<p style="text-align:center">PROFILE</p>

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EDUCATIONAL QUALIFICATION : M.SC.,M.PHIL., PH.D.,PGDCA

S.NO.	DEGREE / DIPLOMA	SUBJECT / MAIN	NAME OF THE COLLEGE / UNIVERSITY
1.	U.G.	MATHEMATICS	HOLY CROSS COLLEGE BHARATHIDASAN UNIVERSITY
2.	P.G.	MATHEMATICS	SEETHALAKSHI RAMASAMY COLLEGE, BHARATHIDASAN UNIVERSITY
3.	M.PHIL.	MATHEMATICS	A.V/V/M POONDI PUSPAM COLLEGE BHARATHIDASAN UNIVERSITY
4.	PH.D.	MATHEMATICS	MOTHER TERESA WOMEN UNIVERSITY

TECHNICAL QUALIFICATION:

S.NO.	DEGREE / DIPLOMA	SUBJECT / MAIN	NAME OF THE COLLEGE / UNIVERSITY
1.	PGDCA	COMPUTER SCIENCE	BISHOP HEBER COLLEGE BHARATHIDASAN UNIVERSITY
2.	M.C.A	COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY

AIDED ☑ **MANAGEMENT** ☐

TEACHING EXPERIENCE AT HOLY CROSS COLLEGE: 14   YEARS

TEACHING EXPERIENCE OUTSIDE HOLY CROSS COLLEGE: 13 YEARS

POSITIONS HELD (VP / DEAN/ HOD / DIRECTOR/ OVERALL COORDINATOR ETC.)

S. NO.	NAME OF THE POSITION	PERIOD
1.	VICE PRINCIPAL	2010 – 2013
2.	UGC – MERGE SCHEME COORDINATOR	XI PLAN & XII PLAN
3	HOD	2019 -2022

MEMBERSHIPS IN ACADEMIC BODIES (BOARD OF STUDIES, DOCTORAL

COMMITTEE MEMBER)

1.   DOCTORAL COMMITTEE MEMBER FOR 8 RESEARCH SCHOLARS

E-LESSONS DEVELOPED:

S.NO	TITLE OF E-LESSONS
1.	CAT ENARY
2.	**DIFFERENTIAL EQUATIONS**

RESEARCH:

M.PHIL.   GUIDED: 10   GUIDING: -

PH.D.   AWARDED : 21   GUIDING: 05

JOURNAL / ARTICLES PUBLISHED:

1.   Ritha, W., Kalaiarasi, K., Optimization of Fuzzy Integrated Vendor-Buyer Inventory Models, Annals of Fuzzy Mathematics and Informatics, Vol.2, No.2. (Oct. 2011), pp.239-257.
2.   Ritha, W., Kalaiarasi, K., Optimization of Fuzzy Integrated Two Stage Vendor-Buyer Inventory System, International Journal of Mathematical Sciences and Applications, Vol.1, No.2. (May 2011).
3.   Ritha, W., Kalaiarasi, K., Optimization of EOQ Model with Taguchi's Cost of Poor Quality, has been accepted for publication in the International Journal of Mathematics and Soft Computing.
4.   Ritha, W., Kalaiarasi, K., Optimization of EOQ Model on the Boundaries of the Fillrate, International Mathematical Forum, Vol.6, No.63, 2011, pp.3101-3110.

5. Ritha, W., Kalaiarasi, K., Optimization of a Multiple Vendor Single Buyer Integrated Inventory Model with a Variable Number of Vendors, International Journal of Mathematical Sciences and Engineering Applications (IJMSEA) ISNN.0973-9424, Vol.5, No.V. (Sep 2011), pp.173-188.

6. Ritha, W., Kalaiarasi, K., Optimization of Single Supplier Multiple Cooperative Retailers Inventory Model with Quantity Discount and Permissible Delay in Payments, International Journal of Advanc in Mathematical Sciences, ISSN: 0973-5798, Vol.1, No.61. (Jan-June 2011).

7. Ritha, W., Kalaiarasi, K., Fuzzy EOQ Model with the Impact of Stochastic Lead time Reduction on Inventory Cost under Order Crossover, Fuzzy Sets, Rough Sets and Multivalued operations and Applications, Serial Publications, July-Dec.2011.

8. Ritha, W., Kalaiarasi, K., Optimization of EOQ Inventory Models with Two Backorders, International Journal of Mathematics, IJAM, Vol.2, 2010-2011.

9. Ritha, W., Sreelekha, B., Machine Repair Problem under Uncertain Environment, International Journal of Mathematical Sciences and Engineering Applications, Vol.2, No.3, Oct-2010, pp.213-225.

10. Ritha, W., Sreelekha, B., Analysis of Fuzzy Erlang's Loss Queuing Model and Fuzzy Tandem Queues, International Journal of Fuzzy Mathematics and Systems, Vol.1, No.1, (2011) pp.1-10.

