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Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D	Computer Science	Bharathidasan	2019
MCA.,	Computer Application	Periyar	2008
M.Phil.,	Computer Science	Madurai Kamaraj University	2005
M.Sc.,	Computer Science	Bharathidasan	1992
B.Sc.,	Computer Science	Bharathidasan	1990

Ph.D. Details

Title of Thesis Quality of Service Techniques to save energy in Mobile Ad hoc Networks	Area of Specialization Mobile Ad hoc Networks	Research Centre Bishop Heber College (Autonomous)	Year of Award March 2019
Research Supervisor Dr. P. Calduwel Newton			

Additional Qualification

Name of Course	Place of Study	Date	Duration
VB and Oracle	SSI, Mannargudi	June 2000	6 months

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Vayalur Road, Triruchirappalli- 620 017	Associate Professor	July 24, 2000	Till date

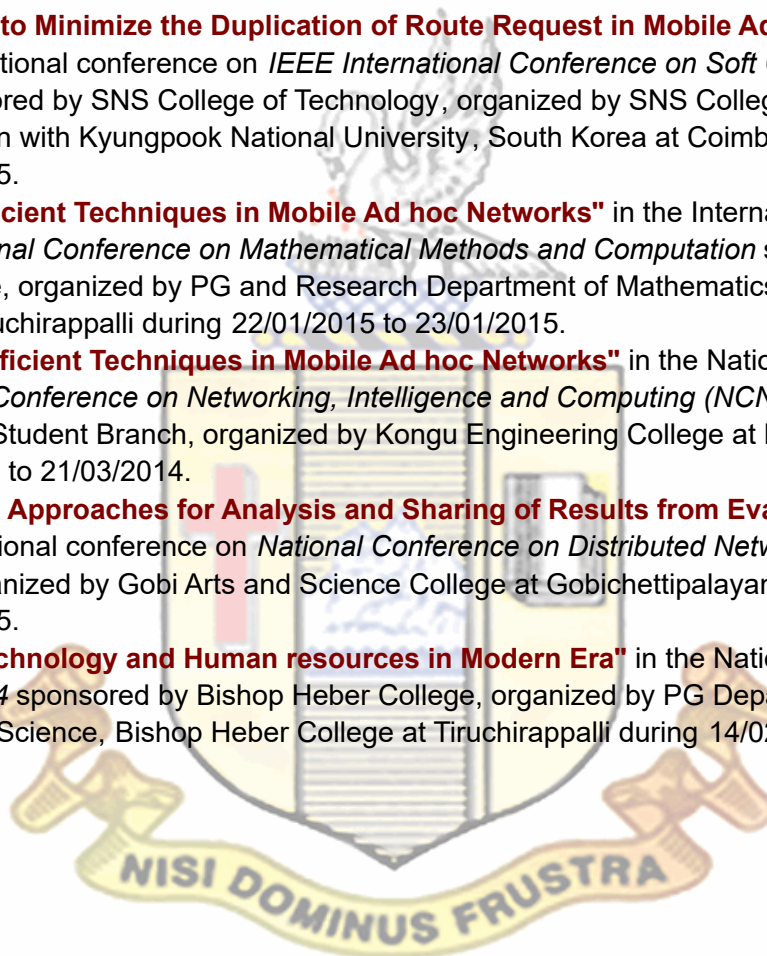
Teaching / Research Experience**U.G. :** 20 years**P.G. :** 20 Years**M.Phil.** 05 years**Ph.D.****Research Guidance****U.G. :** 20 Years**P.G. :** 20 Years**M.Phil. :****Ph.D. :****Table of Contents**

1.	Conferences / workshops / Seminars Attended	27
2.	Research Papers Presented	7
3.	Publication in Journals	6
4.	Publication in Books	0
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	4
7.	Research Projects	0
8.	Resource Person	5
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	1
13.	Professional Membership	1
14.	M.Phil. / Ph.D. Produced	0 / 0

