

BIO - DATA



1. Name (Block Letters) : Dr.P.CHITRA DEVI
2. Designation : Assistant Professor
3. D.O.J : 28.12.2017
4. Mail ID : chitradevi@mannarcollege.ac.in
5. Field of Specialization : Stochastic Inventory Systems
6. Qualification : M.Sc., M.Phil., Ph.D
 - a) Ph.D Completed (year) : 2017
 - b) Ph.D Registered (year) : 2010
7. Teaching Experience
 - Till this year : 14 years 2 months
 - a. UG : 14 years 2 months
 - b. PG : 14 years 2 months

Work Experience:

- Assistant Professor from 27.6.2005 to 15.4.2007 in P.K.R Arts College, Gobichettipalayam
- Assistant Professor from 1.12.2008 to 30.11.2014 in G.T.N Arts College, Dindigul
- Assistant Professor from 28.12.2017 to till date in Mannar Thirumalai Naicker College, Madurai

8. Subject Expert/ **member in Board of Studies** / Interview Panel / Doctoral Committee
University Nominee : Two

S.No	Expert/ Member	Name of the institution	Board / Interview Panel	Date
1.	Member in Board of Studies	Vellalar College for Women, Erode	Board of Studies	09.06.2023

2.	Chair person for Online Paper Presentation	Hajee Karutha Rowther College, Utthamapalayam	National Conference on “Applications of Mathematics in Digital Era”	06.10.2023
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9. Details of recognized research guides

S.No	Subject	Date & Month of award of Guideship	Guideship Number
1.	Mathematics	May 2022	2178/22

10. Number of Projects Guided : 2

S.No	Title of the Project	Name of the Student	UG /PG / M.Phil	Register No	Name of the Organization	Year
1.	A Dominating Set in Internal and Circular Graphs	N.Suganya	M.Phil	197215EP153	Mother Teresa Women's University, Kodaikanal.	April 2023
2.	A Study on CDPU Hypergraphs in Graphs	G.Sugumari	M.Phil	207215EP155	Mother Teresa Women's University, Kodaikanal.	April 2023

11. Number of M.Phil / Ph.D Thesis Evaluated : 1

S. No	Name	Name of the Scholar / Register Number	Name of the Supervisor	Title	Name of the University	Month & Year
1.	Dr.P.Chitra Devi	Mrs.M.Dhanalakshmi 2021PR0013	Mrs.P.S. Kayalvizhi	A Study on Sequential Coupled Differential Equations of Fractional Order	Bharathiar University	December 2022

12. Details of Workshops / Seminars / Conference attended : 51

S.No	Name of the Programme	Name of the Institution	Date
1.	Workshop on “Technicalities of Writing Research Proposal	Research Committee, M.T.N.College, Madurai	29.06.2018
2.	Webinar on “ Qualitative Analysis of Differential Equation and its	Dept. Of Mathematics, G.T.N.Arts College, Dindigul.	21.05.2020

	Application”		
3.	Webinar on Graph theory & human factors in aviation	GVN College , Kovilpatti	3 to 5.6.2020
4.	Webinar on Fuzzy logic & its application	Rohini College of Engineering and Technology, Kanyakumari	12.6.2020
5.	Webinar on Polynomials associated with graphs	Tirunelveli dhakshina maranadar snagam College , T,Kallikulam	15.6.2020
6.	Webinar on Edge coloring in graphs	Pope’s College	18.6.2020
7.	Webinar on Introduction to matlab	Gobi Arts and Science College	26.6.2020
8.	Webinar on Recent trends in mathematical modeling	MTNCollege	27.06.2020
9.	Webinar on Graph coloring problems	VOC College, Thoothukudi	8.7.2020
10.	Webinar on Soft-computing by soft sets	Don Bosco College	10.7.2020
11.	Webinar on Online Assessment Tool	PG & Research Department of Mathematics, A.D.M. College for Women, Nagapattinam	27.07.2020
12.	Webinar on Mathematical Analysis and Probability	JK College , Purulia, west Bengal	04.10.2020
13.	Webinar on Tactics on Writing Articles in High Impact Social Science Journals	Rajapalayam Raju’s College	19.10.2020
14.	Webinar on Blockchain	Jerusalem College of Engineering	28.10.2020
15.	Workshop on “How to make our Communication Effective in Virtual Teaching	Department Of Applied Science, Sagar Institute Of Research & Technology, Bhopal	28.10.2020
16.	Conference on Algebraic Graph Theory and Application	Department of Mathematics, Presidency University , Kolkata.	21.11.2020
17.	Webinar on Role of Human Resource and Organizational Behaviour in Business Sustainability	Institute of National Excellence and Management, Ghaziabad , Uttar Pradesh	25.11.2020
18.	Should Teachers And Students Be Friends On Social Media	Department Of Maths, VVV College, Tripura	15.06.2021
19.	Implementation of Academic Bank of Credits	Guru Angad Dev Teaching-Learning Centre, SGTB Khalsav college, University of Delhi	10.07.2021
20.	The Importance of Data Visualization	Guru Angad Dev Teaching-Learning Centre,SGTB Khalsa college, University of Delhi	10.08.2021

