

FACULTY PROFILE

Name : Mrs. P. MALA
Designation : Assistant Professor
Department : Science and Humanities
Official address for Communication : National Engineering College,
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1. Personal Details:

Date of Birth & Age : 11.03.1986 & 36
Sex & Marital Status : Female & Married
Nationality : Indian

Qualification

Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
State Eligibility Test (SET)	Mathematics	-	2017	-
Ph.D.	Mathematics	-	Confirmation DC meeting completed on April 2019	Mepco Schlenk Engineering College, Sivakasi / Anna University, Chennai
M.Phil	Mathematics	83.5%	2009	Ayya Nadar Janaki Ammal College Sivakasi / Madurai Kamaraj University
M.Sc	Mathematics	85.83%	2008	Ayya Nadar Janaki Ammal College Sivakasi / Madurai Kamaraj University
B.Sc	Mathematics	87.35%	2006	Sri Kaliswari College, Sivakasi / Madurai Kamaraj University

Professional Experience

Designation	Institution/ Organisation	Period	Nature of Duties
Assistant Professor	Sri Kaliswari College, Sivakasi.	11.06.2009 - 30.04.2013	Teaching
Assistant Professor (SS)	Kamaraj College of Engineering and Technology	02.05.2013 - 30.06.2022	Teaching
Assistant Professor	National Engineering College, Kovilpatti	13.07.2022 – till date	Teaching

Date of joining : 13.07.2022
Present status : Assistant Professor

Courses taught

Course Title	U.G. or P.G.
Engineering Mathematics I	U.G
Engineering Mathematics II	U.G
Transforms and PDE	U.G
Numerical Methods	U.G
Statistics and Numerical Methods	U.G
Probability and Statistics	U.G
Graph Theory and Applications	U.G
Discrete Mathematics	P.G
Applied Mathematics for Electrical Engineering	P.G
Applied Mathematics for Bio-Technology	P.G

2. Academic Achievements

2.1 Short term Courses / Seminars / Conference/ Workshops Attended:

S.No	Title	Programme	Date	Venue
1.	CMI – NASI Online Workshop on Linear Algebra & Elementary Number Theory	Online Workshop	27.01.2022 to 26.02.2022.	Mepco Schlenk Engineering College, Sivakasi
2.	AICTE- Workshop on “Examination Reforms”	Online Workshop	28.6.2021 to 30.6.2021	AICTE and KLE Technological University, Hubli, Karnataka
3.	National Centre for Mathematics (NCM) Sponsored WORKSHOP on Advanced training in Mathematics: Online Teachers Enrichment Workshop (TEW) on “Algebra and Discrete Mathematics”	Advanced training in Mathematics	19.11.2020 to 03.01.2021	Mepco Schlenk Engineering College, Sivakasi
4.	AICTE- QIP sponsored Short Term Course on “Advanced Matrix Algebra and Applications	sponsored Short Term Course	17.09.2019 to 23.09.2019	IIT Gharagpur
5.	National centre for Mathematics (NCM) sponsored WORKSHOP on “Advanced training in Mathematics: Teachers Enrichment Workshop on “Linear Algebra and Multi Variable Calculus”	Advanced training in Mathematics	13.5.2019 to 18.5.2019	Mepco Schlenk Engineering College, Sivakasi

2.2 Publications

Journal publications

International Journals : 9

International Conference : 1

I. INTERNATIONAL JOURNAL PUBLICATIONS

Sl.No	Title of the paper	Authors	Journal	Volume Pages Year
1.	Two-warehouse system for non-instantaneous deterioration products with promotional effort and inflation over a finite time horizon	M. Palanivel, S. Priyan, P. Mala	Journal of Industrial Engineering International	14 (3) 603-612 (Scopus)
2.	A two-echelon inventory system involving fuzzy backorder and trade credit under lot-size, production rate and lead time interactions	S. Priyan, P. Mala , S.Tiwari	RAIRO-Operations Research	53 (2) 517-538 (SCI)
3.	Optimal inventory strategies for multi-echelon supply chain system involving carbon emissions and fuzzy deterioration	S. Priyan, P. Mala	International Journal of Logistics Systems and Management	Vol. 37, No. 3, 324 -350 (Scopus)
4.	Two-echelon supply chain system for pharmaceutical products incorporating quality degradation	S. Priyan, P. Mala	Operations Research for Health Care	24 (2020) , 10025, 1 – 13 (Scopus)
5.	Multi-echelon Supply Chain Model for Deteriorating Products in a Fuzzy Deterioration Environment	S. Priyan, P. Mala	Fuzzy Information and Engineering	11:1, 86–104 (Scopus)
6.	Sustainable decision-making approach for dual-channel manufacturing system under space constraint	P. Mala , S. Priyan, M. Palanivel	Sustainability	13, 11456 (SCI)
7.	A sustainable dual-channel inventory model with trapezoidal fuzzy demand and energy consumption, Cleaner Engineering and Technology	P. Mala , S. Priyan	Cleaner Engineering and Technology	6, 100400 (Scopus)
8.	A Sustainable Approach for Smart Supply Chain with Quality Humiliation and Carbon Emission Cost	P. Mala , S. Priyan	Asian Journal of Fuzzy and Applied Mathematics,	Volume 9 – Issue 1, February 2021
9.	A cleaner EPQ inventory model involving synchronous and asynchronous rework process with green technology investment	S. Priyan, P. Mala , M. Palanivel	Cleaner Logistics and Supply Chain	Volume 4, July 2022, 100056

II. INTERNATIONAL CONFERENCE PUBLICATIONS

Sl. No	Title of the paper	Authors	Name of the conference	Venue	Date
1.	A Sustainable Approach for Smart Supply Chain with Quality Humiliation and Carbon Emission Cost	P.Mala S. Priyan	International Conference on AICTE Sponsored International Conference on Recent Advances in Electrical, Electronics, Computer and Communication engineering- IConRAEECCCE'19	Mepco Schlenk Engineering College, Sivakasi	05.12.2019 – 07.12.2019

2.3 COURSES COMPLETION

Sl.No	Name of the Course	Organizer	Score	Academic Year
1	Operations Research (FDP)	NPTEL	73	Feb-Apr 2020
2	Probability and Statistics (FDP)	NPTEL	74	Jan-Apr 2019
3	Introduction to Abstract and Linear Algebra	NPTEL	78	Aug-Oct 2018
4	Multi Variable Calculus	NPTEL	63	Feb-Mar 2018
5	Probability and Random Variables/ Processes for wireless Communications	NPTEL	58	Jan-Feb 2017