1. College level Workshop on **"One Day Workshop on Examinations and Evaluation Reforms"** sponsored by Bishop Heber College (Autonomous) organized by Internal Quality Assurance Cell (IQAC) at Bishop Heber College (Autonomous), Tiruchirappalli-620 017. during 10/03/2018 to 10/03/2018.
2. College level Orientation on **"Faculty Recharging Programme"** sponsored by Bishop Heber College (Autonomous) organized by Department of Computer Science at Bishop Heber College (Autonomous), Tiruchirappalli-620 017. during 28/08/2017 to 01/09/2017.
3. College level Orientation on **"Faculty Empowerment Programme"** sponsored by Bishop Heber College (Autonomous) organized by Internal Quality Assurance Cell (IQAC) at Bishop Heber College (Autonomous), Tiruchirappalli-620 017. during 14/06/2017 to 14/06/2017.
4. International level Conference on **"Heber International Conference On Applications of Actuarial Science Mathematics, Management And Computer Science"** sponsored by Bishop Heber College(Autonomous) organized by PG Department of Actuarial Science Bishop Heber College(Autonomous) at Tiruchirappalli during 28/11/2016 to 30/11/2016.
5. College level Seminar on **"AWS Cloud Technology Tips and Tricks for Certification"** sponsored by Learning Center organized by Learning Center at Tiruchirappalli during 27/11/2016 to 27/11/2016.
6. College level Workshop on **"Two day workshop on Curriculum design and Evaluation Techniques"** sponsored by DBT organized by Bishop Heber College(Autonomous) at Tiruchirappalli during 21/11/2016 to 22/11/2016.
7. National level Orientation on **"Orientation Programme for Academic Counsellors of MCA/BCA/CIT Programmes"** sponsored by IGNOU organized by IGNOU, Regional Centre, Madurai at Tiruchirappalli during 21/10/2016 to 22/10/2016.
8. International level Conference on **"International Conference On Computing Communication and Information Science(ICCIS16)"** sponsored by Bishop Heber College(Autonomous) organized by Department of Computer Science, Bishop Heber College(Autonomous) at Tiruchirappalli during 28/07/2016 to 29/07/2016.
9. International level Seminar on **"International Seminar On Wearable Devices and Big Data"** sponsored by Bishop Heber College(Autonomous) organized by HEBAA- Heber Alumni Association, Bishop Heber college(Autonomous) at Tiruchirappalli during 06/04/2016 to 06/04/2016.
10. College level Refresher on **"Faculty Enrichment Programme"** sponsored by Bishop Heber College(Autonomous) organized by Internal Quality Assurance Cell, Bishop Heber College(Autonomous) at Tiruchirappalli during 18/02/2016 to 19/02/2016.
11. International level Conference on **"IEEE International Conference On Soft-computing and Network Security"** sponsored by "KYUNGPOOK NATIONAL UNIVERSITY", south korea organized by SNS College of Technology at Coimbatore during 25/02/2015 to 27/02/2015.
12. National level Conference on **"Mathematical Methods and Computation (ICOMAC 2015)"** sponsored by Department of Mathematics, Jamal Mohamed College organized by Jamal Mohamed College at Tiruchirappalli during 22/01/2015 to 23/01/2015.
13. National level Conference on **" Networking, Intelligence and Computing (NCNIC 2014)"** sponsored by Kongu Engineering College (Autonomous) organized by Kongu Engineering College (Autonomous) at Perundurai, Erode during 21/03/2014 to 21/03/2014.
14. National level Seminar on **"Emerging Research Challenges in Computer Science"** sponsored by UGC organized by Bharathiar University at Coimbatore during 28/01/2014 to 29/01/2014.
15. National level Workshop on **"Research Methods and LaTeX"** sponsored by National Institute of Technology organized by National Institute of Technology at Tiruchirappalli during 20/09/2013 to 21/09/2013.
16. College level Workshop on **"Examination Reforms and Evaluation"** sponsored by Bishop Heber College(Autonomous) organized by Bishop Heber College(Autonomous) at Tiruchirappalli during 25/04/2011 to 26/04/2011.

