculty Improvement programme on “ Effective Teaching Methods”	Internal Quality Assurance cell (IQAC) at A.V.C College (Autonomous), Mannampandal	2.9.2010 to 7.9.2010
5.	Workshop on“Question Bank for Part –A Questions”	A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai	26.12.2011 & 27.12.2011
6.	Workshop on “Soft computing”	A.V.C. College of Engineering, Mayiladuthurai	2'05.2012
7.	The Strategic Role of Mathematical and Statistical methods	A.D.M.college for Women, Nagai	4 th and 5 th July 2013
8.	National conference on Recent Advances in Mathematical Analysis and Applications (NCRAMAA-2013)	K.S.R College of Arts and Science(Autonomous), Thiruchengode.	06.09.2013 to 7.09.2013
9.	International Conference on Mathematical Methods and Computations (ICOMAC 2014)	Jamal Mohamed College(Autonomous), Trichirappalli.	13.02.2014 to 14.02.2014

10.	National Seminar on “Modern trends in Mathematics”	A.V.C College(Autonomous), Mannampandal	07.10.2014
11.	Guest Lecture on “Job opportunities for Mathematics in central Government	A.V. C. College(Autonomous), Mannampandal, Mayiladuthurai	07.10.2015.
12.	Training Program for MATLAB	AVC.College (Autonomous), Mannampandal	06.02.2015
13.	One day online Webinar on”Graphs in Life”	Don Bosco College of Arts and Science, Thoothukudi	29.05.2020
14.	Online Faculty Development Programme on “Research Methodology	Ramanujam Club of Mathematics in Association with IQAC, Jeppiar Institute of Technology, Sriperumpudur	1.06.2020 to 2.06.2020
15.	Online Webinar on “Key Issues in Research Methodology	G.T.N.College(A), Dindugul	3.06.2020
16.	Three Days International Webinar on “Graph Theory & Human factors in Aviation”	G,Venkataswamy Naidu College, Kovilpatti	3.06.2020 to 5.06.2020
17.	National Level online Faculty Development Programme on “Advancements in Material Science”	Science Club, Jeppiar Institute of Technology, Sriperumpudur	5.06.2020 and 6.06.2020.
18.	Online Webinar on “Applications of fuzzy Mathematics”	Sengamala Thayar Educational Trust Women’s College, Mannargudi	15.06.2020.
19.	One day online Webinar on “Graph Embedding”	Donbosco College of Arts and Science, Keela Eral,Thoothukudi	16.06.2020
20.	Online International Webinar on “ Introduction to Graphs from Algebraic Structures”	Stella Maris College, Chennai	11.06.2020, 12.06.2020, 15.06.2020 and 16.06.2020

21.	Online Webinar fuzzy Matrix and its Applications	Department of Mathematics, A.D.M.College for Women (Autonomous), Nagapattinam	26.06.2020
22.	Online Trading and E content Development	A.D.M.College for Women (Autonomous), Nagapattinam	20.08.2020 & 21.08.2020
23.	Course Management System with special reference to Moodle	A.D.M.College for Women (Autonomous), Department of Library Nagapattinam	19.08.2020
24.	Online National Conference on “Applications of Mathematics”	Indhira Gandhi College’ Thiruchirappalli	20.12.2021 &21.12.2021

17. Orientation/Refreshment Courses

S. NO.	PROGRAMMES	THEME	ORGANIZED BY	YEAR
1.	Orientation Course	Induction Programme for newly joined staff	Ramanujan College, Delhi University, New Delhi	26.06.2020 to 24.07.2020

18. Papers Presentation

S. NO.	NAME OF THE PAPER	ORGANIZED BY	DATE
1.	An approach to find the optimal paths using Trapezoidal Intuitionistic fuzzy number	National conference on Recent Advances in Mathematical Analysis and Applications (NCRAMAA-2013), K.S.R College of Arts and Science(Autonomous), Thiruchengode	6.09.13 & 7.09.13
2.	Intuitionistic Fuzzy Critical path in a network	Jamal Mohamed College(Autonomous), Trichirappalli.	13.02.14 & 14.02.14
3.	Shortest path problem in a network using Intuitionistic fuzzy number – A case study about Kanyakumari Roadways network	E.G.S.Pillay College of Engineering, Nagapattinam	24.02.2015

4.	Critical path problem under Intuitionistic fuzzy environment	E.G.S.Pillay College of Engineering, Nagapattinam	24.02.2015
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19. Papers Publications

S.No	Article	Name of the Journal	Year
1.	A modified algorithm for solving Shortest Path Problem with Intuitionistic fuzzy Arc lengths	International journal of Scientific and Engineering Research”, vol 4,no.10,pp 2229-5518	Oct 2013
2.	Computation of shortest path in a fuzzy network using Triangular Intuitionistic Fuzzy Number	International Journal of Scientific and Engineering Research, vol.5, no.12,pp. 2229-5518	April 2014
3.	Fuzzy Shortest Path method using λ – Triangular LR Intuitionistic Fuzzy Numb	International Journal of Applied Mathematical Sciences (ISSN 0973-0176) vol.7, No.1 (2014) PP.33-39	2014
4.	A new approach for finding Minimum Path in a network using Triangular Intuitionistic Fuzzy Number	International Journal of Current Research(ISSN: 0975-833X) Vol.6, Issue- 08, pp.8103-8109	2014
5.	Modified Approach on Shortest Path in Intuitionistic Fuzzy Environment	Indian Journal of Applied Research, no.4(9), pp.341-342, ISSN: 2249-555X	September 2014
6.	Critical path analysis in a project network using ranking method in intuitionistic fuzzy environment	International Journal of Advance Research (ISSN 2320-9143),vol 3, Issue 3,	March 2015
7.	Shortest path problem in a network using Intuitionistic fuzzy numbers- A case study about Kanyakumari Roadways network	Journal of Elixir Appl. Math.82, 32655- 32657	May 2015
8.	Critical path problem under intuitionistic fuzzy environment	Journal of IJAER, vol 10, no. 51, ISSN: 0973-4562	June 2015

9.	A new approach for finding minimum path in a network using Intuitionistic fuzzy number	International Journal of Current Research(IJCR), 6(08), ISSN : 0975-833X, pp 844-847.	2014
10.	Intuitionistic fuzzy critical path in a network	International Journal of Mathematical methods and Computation	2014
11.	An Intuitionistic fuzzy Critical path problem using ranking method,	International Journal of Current Research(IJCR), 8(12), ISSN: 0975 – 833X, pp 44254 – 44257.	2016
12.	Critical Path problem on a fuzzy Network with Triangular Intuitionistic Fuzzy number	International Journal of Trend in Research and Development(IJTRD), 4(1), ISSN: 2394-9333, pp 469 – 471.	2017
13.	Solving Fuzzy Linear Programming Problem based on Ranking Function	International Journal of Science, Engineering and Technology Research(IJSETR), 6(3),ISSN:2278 – 7798, pp 309 – 312	2017