

Dr.VENKATESH B

Assistant Professor,
Department of Mathematics,
Bishop Heber College,
Tiruchirappalli - 17.

E-mail : venkatesh.mat@bhc.edu.in

Phone : 9952819357

Web:

Ph.D. Details

Title of Thesis

A CONTRIBUTION TO THE STUDY ON RETRIAL,
UNRELIABLE, AND VACATION QUEUES IN SINGLE
AND MULTICHANNEL UNDER FUZZY
ENVIRONMENT

Research Supervisor

DR.S.PANMUGASUNDARAM

Area of Specialization

Stochastic Process, Queueing Theory, Fuzzy Logic

Research Centre

Government Arts College, Salem-7

Year of Award

February 2018

Cleared NET / SET :

SET

Details

28128432

Year of Passing

September 2017

Additional Qualification

Name of Course

NPTEL - Introduction to Abstract and
Linear Algebra

Place of Study

IIT Kharagpur (ONLINE
CERTIFICATE COURSE)

Date

OCTOBER 2018

Duration

8 WEEKS

Teaching / Research Experience

U.G. : 14 YEAR

P.G. : 4 YEARS

M.Phil.

Ph.D.

Table of Contents

1.	Conferences / workshops / Seminars Attended	6
2.	Research Papers Presented	5
3.	Publication in Journals	6
4.	Publication in Books	0
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	1
8.	Resource Person	1
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

1. College level Workshop on **"MATHEMATICS IN MACHINE LEARNING"** sponsored by BISHOP HEBER COLLEGE organized by DEPARTMENT OF MATHEMATICS at BHC, TRICHY during 19/03/2021 to 20/03/2021.
2. College level Seminar on **"Webinar On Research Methodology and Thesis Writing"** sponsored by BISHOP HEBER COLLEGE organized by DEPARTMENT OF MATHEMATICS, BHC at ONLINE during 20/02/2021 to 21/02/2021.
3. College level Workshop on **"Fascinating world of Primes"** sponsored by BISHOP HEBER COLLEGE organized by DEPARTMENT OF MATHEMATICS, BHC at BHC, TRICHY during 22/12/2020 to 22/12/2020.
4. College level Workshop on **"Emotional Intelligence for Teachers"** sponsored by UGC organized by DEPARTMENT OF MATHEMATICS, BHC at BHC, TRICHY during 25/01/2019 to 25/01/2019.
5. State level Seminar on **"ONE DAY STATE LEVEL SEMINAR ON NET/ SET PREPARATION"** sponsored by G.T.N ARTS COLLEGE organized by G.T.N ARTS COLLEGE at DINDIGUL during 19/09/2018 to 01/01/2020.
6. College level Workshop on **"10 ATTRIBUTES OF HIGH IMPACT TEACHERS"** sponsored by SARANATHAN COLLEGE OF ENGINEERING organized by SARANATHAN COLLEGE OF ENGINEERING at TIRUCHORAPPALLI during 01/01/2018 to 14/07/2018.

Research Papers Presented

- 5

1. **"Evaluation of Performance Measures of M M C Queue with Synchronous Vacations for some servers using Pentagonal Fuzzy Number"** in the International conference on *Heber International Conference on Applied Mathematics* sponsored by Bishop Heber College, organized by PG and Research Department of Mathematics at Bishop Heber College Trichy during 26/04/2021 to 26/04/2021.
2. **"FM/FM/c Queue with Synchronous vacations of some servers"** in the International conference on *International conference on Trends and Innovations in Chemical and Pharmaceutical Technologies* sponsored by , organized by Anna University, BIT campus, at Tiruchirappalli, during 02/04/2017 to 04/04/2017.
3. **"Retrial Queue with non-preemptive Priority under DSW Algorithm"** in the International conference on *International Conference on Mathematical Computer Engineering* sponsored by , organized by VIT University, at Chennai during 16/12/2016 to 17/12/2016.
4. **"Multi- server fuzzy queueing model using DSW algorithm."** in the International conference on *International Conference on advances in computing, Control, Communication Engineering* sponsored by , organized by Al-Ameen Engineering College at Erode, Tamil Nadu during 10/04/2015 to 11/04/2015.
5. **"A Simple Study on FM/FM/1 Fuzzy Queue"** in the National conference on *National Seminar on Recent Developments in Topology* sponsored by , organized by Sri Sarada College for Women at Salem during 11/02/2015 to 12/02/2015.

1. **"Evaluation Of Performance Measures Of M/M/C Queue With Synchronous Vacation For Some Servers Using Pentagonal Fuzzy Number"** published in International Journal of Aquatic Science (PEER REVIEW) Vol. 12, Issue No. 2, June 2021 ISSN : 2008 8019.
Impact factor , Scopus Index web of science, h - index , Citation index
2. **"Fuzzy Retrial Queues with Priority using DSW Algorithm"** published in International journal of computational Engineering Research, (PEER REVIEW) Vol. 6, Issue No. 9, September 2016 ISSN : ---.
3. **"An M/G/1 Retrial Queue with Unreliable server under Fuzzy Environment"** published in ", International journal for Research in Mathematics and Mathematical Sciences, (PEER REVIEW) Vol. 2, Issue No. 4, April 2016 ISSN : ---.
4. **"M/M/c Queue with Single Vacation and (e,d)-Policy under Fuzzy Environment"** published in International Journal of Innovations in Engineering and Technology, (PEER REVIEW) Vol. 7, Issue No. 3, January 2016 ISSN : ---.
5. **"An M/M/1 Retrial Queue with Unreliable Server under Fuzzy Environment"** published in Int Jr. of MathemaInt Jr. of Mathematical Sciences & Applications (PEER REVIEW) Vol. 6, Issue No. 1, January 2016 ISSN : 2230-9888.
6. **"Multi- server fuzzy queueing model using DSW algorithm"** published in Global Journal of Pure and Applied Mathematics (PEER REVIEW) Vol. 11, Issue No. 1, January 2015 ISSN : ---.

RESEARCH PROJECTS

- 1

1. Minor project entitled **"Evaluation of Performance Measures of M M C Queue With Synchronous Vacation under Fuzzy Environment"** (PRINCIPAL INVESTIGATOR), Sponsored by Bishop Heber College, during 23/12/2020 to 7/31/2021 [Completed].

TRAINING PROGRAMME

- 2

- # COLLEGE level Capacity Building Programme on **"A Road Map to Whole Person Education"** Sponsored by Bishop Heber College, Organized by IQAC, BISHOP HEBER COLLEG at BHC, TRICHY during 13/10/2020 - 16/10/2020.
- # COLLEGE level Capacity Building Programme on **"A Road Map to Whole Person Education"** Sponsored by Bishop Heber College, Organized by IQAC, BISHOP HEBER COLLEG at BHC, TRICHY during 13/10/2020 - 16/10/2020.

RESOURCE PERSON

- 1

1. College level Guest Lecture on **"APPLICATIONS OF MATHEMATICS"** at SRI GANESH COLLEGE OF ARTS&SCIENCE, SALEM, 20/07/2018.



Signature of Staff
(VENKATESH B)