17. National level Workshop on **"Research Tools In Computer Science"** sponsored by Bishop Heber College(Autonomous) organized by Bishop Heber College(Autonomous) at Tiruchirappalli during 28/01/2011 to 29/01/2011.
18. International level Conference on **"International Conference on "Semantic E-Business and Enterprise Computing (SEEC 2009)"** sponsored by UGC organized by Bishop Heber College(Autonomous) at Tiruchirappalli during 04/11/2009 to 06/11/2009.
19. National level Seminar on **"Web Services Architecture and Applications"** sponsored by UGC organized by Department of Computer Applications National Institute of Technology at Tiruchirappalli during 12/12/2008 to 12/12/2008.
20. National level Workshop on **"Workshop for Lesson Writers on Development of Course Materials E-Content & Quality Assurance Measures"** sponsored by IGNOU-DEC organized by Centre for Distance Education Bharathidasan University at Tiruchirappalli during 10/06/2008 to 12/06/2008.
21. National level Workshop on **"Workshop for Lesson Writers on Development of Course Materials (SIM Format) & Quality Assurance Measures"** sponsored by IGNOU-DEC organized by Centre for Distance Education Bharathidasan University at Tiruchirappalli during 27/11/2007 to 29/11/2007.
22. International level Workshop on **"International Workshop On Educators for Mobile Learning"** sponsored by UGC organized by Bishop Heber College(Autonomous) at Tiruchirappalli during 17/07/2007 to 18/07/2007.
23. -1 level Workshop on **"Workshop On Curriculum And Evaluation,(UGC & TANSHE)"** sponsored by UGC organized by Academic Staff College, Bharathidasan University at Tiruchirappalli during 09/03/2006 to 11/03/2006.
24. National level Workshop on **"Workshop on Curriculum Development and Evaluation"** sponsored by TANSHE & UGC organized by Bishop Heber College(Autonomous) at Tiruchirappalli during 09/03/2006 to 11/03/2006.
25. National level Seminar on **"National Seminar On Distributed Networks"** sponsored by UGC organized by Gobi Arts and Science College at Erode during 26/03/2005 to 27/03/2005.
26. State level Seminar on **"Borland Application Cycle Management"** sponsored by Indicom Software and Services organized by Hindustan College of Engineering at Chennai during 16/ 11/2004 to 01/01/1900.
27. National level Conference on **"Library Resource Management in Digital Era"** sponsored by Bishop Heber College(Autonomous) organized by Bishop Heber College(Autonomous) at Tiruchirappalli during 14/02/2004 to 15/02/2004.

1. **"Characteristical Analysis of Mobile Ad hoc Networks"** in the National conference on *National Conference on Computing Technologies* sponsored by Bishop Heber College (Autonomous), organized by Department of Computer Science at Bishop Heber College, Tiruchirappalli-620 017. during 26/02/2018 to 26/02/2018.
2. **"EAR-MIDURR: Energy Aware Routing for Minimizing the Duplication of Route Request in MANET"** in the International conference on *Heber International Conference on Applications of Actuarial Science, Mathematics, Management and Computer Science* sponsored by DST-FIST, organized by PG Department of Actuarial Science, Bishop Heber College (Autonomous) at Tiruchirappalli during 28/11/2016 to 30/11/2016.
3. **"MIDURR: A Technique to Minimize the Duplication of Route Request in Mobile Ad hoc Networks"** in the International conference on *IEEE International Conference on Soft Computing and Network Security* sponsored by SNS College of Technology, organized by SNS College of Technology in association with Kyungpook National University, South Korea at Coimbatore during 25/02/2015 to 27/02/2015.
4. **"A Study on Energy Efficient Techniques in Mobile Ad hoc Networks"** in the International conference on *International Conference on Mathematical Methods and Computation* sponsored by Jamal Mohamed College, organized by PG and Research Department of Mathematics, Jamal Mohamed College at Tiruchirappalli during 22/01/2015 to 23/01/2015.
5. **"A Survey on Energy Efficient Techniques in Mobile Ad hoc Networks"** in the National conference on *National Conference on Networking, Intelligence and Computing (NCNIC 2014)* sponsored by CSI-KEC Student Branch, organized by Kongu Engineering College at Perundurai Erode during 21/03/2014 to 21/03/2014.
6. **"The Data Warehousing Approaches for Analysis and Sharing of Results from Evaluation Experiments"** in the National conference on *National Conference on Distributed Networks* sponsored by UGC, organized by Gobi Arts and Science College at Gobichettipalayam during 26/03/2005 to 27/03/2005.
7. **"Library information Technology and Human resources in Modern Era"** in the National conference on *LIST 2004* sponsored by Bishop Heber College, organized by PG Department of Library and Information Science, Bishop Heber College at Tiruchirappalli during 14/02/2004 to 15/02/2004.



