

Dr. M.MARYMEJRULLO MERLIN

merlinprashanth@gmail.com

Assistant Professor of Mathematics, Holy Cross College(Autonomous), Affiliated to Bharathidasan University, Tiruchirappalli, Tamil Nadu

PROFESSIONAL SUMMARY

Dr. M.Mary Mejrullo Merlin is the Vice- Principal and Assistant Professor of Mathematics, Holy Cross College, Tiruchirappalli. She is holding various key positions at College level which includes, College Nodal Officer, All India Survey on Higher Education, Ministry of Human Resource Development, Co-ordinator of College E-content Development Centre and Assistant Professor of Mathematics, Holy Cross (Autonomous), Tiruchirappalli, India

As a passionate and sincere educational professional with more than fifteen years of teaching experience, she always focuses on implementing and developing educational tools and technologies in classroom teaching and learning process to promote whole person education.

Dr. M.Mary Mejrullo Merlin is an L&D Training Professional, secured Certificate in Teaching, Training and Developing Professionals from Asian college of Teachers(ACT-TQUK).

She is well efficient in co-ordinating and implementing supporting data documents regarding college survey covers on several parameters such as teachers, student enrolment, programmes, examination results, education finance, and infrastructure. As a Co-ordinator of E-content Development Centre, she has sent eleven proposals for creation of e-resources form various disciplines to MOOCS, MHRD for certification level.

Dr. M. Mary Mejrullo Merlin is an intensive researcher who focuses on effective applied research in complex and dynamic scenarios using Fuzzy cognitive Maps and Intuitionistic Fuzzy sets, guiding three full time and two part time research scholars since 2016.

EDUCATIONAL QUALIFICATION

M.Sc., M.Phil., SET, B.Ed., D.C.A., D.G.T., Ph.D.,

EDUCATION

Manonmaniam Sundaranar University, Tirunelveli, TN

Ph.D., Mathematics, Fuzzy Cognitive Map, May 2014.

Dissertation: "Analytical Study on Fuzzy Cognitive Map"

Madurai KamarajUniversity(Distance Edu.), Madurai, TN

M.Phil., Mathematics, June 2006

Bharathiyar University, Coimbatore, TN

SET, Mathematics, March 2006

ManonmaniamSundaranarUniversity ,V.O.C.College of Education, Tuticorin, TN

B.Ed., Mathematics, April 2004

Bharadhidasan University, Holy Cross College,Tiruchirappalli, TN

M.Sc., Mathematics, May 2002

Bharadhidasan University, Holy Cross College, Tiruchirappalli, TN

B.Sc., Mathematics , May 2000.

CERTIFICATION

Internationally Recognized L&D certificate in Teaching, Training and Developing Professionals from Asian college of Teachers(ACT-TQUK), 6th-9th January 2020.

ACADEMIC ACHIEVEMENTS

First position in S.S.L.C. at School level

'Gold Medalist' in M.Sc. Degree Examination

'Best Student Award' in B.Ed. Programme

Secured 'A' grade in the Desktop Applications(DCA) under Au Enmasse College Linkage Programme by Anna University, Chennai ,TN.

Approved Vivekananda Kendra Examination(DGT), Vivekanada Kendra Association, Tuticorin,TN.

TEACHING EXPERIENCE AND INTERESTS

Assistant Professor of Mathematics, Holy Cross College(Autonomous), Affiliated to Bharathidasan University, Tiruchirappalli, since June 2004.

Algebra Analysis Functional Analysis Fuzzy Mathematics
Topology Value based education Whole person education Motivation

AREAS OF RESEARCH

Modeling socio-economic- educational issues with unsupervised data.

Fuzzy Cognitive Map Intuitionistic Set Theory Algebra
Functional Analysis Topology Neutrosophic cognitive Map

CORE COMPETENCIES

Sincere and value based individual
Very good in logical thinking
Ability to assimilate works in work process
Excellent motivating skill
Brilliant teaching competency
Accountability in teaching profession in creating an enlightened student society

ADDITIONAL KEY POSITIONS

College Nodal officer(AISHE) from 2016-2017 onwards.