21.	Climate Change	HRDC, Bharadhidasan University, Trichy	11.08.2021
22.	International virtual conference on Applications of Mathematics	Department Of Mathematics, Government Arts College, Trichy	04.09.2021
23.	Teacher's e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education	Guru Angad Dev Teaching-Learning Centre, SGTB Khalsa college, University of Delhi	09.09.2021
24.	Recent Advances in Fractional Calculus	Department of Mathematical Sciences, P. D. Patel Institute of Applied Sciences (PDPIAS), Charotar Department of Mathematical Sciences, P. D. Patel Institute of Applied Sciences (PDPIAS), Charotar	30.09.2021 to 01.10.2021
25.	Art of Successful Living with Maths	Department of Mathematics , NMSS Vellaichamy Nadar College, Madurai	25.10.2021
26.	Industrial Revolution 4.0: A Synergistic Approach Through Resilience, Reinvention and Sustainable Development	IQAC, Shree L.R.Tiwari Degree College of Arts, Commerce & Science & University Of Mumbai	05.02.2022
27.	Recent Advances on Mathematics	Department of Mathematics, Shree Shivaji Arts, Commerce & Science College, Rajura, Dist. Chandrapur & Vidya Vikas Arts, Commerce & Science College, Samudrapur, Dist. Wardha	31.03.2022
28.	Intellectual Property Rights & Patent Filing	Department of Physics, Department of Mathematics, Indira Gandhi Kala Mahavidyalaya, Ralegaon in collaboration with Knowledge Resource Center	08.04. 2022
29.	Two days In-service Teacher Training programme	Sri Meenakshi Government Arts College for Women, Madurai	05.05.2022 & 06/05/2022
30.	Educational Framework for Global Citizenship	UGC –HRDC Bharathidaasan University, Trichy	27.06.2022
31.	Changing Role of Teachers : NEP (2020) Perspectives	UGC HRDC Bharathidasan university, Trichy	08.09.2022
32.	Fuzzy Mathematics	Gonzaga College of arts and Science for women , Kathampallam , Elathagiri	26.12.2022
33.	Non –Linear Optimization in Mathematics	Operational Research Society of India, Meerut chapter	16.10.2022

34.	Contemporary issues in Sustainable supply chain MANAGEMENT , Modelling and Optimization	Operational Research Society of India, Meerut chapter	24.09.2022
35.	Latex	IQAC & Department of Commerce , ssc College of Arts and Commerce , Thane	18.07.2022 to 23.07.2022
36.	Future of Teaching Learning	Guru Angad Dev Teaching-Learning Centre,SGTB Khalsa college, University of Delhi	29.11.2022
37.	Multidisciplinary in the context of NEP 2020	UGC-HRDC, Kannur University	28.06.2022
38.	Changing Role of Teachers: NEP (2020)Perspectives	UGC-HRDC, Bharathidasan University , Trichy	08.09.2022
39.	Contemporary Issues in Sustainable Supply Chain Management: Modeling and Optimization	Operational Research Society of India, Meerut Chapter	24.09.2022
40.	Non-Linear Optmization in Mathematica	Operational Research Society of India, Meerut Chapter	16.10.2022
41.	Current Trends in Applied Mathematics & IPR- 2022	PG & Research Department of Mathematics, MTNC	7.10.2022
42.	IP Awareness / Training Program	National Intellectual property Awareness Mission, India	7.10.2022
43.	Fuzzy Mathematics	PG Department of Mathematics ,Gonzaga College of Arts and Science for Women, Kathampallam, Elathagiri	26.10.2022
44.	Future of Teaching- Learning	Guru Angad Dev Teaching-Learning Centre,SGTB Khalsa college, University of Delhi	29.11.2022
45.	National Mathematics Day	PG & Research Department of Mathematics, MTNC	21.12.2022
46.	National Mathematics Day- World Record	PG & Research Department of Mathematics, MTNC	22.12.2022
47.	Recent Trends in Graphs and Networks in Digital World	Department of Mathematics,HKRH College, <u>Uthamapalayam</u>	03.03.2023
48.	Machine Learning: An Ice Breaker Between Materials Research and Data Science	SSN Research Centre, SSN Institutions Chennai	12.04.2023 & 13.04.2023
49.	National Conference on “Applications of Mathematics in Digital Era”	Hajee Karutha Rowther College, Utthamapalayam	06.10.2023
50.	State Level Technical Workshop on Intellectual Property rights	Mannar Thirumalai Naicker College	16.10.2023 & 17.10.2023
51.	State Level Workshop on “Differential Equations and its Equations”	M.S.P.Mandal’s Arts, Commerce and Science College, Kille- Dharur, Beed	21.10.2023