11. Ritha, W., Sreelekha, B., Fuzzy Analysis of Mean and Variance of Sojourn Time Distribution in Tandem Queues, has been published in the proceedings of the International Conference ICMCM-11, PSG College of Technology, Coimbatore during 19.12.11 to 21.12.11, pp.227234.

12. Ritha, W., Sreelekha, B., Fuzzy N Policy Queues with Infinite Capacity, Journal of Physical Sciences, Vol.15, (Dec. 2011), pp.73-82.

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14. Ritha, W., Sreelekha, B., Analysis of a Fuzzy Queuing System with a Removable and Non Reliable Server, Journal of Computing Technologies, Vol.2, No.1.

15. Ritha, W., Sreelekha, B., Fuzzy Steady State Analysis of $M^x/M(a,b)/1$ Queue Models with Random Breakdowns, accepted for publication in International Journal of Computing.

16. Ritha, W., Sreelekha, B., Analysing the Waiting Time of Passengers in an Escalator at the Railway Station using Monte Carlo Methods in Fuzzy Queuing Theory, Arya Bhatta Journal of Mathematics & Informatics.

17. Ritha, W., Sreelekha, B., A Fuzzy Queuing Theoretic Approach to Child Care Quality and Regulations, Applied Mathematics, Elixir Publication.

18. Ritha, W., Lilly Robert. Application of Fuzzy Set Theory to Retrial Queues, International Journal of Algorithms Computing and Mathematics, Volume 2, Number 4, November 2009, Pages 9-18.

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21. Ritha, W., Lilly Robert. Optimum Selection Of Retrial Rate For Queueing Model With Fuzzy Parameter, International Journal of Fuzzy Systems and Rough Systems, Volume 3, Number 1, January-June 2010, Pages 21-24.

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122. Ritha & K. Jayanthi (2019), "Determination of fuzzy total profit of enterprise which channelizes the overage to customer acquisition". International Journal of Research in Advent Technology

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123. W. Ritha & K. Jayanthi (2019), "Fuzzy inventory model for small scale retailers with local advertisements", International Journal of Research in Advent Technology (IJRAT) Vol. 7, No. 2, PP. 908-912. E-ISSN: 2321-9637.

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126. K. Jayanthi & W. Ritha (2020), "An Intutionistic Fuzzy Geometric Programming Approach for an EOQ Model with Advantages and Benefits of Bio-Packaging and Eco-Labeling of the Product", Journal of Information and Computational Science, Vol. 10, Issue 10, PP. 450-460, ISSN: 1548-7741.

127. K. Jayanthi & W. Ritha (2020), "Centroid based ranking of intutionistic fuzzy geometric programming approach for an economic production quantity model with the integration of environmental costs", TEST Engineering & Management, Vol. 83, PP. 7434-7441, ISSN: 0193-4120.

128. K. Jayanthi & W. Ritha (2020), "Interval valued neutrosophic geometric programming technique for an environmental oriented inventory model with benefits of incineration", TEST Engineering & Management, Vol. 83, PP. 7442-7450, ISSN: 0193-4120.

129. K. Jayanthi & W. Ritha (2020), "Environment Economic Order Quantity under fixed renting contract model with the application of Ranking of Neutrosophic Fuzzy Geometric Programming Technique", TEST Engineering & Management, Vol. 83, PP. 7426-7433, ISSN: 0193-4120.

130. K. Jayanthi & W. Ritha (2020), "Economic production quantity model with cloudy fuzzy associated costs of Internet advertising to acquire customers residing worldwide with Geometric Programming technique" ,Kala Sarovar(UGC Care Group-I Journal) Vol-23,No.04(VI)October-December 2020,ISSN:0975-4520.

131. K. Jayanthi & W. Ritha (2020), "A New Ranking Principle of Trapezoidal Cloudy Fuzzy Numbers with Geometric Programming application of Replenishment policy for Economic Manufacturing Model with Rework, Multiple Shipments, Switching and Packaging",Sambodhi(UGC Care Journal),Vol-43,No.04(VII)October-December 2020, ISSN:2249-6661.

DETAIL OF PATENTS

S.No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status
1.	An IOT enabled foot operated two wheeler steering mechanism for handicapped persons	W.Ritha	2020102 133	30.09.2020	IP Australia / Australian Government	Granted

CONFERENCE**/SEMINAR/WORKSHOP/ TRAINING PROGRAMME ATTENDED** -ACADEMIC & GENERAL: *(LAST FIVE YEARS)*

Name of the Staff	Title of the Programme Conducted	Place and Duration
	DEPARTMENT OF MATHEMATICS	
Dr. W. Ritha	Chair Person in the International Conference on Innovation, Research and Networking in Higher Education for a Sustainable Society: Challenges and Channels.	Holy Cross College(Autonomous), Tiruchirapalli – 2. 25 – 27 , July 2018
	Resource Person in the National Conference on " Recent Trends in Pure and Applied Mathematics " – Sponsored by CSIR	PG and Research Department of Mathematics, Bon Secours College for Women, Thanjavur. 4, February 2019
	Chair Person in the International Conference on "Mathematical Methods and Computation"	Jamal Mohamed College (Autonomous) Tiruchirapalli – 20. 20th and 21st February 2019
	Resource Person for valediction: "Mathematics – God's Language for nature"	Jamal Mohamed College (Autonomous) Tiruchirapalli – 20.
	Resource person for One Day Seminar on "Recent Trends in Fuzzy Operations Research" Sponsored by UGC	PG and Research Department of Mathematics, Periyar E.V.R. College,Tiruchirapalli – 23.

