



Name: Dr. P. R. Thiripura Sundari

Qualification: M. Sc., M.Phil., M.E(SEOR),Ph.D

Designation: Assistant Professor

Previous Experience: UG: 25 years PG:2

Area of Specialization: Operations Research & Stochastic Processes

Email – ID: thiripurasundari_pr@ethirajcollege.edu.in

WORKSHOPS

S. No.	Organized by	State/National/ International	Topic	Date(s)
1	Anna University, Chennai	National	One day workshop on Trends in Operations Research and Applications	23/12/2008
2	Sathyabama University, Chennai	National	National Workshop on Applications of Logic	22/10/2009 to 24/10/2009
3	DMI College of Engineering, Chennai	National	Mission 10X workshop	11/07/2010 to 15/07/2010
4	Anna University, Chennai	International	International workshop on Recent Trends in Stochastic Modelling and Mathematical Finance	22/12/2011 to 24/12/2011
5	VIT University, Chennai	National	Two Days National Workshop on Structural Equation Modeling (SEM) using AMOS and its applications	09/08/2014 to 10/08/2014
6	VIT University, Chennai	National	One Day Workshop on Structural Equation Modeling (SEM) using AMOS and its applications	12/08/2017
7	VIT University, Chennai	National	Matlab Workshop on Fuzzy Optimization Algorithms	22/08/2019
8	Loyola College, Chennai	National	Workshop on Mathematical Analysis (Online)	28/06/2020 to 30/08/2020

CONFERENCES ATTENDED / PRESENTED PAPER

S. No.	Organized by	State/National/ International	Participate d/ Presented	Title	Date(s)
1	Saveetha Institute of Medical and Technical Sciences, Chennai	The National Conference on Advances in Science, Humanities and Technology	Presented	Non Linear Inventory Optimization Model for Stochastic Replenishment and Fuzzy Demand	13/03/2020 to 14/03/2020
2	Amrita School of Engineering, Coimbatore	International Conference on graph Theory and Its Applications	Presented	Non Linear Inventory Optimization Model for Stochastic Replenishment and Fuzzy Demand	11/12/2008 To 13/12/2008
3	MEPCO Schlenk Engineering College, Sivakasi	International Conference on Emerging Trends in Mathematics and Computer Applications	Presented	On the Mean Production rate Analysis of a transfer – line production System with a rework machine	16/12/2010 To 18/12/2010
4	VIT University, Chennai	National Conference on Recent Trends in Mathematical Computing	Presented	Analysis of Inventory Optimization using Genetic Algorithm and Simulated Annealing	23/08/2013
5	VIT University, Chennai	International Symposium on Big Data and Cloud Computing Challenges	Presented	Design and Analysis of a Non Linear Optimization Inventory model for Uncertain Quantity	12/03/2015 to 13/03/2015
6	VIT University, Chennai	International Conference on Mathematical Computer Engineering	Presented	Design of Multi Product Inventory Model with Stochastic Replenishment and Fuzzy Demand	14/12/2015 to 15/12/2015
7	SA Engineering College, Chennai	National Conference on Emerging Trends in Mathematical Sciences	Presented	Non Linear Inventory Optimization Model for Stochastic Replenishment and Fuzzy Demand	22/12/2016
8	SSN College of Engineering, Chennai	International Conference on Mathematical Methods, Modeling and Simulation in Chemical Sciences	Presented	Non Linear Inventory Optimization Model for Stochastic Replenishment and Fuzzy Demand	13/12/2018 to 14/12/2018
9	Saveetha Institute of Medical and Technical Sciences, Chennai	The National Conference on Advances in Science, Humanities and Technology	Presented	Non Linear Inventory Optimization Model for Stochastic Replenishment and Fuzzy Demand	13/03/2020 to 14/03/2020
10	DMI College of Engineering, Chennai	National Conference on emerging Teqniques in Science and Humanities	Presented	Reverse Supply Chain Inventory Management with Remanufacturing of Multiple Products	16/12/2021 to 17/12/2021

