

## Dr.VENKATESH B

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Bishop Heber College,  
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### 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.	<b>Conferences / workshops / Seminars Attended</b>	<b>6</b>
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4.	<b>Publication in Books</b>	<b>0</b>
5.	<b>Books Published / Edited</b>	<b>0</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>0</b>
7.	<b>Research Projects</b>	<b>1</b>
8.	<b>Resource Person</b>	<b>1</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>0</b>
11.	<b>Patent</b>	<b>0</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>0</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>0 / 0</b>

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.