1. **"Good Nearest Neighbour for Minimizing the Duplication of RREQs in MANET"** published in International Journal of Modern Electronics and Communication Engineering (E-JOURNAL) Vol. 7, Issue No. 2, March 2019 ISSN : (Online): 2321-2152.
2. **"MIRO-MIDURR: Minimizing the Routing Overhead and the Duplication of Route Requests in Mobile Ad hoc Networks"** published in International Journal of Computer Science (PEER REVIEW) Vol. 5, Issue No. 1, March 2017 ISSN : ISSN: 2348 – 6600.
3. **"EAR-MIDURR Energy Aware Routing for Minimizing the Duplication of Route Request in MANET"** published in International Journal in IT and Engineering(IJITE) (PEER REVIEW) Vol. 04, Issue No. 11, November 2016 ISSN : 2321-1776.
4. **"XMIDURR A Quality of Service Technique to Save Energy in Mobile Ad hoc Networks"** published in International Journal of Control Theory and Applications(IJCTA) (PEER REVIEW) Vol. 9, Issue No. 27, October 2016 ISSN : 0974-5572.
Impact factor , Scopus Index yes, h - index , Citation index
5. **"A Study on Energy Efficient Techniques in Mobile Ad hoc Networks (MANETs)"** published in Jamal Academic Research Journal (PEER REVIEW) Vol. , Issue No. , January 2015 ISSN : ISSN 0973 – 0303.
6. **"MIDURR A Technique to Minimize the Duplication of Route Requests in Mobile Ad hoc Networks"** published in IEEE Digital Library (CONFERENCE PROCEEDING) Vol. , Issue No. , January 1900 ISSN : ---.

Conferences / Workshops / Seminars Organised

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1. National level Workshop Entitled **"IGNOU Co-ordinators Meeting"** at IGNOU Study Centre (2504), Bishop Heber College (Autonomous), Tiruchirappalli., sponsored by IGNOU Regional Centre, Madurai, during 18/03/2018 to 19/03/2018.
2. National level Conference Entitled **"National Conference on Computing Technologies"** at Tiruchirappalli, sponsored by Department of Computer Science, Bishop Heber College (Autonomous), during 26/02/2018 to 26/02/2018.
3. International level Conference Entitled **"International Conference on Computing, Communication and Information Science (ICCCIS 16)"** at Tiruchirappalli, sponsored by Department of Computer Science, Bishop Heber College (Autonomous), during 28/07/2016 to 29/07/2016.
4. International level Workshop Entitled **"International Workshop On Educators for Mobile Learning"** at Tiruchirappalli, sponsored by Department of Computer Science, Bishop Heber College (Autonomous), during 17/07/2007 to 18/07/2007.