SEMINARS

S. No.	Organized by	State/national/international	Topic	Date(s)
1	DMI College of Engineering, Chennai	National	National Seminar on Research Areas in Image processing	18/09/2009 to 19/09/2009
2	Rajalakshmi Engineering College, Chennai	National	AICTE sponsored National Seminar on Number Theory and Cryptography	05/08/2010 to 06/08/2010
3	DMI College of Engineering, Chennai	National	National Seminar on Cryptography and Its Applications	10/12/2010
4	Anna University of Technology, Thurichirapalli	National	Two days National Seminar on Computational Optimization	20/04/2011 to 21/04/2011

CERTIFICATE COURSES /VALUE ADDED COURSES

S. No.	Offered by	Topic	Duration
1	Swayam-NPTEL	Regression Analysis	12 weeks
2	Swayam-NPTEL	Introduction to Machine Learning	12 weeks

JOURNAL PUBLICATIONS

S.No.	JOURNAL NAME	UGC /SCI/ SCIE/ WOS	ISBN / ISSN NUMBER	REFERENCE	DATE OF PUBLICATION / DOI
1	Electronic Notes in Discrete Mathematics, Elsevier	SCI	ISSN: 1571-0653	V. Yegnanarayanan, P.R. Thiripura Sundari and T. Padmavathy, "On Some Graph Operations and Related Applications", Elsevier, Electronic Notes in Discrete Mathematics 33 (2009) 123-130.	2009
2	ARNP Journal of Engineering and Applied Sciences	Scopus	ISSN 1819-6608	Thiripura Sundari P R and Vijayalakshmi C, "Design And Analysis of a Non Linear Optimization Inventory Model for Uncertain Quantity, 10 (11), 4882-4887, ARPN Journal of Engineering and Applied Sciences (Scopus Indexed),ISSN 1819-6608.	2015
3	Global Journal of Pure and Applied Mathematics	Scopus	ISSN 0973-1768	Thiripura Sundari P R and Vijayalakshmi C, "A Comprehensive Review of Closed Loop Supply Chain", Global Journal of Pure and Applied Mathematics (Scopus Indexed), ISSN 0973-1768; (2016); Volume 12, Issue 4, pages 2785-2796.	2016
4	Journal of Pure & Applied Mathematics	Scopus	ISSN: 1311-8080	Thiripura Sundari P R and Vijayalakshmi C, "Inventory Management in Reverse Supply Chain with Remanufacturing of Multiple Products using Multiple Collection sites", International Journal of Pure & Applied Mathematics, (Scopus Indexed),Volume 109, Issue 7 (2016), pages 135-142.	2016
5	Solid State Technology	Scopus	ISSN 0038-111X	Thiripura Sundari P R and Vijayalakshmi C, "Non Linear Inventory Optimization Model for Stochastic Replenishment and Fuzzy Demand", Solid State Technology (Scopus Indexed).Volume 63, Issue 6 (2020), pages 5641-5653.	2020

FDP/STTP

S. No.	Organized by	State/National/International	Topic	Date(s)
1	Anna University, Chennai	State	Faculty Development Training Programme (FDTP) on MA2265-Discrete Mathematics	15/06/2011 to 22/06/2011
2	Rajalakshmi Institute of Technology, Chennai	State	Faculty Development Training Programme Algebra and Number Theory	12/06/2019
3	Rajalakshmi Institute of Technology, Chennai	State	Faculty Development Training Programme Probability and Random Processes	07/06/2018
4	St.Francis de Sales College, Bangalore.	State	Five Day Online FDP ON Quality Improvement :Online Teaching, Learning and Assessment	05/06/2020 – 08/06/2020
5	K.Ramakrishnan College of Engineering, Coimbatore	National	Techniques and Applications in Teaching Engineering Mathematics.	10/06/2020 to 11/06/2020
6	Kumaraguru College of Technology, Coimbatore	International	Mathematical Modeling for Data Analytics and Engineering	29/06/2020 to 05/07/20
7	Stella Maris College , Chennai	International	Recent Advancements in Discrete Mathematics	22/06/2020 to 25/06/2020
8	Sacred Heart College , Vellore	International	Introduction to Machine Learning	29/05/2020
9	DMI College of Engineering, Chennai	State	Overview of Outcomes and CO-PO Mapping- Margdharsan	27/03/2021
10	JP College of Arts and Science, Thenkasi	National	Mind Warming and Best Motivational Skill for Next Generation Teachers	10/06/2021 & 11/06/2021