PROJECTS UNDERTAKEN:

S. NO.	CATEGORY MAJOR/ MINOR	RESEARCH AREA	FUNDING AGENCY	SANCTIONED AMOUNT (RS.)	PERIOD
1.	STUDENT PROJECT	A STUDY ON ENVIRONMENT AL IMPACT OF TOURISMUSING FUZZY SET THEORY	TNSCST	10,000	2010
2.	MINOR PROJECT	FUZZY QUEUES	UGC	70,000	2009 – 2010
3.	MAJOR PROJECT	FUZZY INVENTORY MODELS	UGC	8,75,000	2011-2014

DETAILS OF ORIENTATION AND REFRESHER COURSES

NAME OF THE COURSE	ACADEMIC STAFF COLLEGE, UNIVERSITY	DURATION IN DAYS	FROM – TO (MENTION DATE HERE)
ORIENTATION COURSE	Bharathidasan University	27 days	02.05.2009 TO 29.05.2009
REFRESHER COURSE IN MATHEMATICS	Bharathidasan University	21 Days	10.11.2010 TO 30.11.2010
REFRESHER COURSE IN HUMAN RIGHTS (MULTI DISCIPLINARY)	Bharathidasan University	21 Days	01.12.2012 TO 21.12.2012
REFRESHER COURSE IN MATHEMATICS	Ramanujan Research centre, Delhi University	15 days	16.03.2021 to 30.03.2021
FACULTY DEVELOPMENT PROGRAMME PEDAGAGY AND RESEARCH METHODS	AMET, (HRDC and IQAC)	14 days	24.5.2021 TO 06.06.2021

PH.D. AWARDED:

S.No.	Name	University	Year (degree awarded year)
1	B.Sreelekha Menon	Manonmaniam Sundaranar University, Tirunelveli	2013
2	R.Kalaiarasi	Manonmaniam Sundaranar University, Tirunelveli	2013
3	Lilly Robert	Manonmaniam Sundaranar University, Tirunelveli	August 2013
4	J.Merline Vinotha	Manonmaniam Sundaranar University, Tirunelveli	August 2013
5	Sr.A.Sagaya Rani	Manonmaniam Sundaranar University, Tirunelveli	2014
6	S.Rexlin Jeyakumari	Manonmaniam Sundaranar University, Tirunelveli	May 2014
7	M.Mary Mejrullo Merlin	Manonmaniam Sundaranar University, Tirunelveli	May 2014
8	M.Sumathi	Bharathidasan University, Tiruchirappalli	April 2014
9	W.Lilly Merlin	Bharathidasan University, Tiruchirappalli	2015
10	Nivetha Martin	Bharathidasan University, Tiruchirappalli	2015
11	I.Francina Nishathini	Bharathidasan University, Tiruchirappalli	2017
12	I.Antonitte Vinoline	Bharathidasan University, Tiruchirappalli	2018
13.	S.Haripriya	Bharathidasan University, Tiruchirappalli	2019
14.	Infancy Vimal Priya	Bharathidasan University, Tiruchirappalli	2019
15	P.Bharathi	Bharathidasan University, Tiruchirappalli	2019
16	S.Sudha	Bharathidasan University, Tiruchirappalli	2019
17.	S.Poongodi Sathiya	Bharathidasan University, Tiruchirappalli	2019
18.	J.C.Eveline	Bharathidasan University, Tiruchirappalli	2020
19.	A.Theresal Jeyaseeli	Bharathidasan University, Tiruchirappalli	2020
20.	S.Josphine Vinnarasi	Bharathidasan University, Tiruchirappalli	2021
21	K.Jayanthi	Bharathidasan University, Tiruchirappalli	2021

DETAILS OF MEMBERSHIP IN PROFESSIONAL BODIES /JOURNALS, EDITORS, CONSULTANCY, RESOURCE PERSON

1. EDITOR - INTERNATIONAL JOURNAL OF MATHEMATICS AND COMPUTERS

2. Member of International Association of Computer Science and Information Technology (IACSIT).

VISIT TO FOREIGN COUNTRIES: NIL

OTHER HONORS /AWARDS/ACHIEVEMENTS/ RESPONSIBILITIES:

S.No.	Name of Award	Awarding Agency	Year
1.	Sr.Dona award for Research	Holy Cross College	2019- 2020
2.	Sr.Dona award for Research	Holy Cross College	2020 - 2021

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