13. Number of Papers / Posters Presented :3

Conferences / Seminars :3

S. No	Name of the Programme	Name of the Institution	Title of the paper	Date
1.	Two-day International Conference on Exploration of Contemporary Mathematical Sciences – 2022 (ICECMS – 2022)	PG and Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai	Inventory System with Multiple Vacation under N-Policy	17/03/2022 & 18/03/2022
2.	National Conference on Presence Scenario in Mathematical Research (PSMR – 2022)	PG and Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai	A Perishable Two-Commodity Inventory	22.04.2022
3.	Recent Trends in Graphs and Networks in Digital World	Department of Mathematics, HKRH College, Uthamapalayam	Operations on Neutrosophic Vague Soft Graphs	03.03.2023

14. Details of Professional development Programmes attended

- a. Refresher Courses : 1
- b. Orientation Courses : 1
- c. Faculty Development Programmes (FDP) : 20
- d. Short Term Courses : 0
- e. Training Programmes : 1
- f. Other Programmes : 0

S. No	Name of the Professional Development Programme	Date and No.of Days	Name and address of the Institution imparting training
1.	Refresher Course on “Mathematics & Computer Science”	14 days/ 07.12.2021 to 20.12.2021	UGC- HRDC, DAVV, Indore.
2.	Faculty Induction Programme	30 days/ 18.11.2020 to 17.12.2020	UGC- HRDC ,Bharathidasan University, Trichy
3.	Outcome Based Curriculum	1 day/ 09.03.2019	IQAC,MTNC
4.	e-content Development and Digital tools usage	1 day / 29.02.2020	IQAC,MTNC
5.	21 st Century Skills	1 day / 05.03.2020	IQAC,MTNC

6.	Quality Assurance and Sustenance in Higher Education	1 day / 11.03.2020	IQAC, MTNC
7.	Faculty Enrichment Program	1 week / 13.5.20 to 19.5.20	IQAC, MTNC
8.	Faculty Research Program: Dynamics in Research Publications	2 days / 15 & 16.09.2022	IQAC, MTNC
9.	Faculty Induction Programme	One month / 23.4.19 – 22.5.19	Gandhigram Rural Institute, Gandhigram
10.	Data Analysis and Visualisation of COVID – 19 Data set Using PYTHON	1 day / 07.05.2020	Department of Commerce , Jerusalem College of Engineering with CIRF, Chennai.
11.	Fuzzy Sets & Systems	1 day / 16.5.20	Dept. Of Mathematics , Shift I, Patrician College Of Arts & Science , Chennai.
12.	Application Of Optimization Techniques In Science & Engineering Research	5 days / 23.8.20 To 27.8.20	BKBIET-PILANI, Rajasthan
13.	Research Ethics	2 days / 29 & 30.03.2021	Central Library , Vivekananda College , Madurai
14.	Applicable Mathematics And Programming In Science And Technology”	6 days / 7.6.21 to 12.6.21	Department Of Mathematics, Mohamed Shadak A J College Of Engineering, Chennai
15.	Advanced Graph Theory	3 months / Feb-April 2021	NPTEL , IIT Patna.
16.	Applicable Mathematics and Programming in Science and Technology”	07.06.2021 to 12.06.2021	Department of Mathematics, Mohamed Shadak A J College of Engineering, Chennai
17.	Introduction to Operations Research	8 Weeks Feb – April 2022	NPTEL , Indian Institute of Technology, Madras
18.	Latex	18th - 23rd July 2022.	IQAC & Department of Commerce , SSC College of Arts and Commerce, Ulhasnagar, Thane
19.	Dynamics on Research Publications	15 & 16th September 2022	IQAC & Research Committee, MTNC
20.	Current Trends in Applications of Mathematics	21.09.2022 to 04.10.2022	Department of Mathematics , School of Sciences and Humanities,

			Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technology , Chennai .
21.	Introduction to Probability and Statistics	Jan-Feb 2023	NPTEL , Indian Institute of Technology, Madras
22.	Numerical Methods: Finite Difference Approach	Jan-Feb 2023	NPTEL , Indian Institute of Technology, Patna
23.	Two days In-service Teacher Training programme	05.05.2022 & 06/05/2022	Sri Meenakshi Government Arts College for Women, Madurai

15. Details of Paper Publications: 3

a. Journal (Notified on UGC Care list Journals)

S. No	Title of paper	Name of the author/s	Name of journal	Month & Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
1.	Neutrosophic Bipolar Vague Line Graph	P. Chitra Devi and P. Anitha	Gorteria Journal	June 2021, Volume 34, Issue 6-	0017-2294	http://gorteria.nationalherbarium.com/	https://fs.unm.edu/neut/NeutrosophicBipolarVagueGraph.pdf	Yes
2.	Neutrosophic Bipolar Vague Incidence Graph	P.Anitha & P.Chitra Devi	Gorteria Journal	August 2021, Volume 34, Issue 8	0017-2294	http://gorteria.nationalherbarium.com/	https://www.researchgate.net/publication/347481062_Neutrosophic_Vague_Incidence_Graph	Yes
3.	Some Fixed Point Theorem On E-Metric	D. Dhamodharan, A. Mohamed Ali, P. Chitra Devi	Journal of Mathematical And Computer	October Volume 11, No.6	1927-5307	https://www.isr-publications.com/jmcs	http://scik.org/index.php/jmcs/article/view/6773	Yes

	Space Using Cyclic Mappi ngs		Science					
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16. Bibliometrics of the publications based on Scopus Index/ Web of Science or Pub Med / h-index Indian Citation Index

S.No	Name of the Author/s	Title of the Paper	Name of the Journal	Month & Year of publication	No. of Citation Index	No. of H Index	Indexed in Scopus / Web of Science	Name of the Institution
1	P Chitra Devi, B Sivakumar, A Krishnamoorthy	Optimal control policy of an inventory system with postponed demand	RAIRO-Operations Research-Recherche Opérationnelle	2016	7	2	Yes	Mannar Thirumalai Naicker College, Madurai
2	V Radhamani, PC Devi, B Sivakumar	A stochastic inventory system with postponed demands and infinite pool in discrete-time setup	Journal of the Operations Research Society of China	2014/12	4	2	-	Mannar Thirumalai Naicker College, Madurai

17. Number of Conferences, Seminars, Workshops and other Programmes Organized:

S. No	Date	Name of the Programme	Role	Name of the Institution
1.	20.12.2019	National Seminar on Applied Mathematics & IPR	Convenor	Mannar Thirumalai Naicker College, Madurai
2.	22.03.2022	Seminar on “Global Trends in Mathematical Modeling and Patent Filing”	Co-Convenor	Mannar Thirumalai Naicker College, Madurai

18. Other Services Rendered in the College :

(NAAC, IQAC, Sports, Cultural Activities, Hostel, Department Association, Placement, Club, Examination, etc.,)

S. No	Name of the Activity	Period	Remarks
1.	Member of Women's Development Cell	From June 2018 to June 2023	
2.	In charge for the Add on Course "Audio & Video Production"	From June 2018 to June 2023	
3.	In charge for the Department Library	From December 2018 to till date	
4.	Member of Anti – Ragging Committee	2018-2019	
5.	Member for Science and Communication Club	2019-2020 , 2020-2021	
6	Convenor of Red Ribbon Club	From July 2023	

OTHER PARTICULARS

S.No	Stock Verification Committee	Position	Year
1.	i. Furniture/ Electrical Items ii.Rani Mangammal Hostel	Member	2018-2019
2.	Library	Member	2019-2020
3.	Videography Laboratory	Convenor	2020-2021
4.	Videography Laboratory	Convenor	2021-2022
5.	Videography Laboratory	Convenor	2022- 2023

A handwritten signature in black ink, appearing to be 'Roh' or similar, with a stylized, cursive script.

Signature of the Faculty