

Mrs.K.REKHA

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

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Qualification

Degree	Branch	Institution / University	Year of Passing
M.Phil	Mathematics	Bharathidasan	2007
M.SC	Mathematics	Bharathidasan	2006
B.SC	Mathematics	Bharathidasan	2004
Ph.D	Mathematics	Bharathidasan University	13th June 2017

Ph.D. Details

Title of Thesis		Area of Specialization	
A Study on some special types of continuous functions in topological spaces		Topology	
Research Supervisor	Research Centre		Year of Award
Dr.T.Indira	Seethalakshmi Ramaswami College		June 2017

Obtained Post Doctoral Fellowship :
Host Institution :

Agency

Cleared NET / SET :	Details	Year of Passing
SET	26126741	May 2018

Additional Qualification

Name of Course	Place of Study	Date	Duration
DCA	TRICHY	2003	6MONTHS

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College Tiruchirappalli	BISHOP HEBER COLLEGE, TRICHY-17.	Assistant Professor	28-06-2007	till date
Bishop Heber College	Bishop Heber College	Associate Professor	28-06-2007	Till Date

Teaching / Research Experience

U.G. : 14 YEAR **P.G. :** 14 YEARS A **M.Phil.** 1 YEAR **Ph.D.**

Research Guidance

U.G. : 10 **P.G. :** 40 Caditates **M.Phil. :** **Ph.D. :**

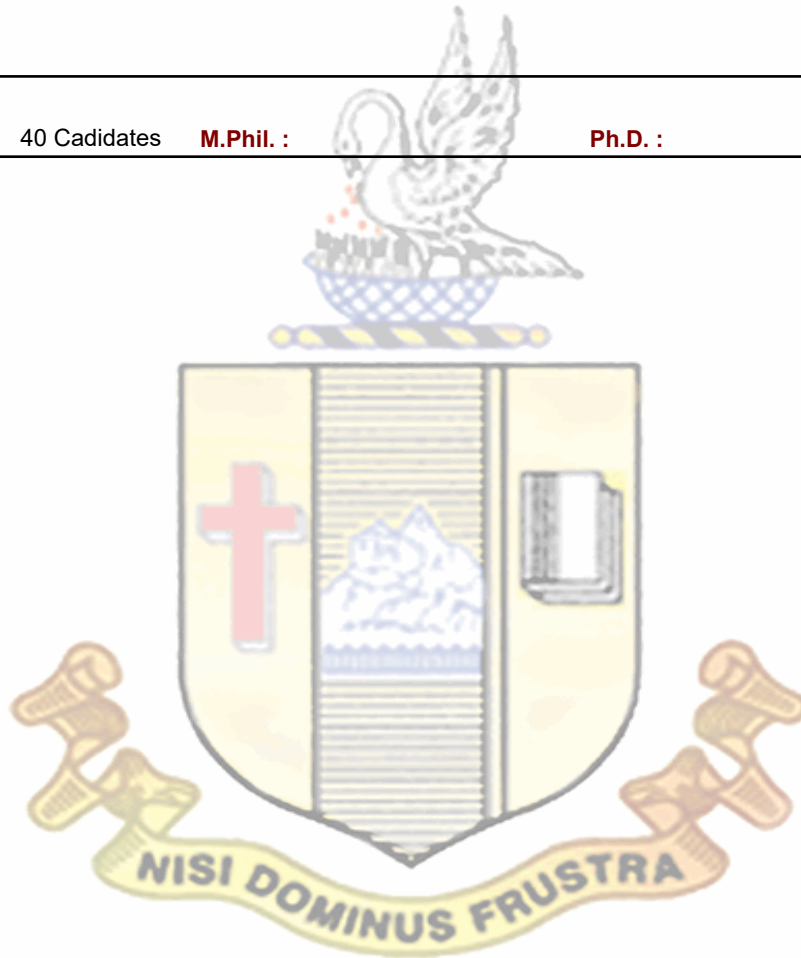


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6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	0
8.	Resource Person	1
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