WEBINARS

S. No.	Organized by	State /National / International	Topic	Date(s)
1	Kongunadu College of Engineering and Technology, Trichy	National	Optimization of Fuzzy Inventory Models	29/05/2020
2	Ethiraj College for Women, Chennai	National	Moodle LMS” Install, Create class,Add content and Enroll students	28/05/2020
3	St. Joseph'sInstitute of Technology, Chennai	National	Exposure to Data Analytics Software	29.07.2020 to 31.07.2020
4	Nanjil Catholoic College of Arts and Science, Kanyakumari	National	Current Trends in Teaching Methods and Strategies in Higher Education	18/05/2020
5	St. Joseph's Institute of Technolgy	National	Exposure to SageMath	30/06/2020
6	Kongunadu College of Engineering and Technology, Trichy	International	Optimization of Fuzzy Inventory Models	29/05/2020
7	SRM Institute of Science and Technology , Ramapuram	International	Janowski Functions Associated with the Conic Domains	19/07/2020
8	St. Joseph's Institute of Technolgy, Chennai	International	Recent Advances in Graph Theory and Neural Networks	14/07/2020 to 16/07/2020
9	Bharath Institute of Higer Education and Research	National	Complex Analysis and its Applications	10/04/2021
10	Hindustan College of Engineering and Technology	National	Workshop on Integer Optimization Techniques	30/06/2021
11	Saveetha Institute of Technical and Medical Sciences	National	Lecture Series in Mathematics- Optimization Algorithm	18/12/2021

OTHERS:

Presented the problem solving techniques in Karpoom Kanitham in **Makkal Television**

RESOURCE PERSON:

S. No.	Organized by	State /National / International	Topic	Date(s)
1	DMI College of Engineering, Chennai	National	Anna University Sponsored Faculty Development and Training Programme in Discrete Mathematics- “Logic”	15/06/2011 to 22/06/2011
2	Bharath Institute of Science and Technology, Chennai	National	Webinar -“ Inventory Optimization”	29/05/2021
3	JP College of Arts and Science	National	FDP-Institutional Excellence and Best Practices –“Optimization and Decision Making”	01/07/2021
4	DMI College of Engineering, Chennai	State	Seminar – “Number Theory and its Application in Cryptography”	22/07/2021
5	Andhra Loyola College(Autonomous)Sciences	International	Invited talk-International e-Conference on Recent Trends in Mathematical Sciences- - “Inventory Optimization in Reverse Supply Chain with Remanufacturing”	29/07/2021
6	St. Joseph College of Engineering	State	Seminar-“Overview of Engineering Mathematics”	27/11/2021

BOOKS PUBLISHED:

2. Co-authored a Text book Probability and Queueing Theory,(ISBN No. 978-81-89843-47-2) Publisher: Dhanam Publishers, Chennai.
3. Co-authored a Text book Engineering Mathematics II, (ISBN No. 978-81-89843-27-4) Publisher: Dhanam Publishers, Chennai.
4. Co-authored a Text book Engineering Mathematics I, (ISBN No. 978-81-89843-25-0) Publisher: Dhanam Publishers, Chennai.