EXTENSION / PART V ACTIVITIES UNDERTAKEN

- 1

1. NSS PROGRAMME OFFICER, NSS for BISHOP HEBER COLLEGE STUDENTS for the Trichy during 01/06/2005 to 01/06/2009.

PROFESSIONAL MEMBERSHIP

- 1

- * Assistant Co-ordinator for IGNOU Study Centre (2504), Bishop Heber College, Tiruchirappalli. of Indira Gandhi National Open University (IGNOU) during 01/01/2012 - Till Date

TRAINING PROGRAMME

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- # NATIONAL level ORIENTATION on **"Meeting of Co-ordinators/Programme In-charges of IGNOU Learner Support Centres"** Sponsored by IGNOU, Organized by IGNOU Madurai Regional Centre at Gandhigram Rural Institute, Dindigul. during 24/02/2020 - 24/02/2020.
- # COLLEGE level ORIENTATION on **"Faculty Recharging Programme"** Sponsored by Bishop Heber College (Autonomous), Organized by IQAC, Bishop Heber College at Tiruchirappalli during 12/06/2019 - 13/06/2019.
- # NATIONAL level ORIENTATION on **"Meeting of Co-ordinators/Programme In-charges of IGNOU Learner Support Centres"** Sponsored by IGNOU, Organized by IGNOU Madurai Regional Centre at IGNOU Regional Centre, Madurai during 08/03/2019 - 08/03/2019.
- # NATIONAL level ORIENTATION on **"Two days Co-ordinator meeting"** Sponsored by IGNOU, Organized by IGNOU Madurai Regional Centre at Hindustan College of Arts and Science, Coimbatore. during 22/07/2017 - 23/07/2017.
- # NATIONAL level ORIENTATION on **"Orientation Programme for Academic Counsellors of MCA/BCA/CIT Programmes"** Sponsored by IGNOU, Organized by IGNOU Madurai Regional Centre at Madurai during 21/10/2016 - 22/10/2016.
- # COLLEGE level ORIENTATION on **"Faculty Enrichment Programme"** Sponsored by Bishop Heber College (Autonomous), Organized by IQAC, Bishop Heber College at Tiruchirappalli during 18/02/2016 - 19/02/2016.
- # COLLEGE level on **"Trained Training programme on environmental and health"** Sponsored by United Board of Christian higher education, Organized by Bishop Heber College at Anaimalai during 26/06/2015 - 27/06/2015.
- # NATIONAL level ORIENTATION on **"Orientation Programme of Academic Counsellors of Management Studies and Humanities"** Sponsored by IGNOU, Organized by IGNOU Madurai Regional Centre at Madurai during 20/02/2014 - 21/02/2014.

RESOURCE PERSON

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1. College level Invited Lectures on **"Mobile Ad hoc Networks"** at Chidambaram Pillai College for Women, Manachanallur, 19/01/2019.
2. College level Invited Lectures on **"Data Communications and Ne Networking"** at Annai Arts and Science College, Kumbakonam, 14/08/2018.
3. International level Invited Lectures on **"Mobile Ad hoc Networks and Wireless Communications"** at IT Research Committee at Shinas College of Technology, Sultanate of Oman, 06/06/2018.
4. College level Invited Lectures on **"Network Security"** at Annai Arts and Science College, Kumbakonam., 18/08/2016.
5. College level Invited Lectures on **"Data Mining and Data Warehousing"** at Annai Arts and Science College, Kumbakonam., 21/01/2016.

