

Dr. PL. CHITHRA
Professor
Department of Computer Science
University of Madras,
Guindy Campus, Chennai-25



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| 1. Name | : Dr. Mrs. PL. Chithra |
| 2. Academic Qualification | : M.C.A., M.Phil., Ph.D |
| 3. Designation | : Professor |
| 4. Additional Position | : Network Director, University of Madras, Chennai-600005. |
| 5. Area of Specialization | : Digital Image Processing, 2D and 3D LiDAR Point Cloud Compression, Computer Vision, Medical Image Processing, Artificial Intelligence, Machine Learning, Deep Learning, Network Security and Block Chain Techniques. |
| 6. Years of Experience
22 Years | : Teaching - 30 Years and Research - |
| 7. Research Publications | |
| Journals | : 50 (Including SCI, Springer, Scopus and IEEE) |
| National and International Conferences | : 50 |
| Books and Chapters | : 3 Books and 5 Chapters |
| 8. Reviewer in Journals | : IET image processing, Soft Computing (Springer), International journal of Imaging Systems and Technology (Wiley), Computers and Electrical Engineering – An International Journal (Elsevier) |

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10. Institution : Department of Computer Science,
 University of Madras, Guindy Campus,
 Chennai –600 025, Tamilnadu, India.

Research Experience

S.No	Research Details	Completed	Brief Detail
1	Project	4 1	URSF (2006 – 2007) DST (2010 – 11,2014-15, 2016-17) Ongoing (RUSA 2.0) – RI&QI - Nano-Hap - in cancer diagnostics and therapy- Schema & System Design
2.	Fellowships	2	FIP Award (2007-2009), VDGOOD International Scientist Awards 2019.
3	Ph.D Guidance	8	Pursuing
4	i. M.Phil Guidance ii. Project Guided (PG)	32 139	1 Pursuing
5	Papers Published in Journals	55	SCI, Springer, Inderscience, Scopus, UGC, IEEE Explore and peer reviewed journals
6	Papers Published/Presented in Conferences	55	National/International Conferences
7	Papers Published as Chapters in Books	5	Springer, Research India Publications
8	Books Published	3	IDE,UNOM publication,
9	FDP/ Special Lecture/ Webinar/ Workshop	7	Department of Computer Science, University of

	Convened since 2015		Madras, Chennai-25
10	Refresher Course Convened Computer Application & Information Technology,	1	Batch – VIII (21 days) 09.11.2018 to 29.11.2018, UGC- HRDC, UNOM, Ch-5
11	National Conference Convened (Recent Trends in Intelligent System) 12.03.2015 & 13.3.2015	1	Department of Computer Science, University of Madras, Chennai-25
12	Chief Guest/Chair Person Since 2015	13	Various Colleges and Universities within Tamilnadu
13	Board of Studies Meeting attended Since 2015	18	Various colleges under University of Madras
14	Workshops and Seminar attended Since 2015	34	Various Colleges and Universities
15	Convener and Inspection committee member Since 2015	29	Affiliated colleges under University of Madras
16	Patent Publication	3	MHRD, India

Ph.D.Thesis

Multiresolution based image codecs for Lossy/Lossless compression,
Supervisor : Dr.P.Thangavel, University of Madras, August 2013.

Accolades

Have 100 indexed international publications including peer reviewed journals like SCI, Web of Science, ACM, Springer, Scopus and International conference papers includes IEEE Explore and Springer Nature Series, have chaired numerous sessions and conferences and been a part of many IT workshops/technical talks/panel discussions both in academics and industry.

FDP/ Special Lecture/ Webinar/ Workshop Convener

S.No	Date	Details
1	30.01.2015	Conducted a one day Seminar on “Advanced Computing” organized by Department of Computer Science, University of Madras, Chennai.
2	11.03.2019	DST-PURSE sponsored one day seminar on “Recent Trends in Advanced Computer Techniques and Models” organized by the Department of Computer Science, University of Madras,

		Chennai-25.
3	18.02.2019	A special Lecture on” Recent Trends in Signal Processing ad Machine Learning” organized by the Department of Computer Science, University of Madras, Chennai-25.
4	21.01.2020	A special Lecture on” Promotion of Innovation and Entrepreneurship” organized by the Department of Computer Science, University of Madras, Chennai-600 025.
5	06.03.2020	A Special Lecture on “Cyber Security” organized by the Department of Computer Science, University of Madras, Chennai-600 025.
6	03.10.2020	Hands on practice webinar (Series 6) on “Natural Language Processing under Machine Learning Technique” organized by UGC-HRDC, University of Madras, Chennai-600 005.
7	04.10.2020	Hands on practice webinar (Series 6) on “Image Processing using python with Computer Vision” organized by UGC-HRDC, University of Madras, Chennai-600 005.

Achievements

- UGC FIP award in the year of 2007-2009
- University 4th Rank in MCA during 1990 at Alagappa University, Karaikudi.
- Board of Studies member at Stella Maris College, Women’s Christian College, Loyola College, Ethiraj College for Women, Alagappa University, K.L.N. College of Engineering Pottapalayam – Anna University, Madurai, Bharathidasan University, Trichy, IDE – University of Madras of UG and PG Computer Science since 2018.
- Best paper Award titled on “Performance Analysis of Windowing Techniques in Automatic Speech Signal Segmentation in National Conference on Recent Trends in Intelligent Systems (RTIS’15)
- Felicitation award obtained at Ethiraj College for Women for 8 years valuable service rendered between 1992 and 2000 in 2015
- Coordinator for conducting UGC NET, SLET coaching for SC /ST and OBC students in Dec - 2014 & Dec – 2015
- Convener - National Conference on Recent Trends in Intelligent Systems (RTIS’15) held on March 12 – 13, 2015.
- Coordinator - “Refresher Course in Computer Application & Information Technology, Batch –VIII”
- Coordinator for IDE MCA & M.Sc I.T course in Madras University for 3000 PG students PCP classes conducted during 2001 – 2004
- Moulding the post graduate students young minds to become a good citizenship in India
- Guiding in-house real time projects for M.Sc and MCA students in internship mini and major project to facilitate them to get employability.
- VDGOD International Scientist Awards - VDISA 2019

- Coordinator for the special Lecture on "Promotion of Innovation and Entrepreneurship" organized by the Department of Computer Science, University of Madras, Chennai-25.

Characteristics

Passion in Teaching, loves to talk to academic community, believes in knowledge dissemination

Interests

Reading, Gardening, Cooking, Happy to collaborate with academic research projects in my area of interest.

Favourite quotes

- **Arise, awake, and stop not till the goal is reached by Swami Vivekananda**
- **Learning gives Creativity, Creativity leads to Thinking, Thinking provides Knowledge, Knowledge makes you Great by Dr.A.P.J. Abdul Kalam**

Date:18/08/2021

Place: Chennai- 25.

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