Co-ordinator for Centre for E-content Development from 2017-2018 onwards.

Core committee member of fine arts in College (2006-2009 and 2014-2016).

Core Committee member in IQAC (2015 onwards).

Worked for IMC award one among 15 members in College level (May 2010-October 2010).

M.Phil. Viva Voce Examiner of Thanthai Hans Roever College, Tiruchirappalli and Arts College, Kumbakonam(2017-2018)

Examiner, Central Valuation, Bharathidasan University, Trichy-2 and Question paper setter in various colleges in Tamil Nadu and Kerala.

PUBLICATIONS

1. Ritha,W., Mary Mejrullo Merlin, M.(2010). Teacher's Beliefs About Mathematics - A FCM Approach, International Journal of Mathematical Sciences and Engineering Applications, 4(3), 165-181, ISSN 0973-9424.
2. Ritha,W., Mary Mejrullo Merlin, M. (2011).Predictors of Interest in Cosmetic Surgery - An Analysis Using Induced Fuzzy Cognitive Maps (IFCMs), Annals of Fuzzy Mathematics and Informatics,2(2), 161-169, ISSN 2093-9310.
3. Ritha,W., Mary Mejrullo Merlin, M. (2011). An Analysis on the Contribution of Different Factors in Promoting Labour Migration Using Multi-step Fuzzy Cognitive Mapping Approach, International Journal of Mathematical Sciences and Applications, 1(3), 1039-1048.
4. Ritha,W., Mary Mejrullo Merlin, M. (2012). An Introspective Analysis of the Recommendations for the Effective English language Acquisition Using Fuzzy Cognitive Map Model, Proceedings of the International Conference on Mathematics in Engineering and Business Management, I, 333-338, ISBN 978-81-8286-015-5.
5. Ritha,W., Mary Mejrullo Merlin, M.(2012). "Peaceless Adolescent Girls" – An Introspective Study of the Challenges Faced by Adolescent Girls in the Present Social and Educational Scenario Using Fuzzy Cognitive Map Model, International Journal of Elixer Social Sciences, 46, 8422-8431, ISSN 2229-7127.
6. Ritha,W., Mary Mejrullo Merlin, M.(2012). "Are Creative Teachers Blissful or Stressful?" - An Empirical Study Using Fuzzy Cognitive Map Constructor, Journal of Computing Technologies, 2(1), ISSN 2278- 3814.
7. Ritha,W., Mary Mejrullo Merlin, M. (2013). The Elevation of Interactive Whiteboard Advantages Using Fuzzy Cognitive Map with Genetic Algorithm, International Journal of Applied Engineering and Technology, ISSN : 2277-212X (Online), 3(1), 27-34, Research Article 27.
8. Ritha,W., Mary Mejrullo Merlin, M. (2013). Prioritizing the Key Competence Expectations of Employers from the University Graduates – A FCM's Perspective, Aryabhata Journal of Mathematics,5(2), Impact factor 0.2933.
9. Ritha,W., Mary Mejrullo Merlin, M. (2013). An Assessment of Early Career Researcher's Challenges using Fuzzy Cognitive Map Rule Extraction Techniques, International Journal of Mathematical Research & Science (IMRS),1(3).
10. Ritha,W., Mary Mejrullo Merlin, M. (2013).Using Fuzzy Cognitive Time Map for Modeling Trust Elements of Successful Interdisciplinary Research, Zadeh Journal of Mathematics.
11. Mary Mejrullo Merlin, M., Ritha,W.,Haripriya,S. (2015). Optimization of Integrated Vendor-Buyer Production Inventory Model with Backorder price discount using various methods, International Journal of Applied Computational Science & Mathematics(IJACSM), ISSN 2249-3042, Vol 5, Number 1, pp 69-82.
12. Mary Mejrullo Merlin, M. (2015). Application of Augmented Fuzzy Cognitive Map in Education, International Journal in IT and Engineering, ISSN : 2321-1776, Vol.03, Issue-03,Impact Factor-3.570.
13. Prioritizing Branded Cars in India by Topsis Method for Multi-Attribute Decision Making Using Intuitionistic Fuzzy Set, Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 13, Number 5 (2017).