1. College level Workshop on **"Mathematics in Machine Learning"** sponsored by PG and Research Department of Mathematics, Bishop Heber College organized by PG and Research Department of Mathematics, Bishop Heber College at Bishop Heber College, Trichy during 19/03/2021 to 20/03/2021.
2. College level Seminar on **"E-Content Development"** sponsored by Deanery of Academics organized by Deanery of Academics at Bishop Heber College, Trichy during 27/10/2020 to 29/10/2020.
3. State level Seminar on **"Webinar on Applications of Differential Equations"** sponsored by Department of Mathematics organized by Department of Mathematics at Kongunadu Arts and Science College during 04/06/2020 to 04/06/2020.
4. State level Seminar on **"SEMINAR"** sponsored by DEPARTMENT OF MATHEMATICS organized by DEPARTMENT OF MATHEMATICS at KONGUNADU ARTS AND SCIENCE COLLEGE during 04/06/2020 to 01/01/1900.
5. State level -1 on **"FACULTY DEVELOPMENT PROGRAM ON ONLINE TEACHING AND E-CONTENT"** sponsored by IIDE organized by IIDE at IIDE during 03/06/2020 to 04/06/2020.
6. College level Orientation on **"WORKSHOP"** sponsored by IQAC, BISHOP HEBER COLLEGE organized by IQAC, BISHOP HEBER COLLEGE at BISHOP HEBER COLLEGE during 21/05/2020 to 01/01/1900.
7. International level Conference on **"INTERNATIONAL CONFERENCE ON BIO INSPIRED COMPUTATIONS"** sponsored by CSIR organized by DEPARTMENT OF MATHEMATICS at BISHOP HEBER COLLEGE during 10/01/2019 to 11/01/2019.
8. College level Workshop on **"Examination and Evaluation Reforms"** sponsored by Internal Quality Assurance Cell organized by Internal Quality Assurance Cell at Bishop Heber College during 10/03/2018 to 01/01/1900.
9. National level Conference on **"Recent Trends in Applied Mathematics"** sponsored by PG and Research Department of Mathematics organized by PG and Research Department of Mathematics at Bishop Heber College during 02/03/2018 to 03/03/2018.
10. College level Workshop on **"CURRICULUM DESIGN AND EVALUATION TECHNIQUES"** sponsored by BISHOP HEBER COLLEGE organized by BISHOP HEBER COLLEGE at BISHOP HEBER COLLEGE during 21/11/2016 to 22/11/2016.
11. College level Workshop on **"R-PROGRAMMING"** sponsored by DEPARTMENT OF MATHEMATICS AND IQAC organized by DEPARTMENT OF MATHEMATICS AND IQAC at BHC during 02/04/2016 to 02/04/2016.
12. College level Workshop on **"CAPACITY BUILDING PROGRAMME"** sponsored by INTERNAL QUALITY ASSURANCE CELL organized by INTERNAL QUALITY ASSURANCE CELL at BISHOP HEBER COLLEGE during 25/02/2012 to 25/02/2012.
13. National level Workshop on **"FUZZY SET THEORY AND APPLICATIONS/QUEUING THEORY AND APPLICATIONS"** sponsored by DEPARTMENT OF MATHEMATICS organized by DEPARTMENT OF MATHEMATICS at K. RAMAKRINAN COLLEGE OF TECHNOLOGY, TRICHY during 06/08/2011 to 06/08/2011.
14. College level Workshop on **"EXAMINATION REFORMS AND EVALUATION"** sponsored by IQAC organized by IQAC at BHC during 18/03/2011 to 18/03/2011.
15. -1 level Workshop on **"STOCHASTIC DIFFERENTIAL EQUATIONS"** sponsored by DEPARTMENT OF MATHEMATICS organized by DEPARTMENT OF MATHEMATICS at BHC during 23/01/2009 to 24/01/2009.
16. College level Workshop on **"MATLAB"** sponsored by DEPARTMENT OF MATHEMATICS organized by DEPARTMENT OF MATHEMATICS at BHC during 01/01/1900 to 22/02/2008.

17. -1 level Workshop on **"WORKSHOP"** sponsored by organized by at during 01/01/1900 to 01/01/1900.

