Name of the staff	**Dr. B. FATHIMA KANI**
Designation	**Assistant Professor**
Name of the Department	Mathematics
Communication Address	**Phone:** **Mobile:** 8508439684 **e-mail: Office:** **Personal:** kanidrzhc@gmail.com
Teaching experience:	**Date of joining this College:** 07/12/2020 **Experience in other Colleges: 11 Years** **Total Experience as of 01/07/2024:** 14 Years 08 Months

Academic Qualifications:

Name of the Degree	University	Year	Division & Distinction
B.Sc. Mathematics	Bharathidasan University	2006	First Class with Distinction
M.Sc. Mathematics	Bharathidasan University	2008	First Class with Outstanding
M.Phil. Mathematics	Bharathidasan University	2009	First Class with Outstanding
Ph.D Mathematics	Bharathidasan University	2018	First Class with Outstanding

RESEARCH AND ACADEMIC CONTRIBUTION:

A: DETAILS OF RESEARCH PAPERS PUBLISHED

i) Refereed Journals* (throughout the career)

Title of the Article	Author	Co-Authors	Name of the Journal Vol. No. & Page	International / National	Impact Factor, Scopus index, etc.
Properties of Operations on Regular Intuitionistic Fuzzy Graphs	B.Fathima Kani,	A.Nagoor Gani	International Journal of Engineering Science,Vol.6, 3779-3783	International	IF:2.2
Fuzzy Vertex Order Colouring	B.Fathima Kani,	A.Nagoor Gani	International Journal of Pure and Applied Mathematics,Vol 107,601-614	International	IF:7.19
Alpha Product of Fuzzy Graphs	B.Fathima Kani,	A.Nagoor Gani	Advances in Fuzzy Sets and Systems,Vol.17	National	4.13
Alpha Beta and Gamma Product of Fuzzy Matrices	B.Fathima Kani,	A.Nagoor Gani	Bulletin of Pure and Applied Sciences,Mathematics and Statistics,Vol 38,359-368	International	6.987
Degree of a Vertex in Complement of Alpha Product of Fuzzy Graphs	B.Fathima Kani,	A.Nagoor Gani	International Journal of Applied Engineering Research, Vol 10,920-925	International	Scopus
Intuitionistic Fuzzy Graph Matrices Using Intuitionistic Fuzzy Graph Operations	B.Fathima Kani,		Turqish Online Journal of Qualitative Enquiry,Vol 13 1265-1272	International	Scopus 21101019739
Alpha,Beta And Gamma Strong Vertices	B.Fathima Kani,	A.Nagoor Gani	Advances and Applications in Mathematical Sciences,Vol 20 ,549-554	International	Web of Science
An Upper Bound For New Fuzzy Graph Operations	B.Fathima Kani,	A.Nagoor Gani	International Journal of Pure and Applied Mathematics, Vol 118,75-83	International	IF:7.19
Isomorphic Properties Of Alpha, Beta And Gamma Product Of Fuzzy Graphs	B.Fathima Kani,	A.Nagoor Gani	International Journal of Applied Engineering Research, Vol 10,12483--12496	International	Scopus

ii) Non-refereed journals with ISSN/ISBN (throughout the career)

Title of the Article	Author	Co-Author(s)	Name of the Journal Vol. No. & Page	International / National	ISBN/ISSN
Beta and Gamma Product of Fuzzy Graphs	B.Fathima Kani,	A.Nagoor Gani	International Journal of Fuzzy Mathematical Archive,Vol.4, 20-36	International	ISSN 2320-3242 (Print) ISSN 2320-3250 (Online)

iii) Full paper published in the Proceedings of Conference/Seminars/Symposia, etc
(throughout the career)

Title of the Article	Author	Co-Author(s)	Name of the Programme	Organiser	Date	ISBN/ ISSN, if any

B: RESEARCH PUBLICATIONS:

i) Text or Reference Books published by International publisher (throughout the career)

Title of the Book	Author	Co-author	Name of the Publisher	Month &Year of publication	Price per copy

ii) Subject Books by National level publishers / State and Central Govt. Publications with ISBN/ISSN Number:

Title of the Book	Author	Co-author	Name of the Publisher	Month &Year of publication	ISBN/ISSN

iii) Subject Books by other Local Publishers with ISBN/ISSN numbers

Title of the Book	Author	Co-author	Name of the Publisher	Month &Year of publication	ISBN/ISSN

iv) Chapters contributed to edited knowledge-based volumes published by the International Publishers:

Title of the Book	Name of the Editor	Chapter contributed	Author/ Co-Author	Name of the Publisher	ISBN/ ISSN

v) Chapters in knowledge-based volumes by national level publisher with ISBN/ISSN and with numbers of national and international directories:

Title of the Book	Name of the Editor	Chapter contributed	Author/ Co-Author	Name of the Publisher	ISBN/ ISSN

C : DETAILS OF RESEARCH PROJECTS

i) Major/Minor Research Projects (throughout the career)

Title of the Project	Minor / Major Project	Funding Agency	Period

D: RESEARCH GUIDANCE

i) Details of Ph. Ds Awarded/Submitted

Name of the Scholar	Title of the Thesis	Submitted / Awarded	Name of the University	Month and Year

ii) Details of M.Phil. awarded

Name of the Scholar	Title of the Thesis	Name of the University	Month and Year

E (i) Training Courses and Conferences/Seminars/Workshop attended
Refresher / Orientation Courses attended:

Orientation / Refresher	Organisers / Place	Period / Duration
Orientation	Bharathidasan University,Tiruchirappalli	01-09-2022 to 30-09-2022
Orientation and Sensitization Programme	UGC-MMTTC, Bharathidasan University,Tiruchirappalli	20-05-2024 to 29-05-2024