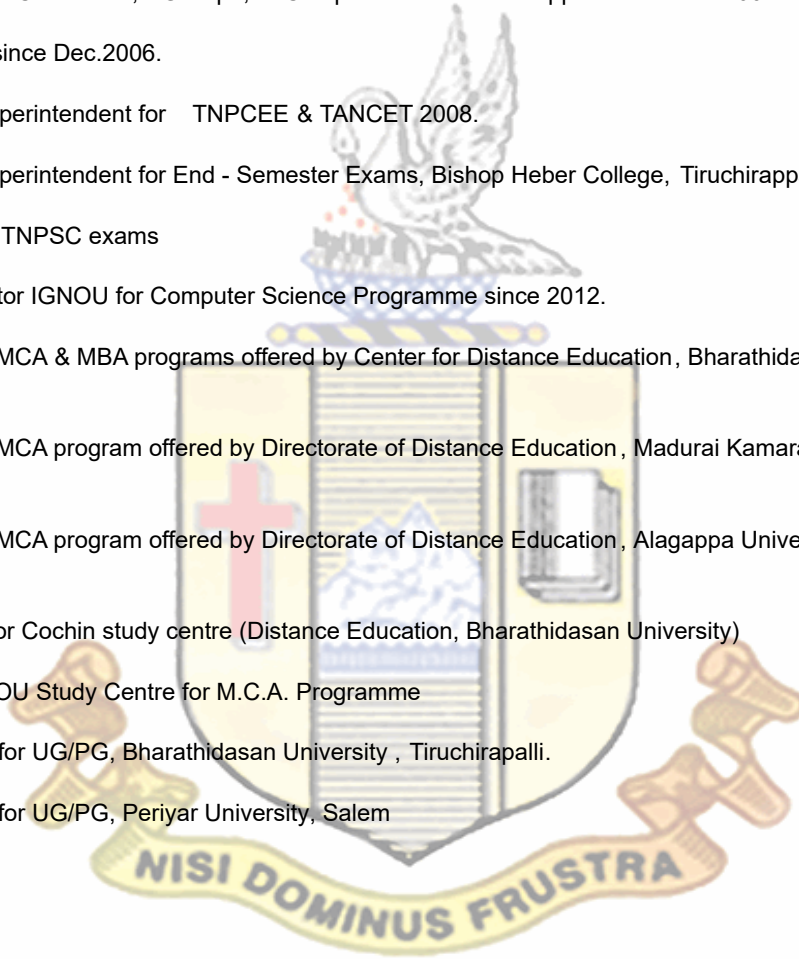
JOURNAL REFEREE

1. **Paper Reviewer And Technical Consultant** of International Journal *"2nd Symposium on Information Technology and Applied Mathematics (SITAM)"*(vol.) at Shinas College of Technology, Sultanate of Oman. during 06/11/2019 - 11/6/2019.



Additional Information

- @ ? Member of Board of Studies, P.G and Research Department of Comp. Science, Bishop Heber College (Autonomous), Tiruchirappali.
- ? President, PG Comp. Science & IT Association (2006-2007), Bishop Heber College (Autonomous), Tiruchirappali.
- ? President, PG Comp. Science Association (2009-2010), Bishop Heber College (Autonomous), Tiruchirappali.
- ? Served as Sub-Warden in Schwartz Hostel (2000-2002).
- ? Head, Examinations Committee, PG Dept., of Computer Science and Applications from 2002-2004.
- ? Mess sub-warden since Dec.2006.
- ? Additional Chief Superintendent for TNPCEE & TANCET 2008.
- ? Additional Chief Superintendent for End - Semester Exams, Bishop Heber College, Tiruchirappali.
- ? Chief Invigilator for TNPSC exams
- ? Assistant Coordinator IGNOU for Computer Science Programme since 2012.
- ? Guest Lecturer for MCA & MBA programs offered by Center for Distance Education, Bharathidasan University, Tiruchirappalli, India.
- ? Guest Lecturer for MCA program offered by Directorate of Distance Education, Madurai Kamaraj University, Madurai, India.
- ? Guest Lecturer for MCA program offered by Directorate of Distance Education, Alagappa University, Karaikudi, India.
- ? Resource Person for Cochin study centre (Distance Education, Bharathidasan University)
- ? Counsellor for IGNOU Study Centre for M.C.A. Programme
- ? External Examiner for UG/PG, Bharathidasan University, Tiruchirappalli.
- ? External Examiner for UG/PG, Periyar University, Salem



Signature of Staff
(M.JAYAKKUMAR)