14. A combination of Grey Relational Analysis and Minimization of Regret Method in Interval –valued Intuitionistic fuzzy set: Case study in selection process of sales on Mango- based Beverages, *International Journal of Mathematical Archieve-* Vol. 9, No. 1, Jan 2018, 227-232, ISSN 2229-5046, IF: 4.908
15. Application of Fuzzy Cognitive Map in (AJEL) Active, Joyful, Effective learning for Primary level students, *IMPACT: International Journal of Research in Humanities, Arts and Literature*, Vol. 6, Issue1, Jan 2018, IF: 3.6586, NAAS Rating : 3.10
16. A Study of the Influences of Belief System on an Individual’s Success Using Fuzzy Relational Map, *International Journal of Humanities, Arts and Medicine Science*. Vol.5, Issue 12, Dec 2017, IF: 2.8973
17. An Introspective Study on Environmental Hazards of Human Health in the Current Era Using Multi-Step Fuzzy Cognitive Map Model, *International Journal of Humanities, Arts and Medicine Science*. Vol.5, Issue 12, Dec 2017, IF: 2.8973
18. Analysis on Categories of Health Problems Due To Consumption of Junk Foods Using Augmented Fuzzy Cognitive Map, *International Journal of Research in Advent Technology*, Vol.6, No.11, November 2018.
19. A study on a combination of fuzzy cognitive map model and conflicting bifuzzy set theory on the impact of chennai flood, *International journal of engineering sciences & research technology*, 7(7) July, 2018, IF: 5.164
20. A Study on Positive and Negative impacts of Wearable Technology using Neutrosophic Cognitive Map Approach, *International Journal of Research*, Volume 7, Issue X, October/2018.
21. A Comparative Study On The Challenges Faced By Children With Single Parent In Education Using Combined Fcm And Modified Combined FCM, *International Journal of Research and Analytical Reviews (IJRAR)*, Volume.6, Issue 1, Page No pp.939-948, February-2019.
22. An analysis on the impact of human over population in India on the environment using Induced fuzzy cognitive map model, *journal of scientific transactions in environment and technovation*, Vol 11(2), 2017.
23. An Application of Interval Valued Intuitionistic Fuzzy Cognitive Map (IVIFCM) to Prioritize the Eco Friendly Products, *International Journal of Research and Analytical Reviews (IJRAR)*, Vol 6 (1), 2019.

PRESENTATIONS AND PARTICIPATIONS

RECENT:

Presented a Paper on “ Campus Automation and IoT’s” in the International Conference organized by *United Board* on “ Innovations in Education: Opportunities and Challenges in South East Asia” at Soejejapranata Catholic University, Semarang, 28th-29th October 2019.

Represented as a college E-content Mentor in UGC sponsored National Workshop on Swayam, Moulana University, Hyderabad, August 31st, 2018.

Participated and obtained “A” grade in UGC sponsored Subject Refresher Course in Mathematics, Bharathidasan University, Tiruchirappalli, from 13th July -1st August, 2018.

National Level Advanced Workshop on “Effective Strategies in Research Project Proposal Writing and Linking Funding Agencies”, Loyola Institute of Frontier Energy(LIFE) and CAAS Research Foundation,

Chennai, held on October 23 & 24, 2017.

Participated and obtained “A” grade in UGC sponsored 93rd Orientation Programme, Human Resource Development Centre, Bharathidasan University from 2nd March – 29th March 2017.

EARLIER:

- Presented Research articles in 7 International conferences and 2 National Conferences in Tamil Nadu.
- Participated in 8 International Conferences and 5 national and 3 state level workshops in Tamil Nadu.

Hereby, I declare that all the above furnished details are true to my knowledge.



[Dr. M.MARY MEJRULLO MERLIN]