Research Papers Presented

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1. **"An Application of Rough Topology in Bacterial Wilt of Vegetable Plants"** in the International conference on *Heber International Conference on Applied Mathematics* sponsored by Bishop Heber College, Trichy, organized by Department of Mathematics, Bishop Heber College, Trichy at Bishop Heber College, Trichy during 26/04/2021 to 26/04/2021.
2. **"SOMEWHAT $\ast\ast b$ -CONTINUOUS AND SOMEWHAT $\ast\ast b$ -OPEN FUNCTIONS IN TOPOLOGICAL SPACES"** in the Select conference on *CONFERENCE ON "MATHEMATICAL METHODS AND COMPUTATION" (ICOMAC 2014)* sponsored by , organized by JAMAL MOHAMED COLLEGE, TRICHY at TRICHY during 13/02/2014 to 14/02/2014.
3. **" $b\ast\ast$ -t-SETS IN TOPOLOGICAL SPACES"** in the National conference on *SYMPOSIUM ON "MATHEMATICAL METHODS AND APPLICATIONS" (NSMMA 2012)* sponsored by , organized by INDIAN INSTITUTE OF TECHNOLOGY at CHENNAI during 22/12/2012 to 01/01/1900.
4. **" $\ast b$ -t-SETS IN TOPOLOGICAL SPACES"** in the National conference on *SEMINAR ON "APPLICATIONS OF MATHEMATICS"* sponsored by , organized by JAMAL MOHAMED COLLEGE, TRICHY at TRICHY during 22/02/2012 to 01/01/1900.
5. **" ON LOCALLY $\ast\ast b$ -CLOSED SETS IN TOPOLOGICAL SPACES"** in the International conference on *CONFERENCE ON "APPLICATIONS OF MATHEMATICS AND STATISTICS"* sponsored by , organized by BISHOP HEBER COLLEGE, TRICHY at TRICHY during 05/01/2012 to 07/01/2012.
6. **" ON ALMOST $\ast b$ -CONTINUOUS FUNCTIONS IN TOPOLOGICAL SPACES"** in the National conference on *SYMPOSIUM ON "MATHEMATICAL METHODS AND APPLICATIONS" (NSMMA 2011)* sponsored by , organized by INDIAN INSTITUTE OF TECHNOLOGY, CHENNAI at CHENNAI during 22/12/2011 to 22/12/2011.

1. **"An Application of Rough Topology in Bacterial Wilt of Vegetable Plants"** published in International Journal of Aquatic Science (PEER REVIEW) Vol. 12, Issue No. 2, June 2021 ISSN : 2008-8019.
2. **"An Application of Rough topology in foot and Mouth disease of the animal."** published in International Journal of Aquatic Science (PEER REVIEW) Vol. 12, Issue No. 2, June 2021 ISSN : 2008-8019.
3. **"*b-compactness and *b-connectedness in topological Spaces"** published in International Journal of Research in Advent Technology (IJRAT) Special Issue (International Conference on Applied Mathematics and Bio-Inspired Computations) (PEER REVIEW) Vol. , Issue No. , January 2019 ISSN : 2321-9637.
4. **"g-*b-compactness, g-b**compactness and g-**b-compactness in topological Spaces"** published in Journal of Imerging Technologies and Innovative Research (PEER REVIEW) Vol. 5, Issue No. 11, November 2018 ISSN : 2349-5162.
5. **"b**-compactness and b**-connectedness in topological Spaces"** published in International Journal of Scientific Research and Reviews (PEER REVIEW) Vol. 7, Issue No. 4, October 2018 ISSN : 2279-0543.
6. **"***b-compactness and **b-connectedness in topological spaces"** published in International Journal of Mathematics Trends and Technology (PEER REVIEW) Vol. 60, Issue No. 4, August 2018 ISSN : 2231-5373(E).
7. **"***b-compactness and **b-connectedness in topological spaces"** published in International Journal of Mathematics Trends and Technology (PEER REVIEW) Vol. 60, Issue No. 4, August 2018 ISSN : 2231-5373(E).
8. **"b**-t-CONTINUOUS AND **b-t-CONTINUOUS FUNCTIONS IN TOPOLOGICAL SPACES"** published in INTERNATIONAL JOURNAL OF ADVANCED SCIENTIFIC AND TECHNICAL RESEARCH (PEER REVIEW) Vol. 6, Issue No. 4, December 2014 ISSN : 2249-9954.
9. **"SOME TYPES OF SOMEWHAT IRRESOLUTE FUNCTIONS IN TOPOLOGICAL SPACES"** published in INTERNATIONAL JOURNAL OF ADVANCED SCIENTIFIC AND TECHNICAL RESEARCH (PEER REVIEW) Vol. 2, Issue No. 4, April 2014 ISSN : 2249-9954.
10. **"SOMEWHAT **b-CONTINUOUS AND SOMEWHAT **b-OPEN FUNCTIONS IN TOPOLOGICAL SPACES"** published in JAMAL ACADEMIC RESEARCH JOURNAL (JARJ) (PEER REVIEW) Vol. , Issue No. , February 2014 ISSN : 0973-0303.
11. **"b**-t-SETS IN TOPOLOGICAL SPACES"** published in ARCHIMEDES JOURNAL OF MATHEMATICS (PEER REVIEW) Vol. 3, Issue No. 3, September 2013 ISSN : 0972-8643.