(ii) Participation in Seminars / Conferences / Workshops / Training Programmes / Webinars:

International / National / State level	Organizers / Place	Date	Theme of the Seminar
National	NPTEL-AICTE	August-October 2019	FDP-Introduction to Abstract and Linear Algebra
State	Jamal Mohamed College,Trichy	28 September 2019	Workshop-Algebra and Its Applications
State	Aiman College of Arts and Science for Women	11 October 2019	FDP-Fuzzy mathematics
International	Jamal Mohamed College,Trichy	18 February 2020	Workshop-Python Programming
State	Holy Cross College,Trichy	30 June 2020	Webinar-Optimization Models using Fuzzy Numbers
National	Dr M.G.R Institute of Technology,Coimbatore	24-26 June 2021	FDP-How to Crack CSIR-NET &SET in Mathematics
National	St.Joseph's College,Trichy	17-18 June 2020	Webinar-CSIR Problems Technique in Algebra and Analysis
National	Urumu Dhanalakshmi College,Trichy	06 July 2020	Webinar-Inner Product Space
National	V.O.Chidambaram College,Thoothukudi	08 July 2020	Webinar-Graph Colouring Problems
National	Urumu Dhanalakshmi College,Trichy	10 July 2020	Webinar-Complex Analysis

National	Jamal Mohamed College,Trichy	09-10 July 2020	FDP-Advances in Linear Algebra and Differential Equations
National	Shri Kadasiddheshwar Arts College,Karanataka	13 July 2020	Webinar-Recreational Problems in Graph Theory and their Applications in Real World
National	The Quaide Milleth College for Men	21-22 July 2020	FDP-Fuzzy and its Applications
National	Guru Nanak Coolege,Chennai	22 July 2020	Webinar-An Overview of MATLAB
National	Loyola College,Chennai	13-18 September 2021	Workshop-Mathematical Analysis
National	Maharajaa Bir Bikram University	29-30 September 2021	Webinar-Recent Advances in Mathematical Sciences
State	Hindusthan College of Arts and Science ,Coimbatore	13 October 2021	Lecture Series-Applications in Geogebra in Calculus
National	St.Joseph's University,Nagaland	05 November 2021	Webinar-Lectures on the Significant Role of Algebra and Differential Equations in the 21st Century
National	Auxilium Coleege,Vellore	01 December 2021	Webinar-Recent Trends in Mathematics 2021
National	Department of Mathematics, PSGR Krishnammal College for Women	25-27 April 2022	FDP-Effective Teaching and Learning Methodologies for Differential Equations
State	TNSDC ,Madurai Kamaraj University	30.01.2023-03.02.2023	FDP-NM-Data Analytics with TABLEAU
State	TNSDC ,Alagappa University	24-28 July 2023	FDP-NM-Data Litrecy with TABLEAU
International	Sathyabama Institute of Science and Technology	7-12 August 2023	FDP-Applicability of Mathematical Sciences in Emerging world
International	Cauvery College for Women and MIT SQUARE London	11-15 September 2023	FDP-Innovation and Entrepreneurship

State	TNSDC ,Alagappa University	22-31 January 2024	FDP-NM-Advanced Data Analysis using Python
International	Manipal University	27 May -01 June 2024	Intensive Training-Algebra, Analysis ,Topology and Applications
National	VELS institute of Science and Technology Advanced Studies	22-26 April 2024	FDP-Exploring Real World Applications in Mathematics
National	UGC-MMTTC,Bharathidasan University	20-29 May 2024	NEP 2020
State	TNSDC, Alagappa University	24-29 June 2024	FDP-Tamilnadu Aerial Vehicle Corporation-Drone Pilot Techniques

(iii) Papers presented in Seminars / Conferences / Workshops / Training Programmes participated:

International / National / State level	*Organizers / Place*	*Theme of the Seminar*	*Date*	*Title of the Paper presented*
National	Jamal Mohamed Colege,Trichy	Graph Theory, Fuzzy Graph Theory and their Applications	10-11 February 2016	Dominating Sets in Beta and Gamma Product of Fuzzy Graphs
International	Jamal Mohamed Colege,Trichy	ICOMAC 2017	11 December 2017	An Upper bound for the New Fuzzy Graph Operations
International	Jamal Mohamed Colege,Trichy	ICOMAC 2019	20-21February 2019	Alpha, Beta and Gamma Product of Fuzzy Matrices
International	Jamal Mohamed Colege,Trichy	ICOMAC 2020	19 February 2020	Alpha, Beta and Gamma Strong Vertices
International	VIT	6BIGTC 2021	04-06 March 2021	Intuitionistic Fuzzy Graph Operations
International	Sacred Heart College,Tirupattur	ICRAM 2021	09-10 April 2021	Fuzzy Graph Operations with Critical ,Busy and Free Nodes
International	Jamal Mohamed Colege,Trichy	ICOMAC 2022	21-22 December 2022	Nodes Properties of Fuzzy Graph Operations

(iv) Details of Invited lectures in Conferences/Seminars/Symposia, etc.

Name of the Programme	*Organiser of the Programme*	*Level*	*Topic*	*Date*
Mathematics Association	Department of Mathematics,Aiman College of Arts and Science for Women	State Level	Significant of Linear Algebra in Twenty First Century	13.05.2022

F. Awards won

Name of the Award	Organisers of the Award	Date

G. Membership in Board of Studies:

Name of the University / Autonomous College(s)	Chairman / Member	Period

H. Position held in University Exam Related Works:

Name of the University	Chairman / Chief Examiner /Question Setter	Period

I. Various Positions held in the college so far:

Name of the Position	Period	Achievements
NSS Program Officer	07/02/2023-Till Now	