12. **"SOMEWHAT $\ast b$ -CONTINUOUS AND SOMEWHAT $\ast b$ -OPEN FUNCTIONS IN TOPOLOGICAL SPACES"** published in INTERNATIONAL JOURNAL OF FUZZY MATHEMATICAL ARCHIVE (PEER REVIEW) Vol. 2, Issue No. , July 2013 ISSN : 2320-3242.
13. **"SOMEWHAT $b^{\ast\ast}$ -CONTINUOUS AND SOMEWHAT $b^{\ast\ast}$ -OPEN FUNCTIONS IN TOPOLOGICAL SPACES"** published in ISST JOURNAL OF MATHEMATICS & COMPUTING SYSTEM (SELECT) Vol. 4, Issue No. 1, June 2013 ISSN : 0976-9048.
14. **" $\ast\ast b$ -t-SETS IN TOPOLOGICAL SPACES"** published in INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND STATISTICAL SCIENCES (PEER REVIEW) Vol. 2, Issue No. 2, May 2013 ISSN : 2319-3972.
15. **"ON LOCALLY $\ast\ast b$ -CLOSED SETS IN TOPOLOGICAL SPACES"** published in HEBER INTERNATIONAL CONFERENCE ON "APPLICATIONS OF MATHEMATICS & STATISTICS" (PEER REVIEW) Vol. , Issue No. , January 2013 ISSN : 978-93-81361-71-9.
16. **"DECOMPOSITION OF CONTINUITY VIA $\ast b$ -OPEN SET"** published in ACTA CIENCIA INDICA (PEER REVIEW) Vol. XXXIX, Issue No. 1, January 2013 ISSN : 0970-0455.
17. **"ON ALMOST $\ast b$ -CONTINUOUS FUNCTIONS"** published in ANTARCTICA JOURNAL OF MATHEMATICS (PEER REVIEW) Vol. 10, Issue No. 1, January 2013 ISSN : 0972-8643.
18. **" $\ast b$ -t-SETS IN TOPOLOGICAL SPACES"** published in ANTARCTICA JOURNAL OF MATHEMATICS (PEER REVIEW) Vol. 9, Issue No. 7, December 2012 ISSN : 0972-8643.
19. **" \ast : APPLICATIONS OF $\ast b$ -OPEN SETS AND $\ast\ast b$ -OPEN SETS IN TOPOLOGICAL SPACES"** published in ANNALS OF PURE AND APPLIED MATHEMATICS (PEER REVIEW) Vol. 1, Issue No. 1, September 2012 ISSN : 2279-0888.

TRAINING PROGRAMME

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- # COLLEGE level SELECT on **"CAPACITY BUILDING PROGRAMME"** Sponsored by , Organized by IQAC at BHC during 25/02/2012 - 25/02/2012.

RESOURCE PERSON

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1. International level Chair Person on **"HICAM 2021 Heber International Conference on Applied Mathematics"** at Department of Mathematics BHC, 26/04/2021.



Signature of Staff
(K.REKHA)